

# REMEDIAL INVESTIGATION REPORT

June 14, 2013

***Submitted for:***

Phase I at Compass Residences  
1512 Boone Avenue  
Bronx, NY 10460

Block 3013, Lots 12, 29, 31, 35, 37 & 46

***Submitted to:***

New York City Office of Environmental Remediation  
100 Gold Street, 2<sup>nd</sup> Floor  
New York, NY 10038

***Prepared for:***

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***IE Project Number:***

5197-01-03-3001



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JUNE 14, 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, Kevin Kleaka, 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 Compass Residences Site located at 1512 Boone Avenue, Bronx NY. 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.

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Qualified Environmental Professional	Date	Signature
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## 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

1512 Boone Avenue in the Crotona Park East neighborhood of Bronx, New York and is identified as Block 3013 and Lots 12, 29, 31, 35, 37, and 46 on the New York City Tax Map. Figure 1 shows the Site location. The Site is 37,833-square feet and is bound by East 172nd Street to the north, a New York City public high school (1021 Boone Avenue) to the south, West Farms Road to the east, and Boone Avenue to the west. A map of the site boundary is depicted in Figure 2. Currently, the Site is unoccupied and contains one (1) single-story former auto repair shop with a parking lot, one (1) two-story masonry steel manufacturing building, and two (2) residential dwellings. The surface area of the Sites consists of asphalt parking areas, concrete walkways, exposed soils, exposed bedrock, and natural vegetation.

### Summary of Proposed Redevelopment Plan

The proposed future use of the Site will consist of mixed-use residential and commercial retail. A nine-story building and an adjacent fifteen-story building, which together form over 250,000 square feet of residential space (237 apartment units) and 4,700 square feet of retail space will be constructed. One level of partial sub-grade parking is proposed. In addition to parking, the basement levels will also include building utilities and bicycle storage. Two grade-level open spaces are proposed for the site; a landscaped 8,000 square foot mid-block open area and a landscaped 7,800 square foot resident courtyard between the two proposed buildings. The proposed buildings, including landscaped courtyard will be built out to the northern, eastern and western property lines of the site. The building footprint will be set back 60'-7" from the southern property line on Boone Avenue and 60'-11" from the southern property line on West Farms Road. The set-back area will contain the landscaped mid-block open area.

Existing grade at the western boundary of the site on Boone Avenue is higher than existing grade at the eastern boundary of the site on West Farms Road; therefore, the bottom of excavation will be approximately 18.5 feet below grade at the western boundary and approximately 5.5 feet below grade at the eastern boundary. The groundwater table is located approximately 11 feet below grade at the western portion of the site and approximately 3 feet below grade at the eastern portion of the site;

therefore, soil excavation is expected below the groundwater table. Demolition of all existing structures including removal of sub-grade utilities and drainage structures is proposed prior to redevelopment.

Layout of the proposed site development is presented in **Appendix A**. As per the New York City Department of Planning, the site is currently zoned M1-1. However, the Site is located within the Crotona Park East/West Farms Rezoning Resolution which has been rezoned it as R7A and R8-X with a C2-4 overlay therefore, the proposed use is consistent with existing rezoning for the property.

### **Areas of Concern**

The AOCs identified for this site include:

1. Historical usage of property with auto junk yard and auto body shop since 1977 and a filling station.
2. Closed spill #0300164 associated with this property.
3. Historical site usage as a steel manufacturing plant/ iron works.
4. Presence of historic fill ranging from 0 to 6 feet below grade, which was primarily comprised of concrete, brick, stone, gravel, wood, and trace coal and slag in a brown silty sand matrix.

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

Impact Environmental Closures, Inc. (Impact Environmental) on behalf of Allied West Farms (NY), LLC. performed the following scope of work:

1. Conducted a Site inspection to identify AOCs and physical obstructions (i.e. structures, buildings, etc.);
2. Installed 9 soil borings across the entire project Site, and collected 15 soil samples for chemical analysis from the soil borings to evaluate soil quality;
3. Installed 4 groundwater monitoring wells throughout the Site, and collected 4 groundwater samples for chemical analysis to evaluate groundwater quality;
4. Installed 5 soil vapor probes throughout the site, and collected 5 samples for chemical analysis.
5. Prepared RIR based on investigation results.

## Summary of Environmental Findings

1. Elevation of the property ranges from 17 to 45 feet.
2. Depth to groundwater ranges from 2.5 to 11.5 feet at the Site.
3. Groundwater flow is generally from west to east beneath the Site.
4. Depth to bedrock is ranges throughout the site from approximately 3 feet to 14 feet at the Site. There is also an approximate 20 foot high bedrock outcrop in the southeast portion of the site.
5. Subsurface soil at the Site consisted of historic fill, which was primarily comprised of concrete, brick, stone, gravel, wood, and trace coal and slag in a brown silty sand matrix. Existing grade elevations vary greatly throughout the site due to shallow depth of bedrock outcrops. Historic fill was encountered at a depth interval ranging from 0 to 2 feet below grade surface (bgs) at borings SB-1, SB-7 and SB-8, 0 to 4 feet bgs at borings SB-2, SB-3, SB-5 and SB-6, 0 to 8 feet bgs at boring SB-4, 0 to 3 feet bgs at boring SB-9. Native material consisted of light brown medium-coarse sand and silty sand with decomposed rock fragments. Native material was encountered at a depth of 5 feet bgs at borings SB-2, SB-3, SB-5 and SB-6, 9 feet bgs at boring SB-4, 4 feet bgs at boring SB-9. Decomposed rock and bedrock was encountered at 3 feet bgs at borings SB-1, SB-7 and SB-8, 14 feet bgs at boring SB-2, 5 feet bgs at boring SB-3, 9 feet bgs at boring SB-4, 11 feet bgs at borings SB-5 and SB-6, 13 feet bgs at boring SB-9. A predominant rock outcrop approximately 20 feet in height is located in the south western portion of the site.
6. BTEX and other petroleum associated volatile organic compounds (VOCs) were detected at trace levels and below Track 1 SCOs in 8 of 15 soil samples. The only VOC exceedence of Track 1 Unrestricted Use SCOs was acetone at 130 ppb in one soil sample. Several SVOC including benzo(a)anthracene (40 ppm), benzo(a)pyrene (39 ppm), benzo(b)fluoranthene (46 ppm), benzo-(k)fluoranthene (22 ppm), chrysene (37 ppm), dibenzo(a,h)anthracene (5.8 ppm), and indeno(1,2,3-cd)pyrene (20 ppm) were detected above Track 2 Restricted Residential SCOs within one shallow soil sample (SB9). SVOCs were not detected above Track 1 Unrestricted Use SCOs in any other samples. Four pesticides including 4,4'-DDD (max. of 27 ppb); 4,4'-DDE (max. of 17 ppb); 4,4'-DDT (max. of 227 ppb) and dieldrin (max. of 5.5 ppb) were detected above Track 1 Unrestricted Use SCOs. Polychlorinated biphenyls (PCBs) were detected above Track 1 Unrestricted Use SCOs in one shallow soil sample (109 ppb). Several metals including arsenic (max. of 48 ppm), barium (max. of 560 ppm), lead (max. of 3,000 ppm), and mercury (max. of 0.85 ppm), were detected above Track 2 Restricted Residential Use SCOs in shallow soil samples.

In addition, chromium (trivalent), copper, nickel, silver, and zinc were detected above Track 1 Unrestricted Use SCOs, but below Track 2 Restricted Residential Use SCOs in 8 shallow and 2 deep soil samples. Overall, the results were consistent with observations of historic fill material at Sites throughout NYC, with the exception of shallow soil sample SB-9 which showed the highest concentrations of metals and SVOCs and will be treated as a hotspot.

7. Laboratory analysis of groundwater samples collected during the RI did not detect PCBs in any groundwater sample, and no pesticides, metals, or SVOCs were detected above GQSS. Five VOCs including 1,2,4-trimethylbenzene (17 ug/L), benzene (2.1 ug/L), ethylbenzene (6.8 ug/L), methylene chloride (40 ug/L) and vinyl chloride (3.7 ug/L) were detected exceeding their respective GQSS. The chlorinated VOCs PCE, TCE, and cis-1,2-dichloroethene, as well as petroleum-related VOCs, and acetone were also detected in groundwater at trace-to-low levels below Groundwater Quality Standards (GQSS). Petroleum-related VOCs were detected in the area of the historic petroleum spill and gas station operations, however separate phase product was not detected in any of the monitoring wells.
8. Laboratory analysis of soil vapor samples indicated low level detections of several petroleum-related and chlorinated VOCs in all soil vapor samples. Concentrations of all compounds were below 20 ug/m<sup>3</sup> except, one detection of trichlorofluoromethane at a concentration of 618,000 ug/m<sup>3</sup>. TCA, TCE and carbon tetrachloride were not detected in any of the soil vapor samples; and, PCE was detected at low concentrations (maximum of 12.5 ug/m<sup>3</sup>).

# REMEDIAL INVESTIGATION REPORT

## 1.0 SITE BACKGROUND

This Remedial Investigation Report (RIR) has been developed on behalf of Allied West Farms (NY), LLC. (the owner) to investigate and remediate an 37,833-square foot (0.87-acre) site located at 1512 Boone Avenue in the Crotona Park East neighborhood of Bronx, New York (the Site). Residential use is proposed for the property. The RI work was performed between February 13, 2013 and March 10, 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 RCNYS 43-1407(f).

### 1.1 Site Location and Current Usage

1512 Boone Avenue is in the Crotona Park East neighborhood of Bronx, New York and is identified as Block 3013 and Lots 12, 29, 31, 35 37, and 46 on the New York City Tax Map. **Figure 1** shows the Site location. The Site is 37,833-square feet and is bound by East 172<sup>nd</sup> Street to the north, a New York City public high school (1021 Boone Avenue) to the south, West Farms Road to the east, and Boone Avenue to the west. A map of the site boundary is depicted in **Figure 2**. Currently, the Site is unoccupied and contains one (1) single-story former auto repair shop with a parking lot, one (1) two-story masonry steel manufacturing building, and two (2) residential dwellings. The surface area of the Sites consists of asphalt parking areas, concrete walkways, exposed soils, exposed bedrock, and natural vegetation.

### 1.2 Proposed Redevelopment Plan

The proposed future use of the Site will consist of mixed-use residential and commercial retail. A nine-story building and an adjacent fifteen-story building, which together form over 250,000 square feet of residential space (237 apartment units) and 4,700 square feet of retail space will be constructed. One level of partial sub-grade parking is proposed. In addition to parking, the basement levels will also include building utilities and bicycle storage. Two grade-level open spaces are proposed for the site; a landscaped 8,000 square foot mid-block open area and a landscaped 7,800 square foot resident courtyard between the two proposed buildings. The proposed buildings, including landscaped courtyard will be built out to the northern, eastern and western property lines of the site. The building footprint

will be set back 60'-7" from the southern property line on Boone Avenue and 60'-11" from the southern property line on West Farms Road. The set-back area will contain the landscaped mid-block open area.

Existing grade at the western boundary of the site on Boone Avenue is higher than existing grade at the eastern boundary of the site on West Farms Road; therefore, the bottom of excavation will be approximately 18.5 feet below grade at the western boundary and approximately 5.5 feet below grade at the eastern boundary. The groundwater table is located approximately 11 feet below grade at the western portion of the site and approximately 3 feet below grade at the eastern portion of the site; therefore, soil excavation is expected below the groundwater table. Demolition of all existing structures including removal of sub-grade utilities and drainage structures is proposed prior to redevelopment.

Layout of the proposed site development is presented in **Appendix A**. As per the New York City Department of Planning, the site is currently zoned M1-1. However, the Site is located within the Crotona Park East/West Farms Rezoning Resolution which has been rezoned it as R7A and R8-X with a C2-4 overlay therefore, the proposed use is consistent with existing rezoning for the property.

### 1.3 Description of Surrounding Property

The site is located in the Crotona Park East neighborhood of the South Bronx. Crotona Park East is bound from the Cross Bronx Expressway to the north, Bronx River to the east, East 167<sup>th</sup> Street to the south and Crotona-Prospect Avenue to the west. Historically, Crotona Park East consisted of tenement buildings, multi-unit homes, vacant lots, and public housing units. The Crotona Park East / West Farms Rezoning Resolution was issued in 2011 to encourage the transformation and revitalization of the derelict and underutilized area through redevelopment of residential and commercial retail properties. A description of each of the adjoining properties is described in the table below.

Direction	Property Description
<p><b>North Opposite Side of East 172<sup>nd</sup> Street</b></p>	<p><u>Block 3014 Lot 9</u> (1544 Boone Avenue) – A 41,700-SF lot that fronts Boone Avenue and 172<sup>nd</sup> Street. The lot is currently undeveloped with a mobile office trailer and serves as a vehicle impound lot. The lot is currently zoned R8-X, R7-A with a C2-4 commercial overlay.</p>
<p><b>South Adjacent Property</b></p>	<p><u>Block 3013 Lot 1</u> (1021 Boone Avenue) – A 39,000-SF lot that fronts Boone Avenue, West Farms Road and Jennings Street. The lot is currently developed with three (3) three story buildings which serve as a New York City Public High School (Fannie Lou Hamer Freedom</p>

	High School). The lot is currently zoned R8-X, R7-A with a C2-4 commercial overlay.
<b>East Opposite Side of West Farms Road</b>	<u>Interstate 895</u> (Sheridan Expressway) – A six lane highway merging from Interstate 278 (Bruckner Expressway) from the south and runs northward, paralleling the Bronx River and the Amtrak-owned Northeast Corridor railroad tracks and ends at an interchange with Interstate 95 (Cross Bronx Expressway).
<b>West Opposite Side of Boone Avenue</b>	<u>Block 3008 Lot 30</u> (1495 Boone Avenue) – A 19,000-SF lot without buildings developed as a parking lot for the New York City Board of Education employees. The lot is currently zoned R7-1.  <u>Block 3008 Lot 29</u> (1016 East 172 <sup>nd</sup> Street) – A 2,500-SF lot developed with a two story residential one family building. The lot is currently zoned R7-1.

Two schools are located within a 250-ft radius of the Site; Fannie Lou Hamer Freedom High School located at 1021 Jennings Street and PS-066 located at 1001 Jennings Street. One school is located within a 500-ft radius of the Site; PS-811 located at 1434 Longfellow Avenue. There are no hospitals or daycare centers located within a 500-ft radius of the Site. **Figure 3** shows the surrounding land usage.

## 2.0 SITE HISTORY

### 2.1 Past Uses and Ownership

A Phase I Environmental Site Assessment prepared in 2007 by Impact Environmental revealed through investigation of historic Sanborn maps that the Site has been developed as early as 1896 with several residential buildings and a mill yard. Commercial and industrial use buildings began to appear on the site as early as 1951 including auto repair shops, auto junk yard with filling stations and iron work shops. A summary of the investigated Sanborn maps is described in the table below.

Date	Description	Sources
1896	The Sites appears to maintain six or more structures.	Sanborn Map
1901	The Sites maintain 3 single-story structure, 4 two-story structure, 1 three-story structure along with a molding mill.	Sanborn Map
1915	The Sites appear to maintain 2 single-story dwellings, 2 two-story dwellings, 1 three-story dwellings, a lumber shed, and a planning mill.	Sanborn Map
1951	The Sites appear to maintain 2 single-story dwelling, 1 two-story dwelling, 1 three-story dwelling, 3 private auto garages, a stage, and an iron works building.	Sanborn Map
1977	The Sites maintain an auto junk yard with filling station, an auto repair shop, 1 single-story dwelling, 1 two-story dwelling, 1 three-story dwelling, 1 private auto garage, 2 iron work buildings, and 1 manufacturing building.	Sanborn Map
1989	The Sites maintain an auto junk yard with filling station, two auto repair shops, 1 single-story dwelling, 1 two-story dwelling, 1 three-story dwelling, 1 private auto garage, 2 iron work buildings, an unknown single-story building, and 1 manufacturing building.	Sanborn Map

## **2.2 Previous Investigations & Reports**

### *2.2.1 UST Closure Report (2003)*

Based on the NYSDEC's Spill Report, Tyree Environmental prepared a UST Closure Report in May 2003 stating that six 550-gallon gasoline USTs were removed in March 2003. A copy of the original UST Closure Report is not currently available. Groundwater was not encountered during the excavation, and bedrock was encountered at eight feet below grade. The USTs were in a vault constructed by pouring concrete directly onto the bedrock. Endpoint samples were collected from sidewalls and not collected from bottom due to bedrock. Soil analyticals showed up to 3380 ppb toluene, 70,900 ppb xylene, and 24,000 ppb naphthalene on the south wall. Tyree subsequently returned to the site to perform additional soil removal under the former pump island area and removed 50 tons of soil. Seven endpoint samples were<sup>4</sup> collected, and showed two exceedances at 3050 ppb xylene and 3320 ppb 1,3,5-trimethylbenzene on the west wall. The spill (03-00164) was closed on September 8, 2003.

### *2.2.2 Phase I Environmental Site Assessment (2007)*

A Phase I ESA was completed by Impact Environmental on January 25, 2007. The Phase I ESA identified recognized environmental conditions (RECs). Accordingly, additional activities were recommended to define and enhance the environmental quality of the Site. These additional activities were based on the following RECs:

- Review of historical Sanborn maps revealed that the Site (1471 West Farms Road) was an auto junk yard and then had been utilized as a gasoline filling station/auto body since 1977 with a closed spill (#0300164) in 2003. The Site was an active auto body that is a RCRA hazardous waste generator and transporter. The surfaces of the associated plumbing fixtures were inspected for observable indications of chemical staining that would be indicative of the disposition of chemical substances via the bathroom plumbing. The fixture surfaces in the bathrooms did exhibit signs of chemical staining. The former land uses of the Site, the spill, and conditions of the poor housekeeping practices have created the potential for organic and inorganic contaminants. In addition, the lack of documentation available for review regarding the previous filling station and possible installation of second generation gasoline underground storage tanks also represent recognized environmental condition. Accordingly, a ground penetrating radar survey was recommended to locate any former underground structures (i.e. USTs, drywells, cesspools) associated with the former on-site operations. Further, a limited subsurface

investigation was recommended to determine if the environmental quality of the Site has been adversely impacted by former on-site activities.

- Review of historical Sanborn maps revealed that the Site (1501 West Farms Road a/k/a 1508 Boone Avenue) was auto body in 1989 and a manufacturing plant/ iron works since 1977. The Site was a steel manufacturer. The ground surfaces of the Site were observed and inspected for indications of chemical staining. The surfaces did exhibit signs of chemical staining. The northeastern driveway of the Site contained two drains in the location of the former auto body shop. The Site also exhibited heavy chemical storage (several five-gallon drums) and poor housekeeping practices. The former land uses of the Site and conditions of the poor housekeeping practices have created the potential for organic and inorganic contaminants. Accordingly, a limited subsurface investigation was recommended to determine if the environmental quality of the Site has been adversely impacted by former on-site activities.

### 2.2.3 Phase II Environmental Site Assessment (2007)

A Phase II ESA was completed by Impact Environmental in February 2007. A review of the analytical data from these samples revealed contaminants were detected at levels warranting additional activities. The analysis identified the following:

- On January 18, 2007, Impact Environmental installed a total of fifteen (15) soil probes on the Sites. The headspace analysis of the samples secured from said probes failed to detect any concentrations of hydrocarbons above ambient levels, except for SP-6. Additional sample characterization of SP-6 revealed petrochemical odors and staining within the representative sample. One sample was collected from each soil probe for certified laboratory analysis.
- The laboratory analysis performed on the subsurface soil samples secured from probes SP-6, SP-7, SP-8, SP-9 and SP-10 detected concentrations of several target volatile organic analytes. The analysis of the soil sample collected from SP-6 detected concentrations of several target volatile organic analytes above the NYSDEC Technical and Administrative Guidance Memorandum (TAGM) #4046, Recommended Soil Cleanup Objectives.
- The laboratory analysis performed on the subsurface soil samples secured from probes SP-3, SP-6, SP-8, SP-11 and SP-14 detected concentrations of several target semi-volatile organic analytes. The analysis of the soil samples collected from SP-3 and SP-8 detected concentrations of several semi-target volatile organic analytes above the NYSDEC TAGM #4046, Recommended Soil Cleanup Objectives.

- The laboratory analysis performed on the subsurface soil samples secured from probes SP-1, SP-2, SP-3, SP-11, SP-12, SP-13, SP-14, and SP-15 detected several concentrations of heavy metals above the NYSDEC TAGM #4046, Recommended Soil Cleanup Objectives.

### **2.3 Site Inspection**

Mr. Benjamin Hernandez Salazar of Impact Environmental performed a Site Inspection on January 15, 2013. The reconnaissance included a visual inspection of the Site, the interior of the Site's buildings, the adjacent sidewalks along West Farms Road, East 172nd Street and Boone Avenue and the exterior of adjacent properties. At the time of the inspection, the Site consisted of a one-story 1,200-square foot masonry building being utilized as an auto repair shop with a parking area, two two-story vacant residential buildings, one three-story vacant residential building, a vacant former iron works shop with a sub-grade workshop and an outdoor storage/laydown area on the roof deck above and a vacant former auto repair shop on Boone Avenue.

Inspection of the interior of the active auto repair shop exhibited signs of chemical staining in the work area and three above-grade hydraulic vehicle lifts. The three vacant residential buildings were in dilapidated condition with evidence of advanced water damage. The sub-grade area of the former iron works building was inundated with approximately 1 foot of water and the exterior upper deck area was being utilized as additional parking space for the neighboring vehicle impound yard. Inspection of the interior of the vacant former auto repair shop on Boone Avenue exhibited signs of chemical staining on the floor surface.

### **2.4 Areas of Concern**

The AOCs identified for this site include:

1. Historical usage of property with auto junk yard, auto body shop since 1977 and a filling station.
2. Closed spill #0300164 associated with this property.
3. Historical site usage as a steel manufacturing plant/ iron works.
4. Presence of historic fill ranging from 0 to 6 feet below grade, which was primarily comprised of concrete, brick, stone, gravel, wood, and trace coal and slag in a brown silty sand matrix.

## **3.0 PROJECT MANAGEMENT**

### **3.1 Project Organization**

The Qualified Environmental Profession (QEP) responsible for preparation of this RIR is Kevin Kleaka.

### **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**

Impact Environmental Closures, Inc. (Impact Environmental) on behalf of Allied West Farms (NY), LLC. performed the following scope of work:

1. Conducted a Site inspection to identify AOCs and physical obstructions (i.e. structures, buildings, etc.);
2. Installed 9 soil borings across the entire project Site, and collected 15 soil samples for chemical analysis from the soil borings to evaluate soil quality;
3. Installed 4 groundwater monitoring wells throughout the Site, and collected 4 groundwater samples for chemical analysis to evaluate groundwater quality;
4. Installed 5 soil vapor probes throughout the site, and collected 5 samples for chemical analysis.
5. Prepared RIR based on investigation results.

### **4.1 Geophysical Investigation**

A geophysical investigation was not performed as a part of this assessment. However, a Ground Penetrating Radar (GPR) survey was conducted on the Site by Impact Environmental in February 2007 as part of the Phase II Limited Subsurface Investigation. The survey did not identify the presence of anomalies expected to be associated with current or previous USTs.

### **4.2 Borings and Monitoring Wells**

#### **Drilling and Soil Logging**

A total of nine (9) soil borings (SB-1 through SB-9) were installed from February 12, 2013 through March 19, 2013 by Impact Environmental in the approximate locations depicted in Figure 5. The nine soil boring locations were chosen to establish the contaminant extent and concentration throughout the site. Due to shallow depth of bedrock and varying elevations on the site soil borings were advanced to depths ranging from 2 feet below grade surface to 14 feet below grade surface.

For each of the eight soil borings, soil samples were collected continuously from grade to their respective final depth below existing grade using a five-foot steel macro-core sampler, split spoon sampler with acetate liners and 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. A PID makes use of the principle of photoionization for the detection and

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

Headspace analyses were conducted on each soil sample by partially filling a zip-loc bag and sealing it, thereby creating a void. This void is referred to as the sample headspace. To facilitate the detection of any hydrocarbons contained within the headspace, the container was agitated for a period of 30 seconds. The probe of the PID was placed within the headspace to measure the organic vapors present. Elevated PID readings (as high as 165 ppm) and visually stained soil that exhibited a petroleum odor was noted at a depth ranging from 13 to 14 feet below grade adjacent to the residential buildings on West Farms Road (SB-2). Stained soils were also observed in soil boring SB-9 at a depth ranging from 0 to 2 feet below grade, PID screening did not detect any levels of VOCs.

From each soil boring, one soil grab sample was retained representing the interval 0 to 2 feet below grade and one soil grab sample was retained representing the bottom two foot interval, which varied at each borehole.

Subsurface soil at the Site consisted of historic fill, which was primarily comprised of concrete, brick, stone, gravel, wood, and trace coal and slag in a brown silty sand matrix. Historic fill was encountered at a depth interval ranging from 0 to 2 feet below grade surface (bgs) at borings SB-1, SB-7 and SB-8, 0 to 4 feet bgs at borings SB-2, SB-3, SB-5 and SB-6, 0 to 8 feet bgs at boring SB-4, 0 to 3 feet bgs at boring SB-9. Native material consisted of light brown medium-coarse sand and silty sand with decomposed rock fragments. Native material was encountered at a depth of 5 feet bgs at borings SB-2, SB-3, SB-5 and SB-6, 9 feet bgs at boring SB-4, 4 feet bgs at boring SB-9. Decomposed rock and bedrock was encountered at 3 feet bgs at borings SB-1, SB-7 and SB-8, 14 feet bgs at boring SB-2, 5 feet bgs at boring SB-3, 9 feet bgs at boring SB-4, 11 feet bgs at borings SB-5 and SB-6, 13 feet bgs at boring SB-9.

Soil borings SB-1, SB-2, SB-3 and SB-4 were developed into groundwater monitoring wells MW-1, MW-2, MW-3 and MW-4 respectively. Groundwater was encountered at 2.5 feet bgs at MW-1, 9.5 feet bgs at MW-2, 4.5 feet bgs at MW-3 and 11.5 feet bgs at MW-4.

Boring logs were prepared by a QEP and are attached in Appendix C. A map depicting the location of soil borings and monitor wells is shown in Figure 5.

### **Groundwater Monitoring Well Construction**

Four permanent groundwater monitoring wells were installed by inserting 2-inch diameter, 10-foot PVC 0.010 well screen interval and riser into an open borehole. The annulus around the well screen was filled with clean, appropriately sized silica sand and a bentonite plug was installed around the riser at grade. Each well was then developed to ensure proper functioning. Monitor well locations are shown in **Figure 5**.

### **Soil Vapor Boring Construction**

Six (6) soil vapor probes designated SV-1, SV-2, SV-3, SV-4, SV-5 and SV-6 were installed on March 19, 2013. Soil vapor probe SV-1 was unable to be installed due to groundwater encountered directly below the concrete slab. Soil vapor probes SV-3, SV-5 and SV-6 were installed at a depth of 5 feet below grade. Due to shallow groundwater depths soil vapor probe SV-2 was installed at 2 feet below grade and SV-4 was installed at 4 feet below grade. The soil vapor probes were installed utilizing similar technology as the soil probes in accordance with the NYSDOH Guidance of Evaluating Soil Vapor Intrusion, dated October 2006. Each soil vapor sampling point consisted of a stainless steel screen and was fitted with dedicated ¼ inch diameter polyethylene tubing. The soil vapor probe was installed in the subsurface soil. Washed #1 crushed stone was poured into each hole to fully encompass the screen implant, and each hole was sealed with bentonite and dry-lock non-VOC quick set cement. After installation of the probes, one to three volumes were purged prior to collecting the samples. Five (5) soil vapor samples were collected for chemical analysis during this RI. A map depicting the locations of soil vapor probes is presented in **Figure 5**.

### **Survey**

Soil borings, monitoring wells and soil vapor probes were located to the nearest 0.10 foot with respect to two or more permanent site features using a measuring wheel.

### **Water Level Measurement**

Groundwater level measurements were collected using a Solinst oil/water interface meter. Groundwater depths were measured from the top of PVC riser. Product was not detected in any of the four groundwater monitoring wells. Water level data is included in **Table 4**.

## **4.3 Sample Collection and Chemical Analysis**

Sampling performed as part of the field investigation was conducted at each Area of Concern (AOCs) and was also biased to other areas based on professional judgment, area history, discolored soil, stressed

vegetation, drainage patterns, field instrument measurements, odor, or other field indicators. 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**

Nine (9) soil borings (SB-1 through SB-9) were installed and fifteen (15) soil samples were collected for chemical analysis during the remedial investigation. One (1) shallow (0-2 ft bgs) and one (1) deeper (depth varies at each borehole due to shallow depth of bedrock) soil samples from six soil probes and one sample from other three soil borings were collected utilizing a 5-foot long Macro Core sampler and split spoon sampler fitted with dedicated acetate liners. Data on soil sample collection for chemical analyses, including dates of collection and sample depths, is reported in **Table 1**. **Figure 5** shows the location of samples collected in this investigation. Laboratories and analytical methods are shown below.

Each of the 15 soil samples were collected in pre-cleaned, laboratory supplied glassware, appropriately labeled, stored in a cooler with ice and submitted for analysis under proper chain of custody procedures to Alpha Analytical Laboratories (Alpha) of Westborough, MA, a New York State ELAP certified environmental laboratory (ELAP Certification No. 11148). Soil samples were analyzed for the presence of VOCs by EPA Method 8260, semi-volatile organic compounds (SVOCs-BN) by EPA Method 8270, pesticides/PCBs by EPA Methods 8081/8082 and target analyte list (TAL) metals by EPA Method 6010.

Each piece of sampling or other down hole equipment was decontaminated by wiping clean, washing with Alconox solution, rinsing with deionized water and air drying prior to each use in order to ensure that cross-contamination between sampling locations did not occur. Decontamination procedures were performed in an area segregated from any sampling areas.

### **Groundwater Sampling**

One (1) groundwater sample was collected from each of the four (4) monitoring wells (MW-1, MW-2, MW-3, and MW-4) for chemical analysis during this RI. Groundwater sampling well locations are depicted in **Figure 5**. Each monitoring well was purged of 3 to 5 well volumes of groundwater. The water was allowed to recharge to the original level and a groundwater sample was then collected from each of the selected existing wells utilizing dedicated polyethylene tubing and a low-flow peristaltic pump for

SVOCs, pesticides/PCBs and TAL metals samples and dedicated bailers for VOCs samples. Laboratories and analytical methods are shown below.

Groundwater samples were placed into the following laboratory supplied glassware: 3 clean HCL preserved 40 milliliter (mL) vials, 2 clean nitric acid preserved 500 mL plastic container, and 6 clean unpreserved 1,000 mL jars. Sample glassware was appropriately labeled, stored in a cooler with ice and submitted for analysis under proper chain of custody procedures to Alpha Analytical Laboratories for analysis of VOCs by EPA Method 8260, SVOCs by EPA Method 8270, pesticides/PCBs by EPA Methods 8081/8082 and total TAL metals (filtered and unfiltered). Groundwater sample collection data is reported in **Table 2**. Sampling logs with information on purging and sampling of groundwater monitor wells are included in **Appendix D**.

### **Soil Vapor Sampling**

Soil vapor sampling was performed on March 19 and March 20, 2013. Each of the five (5) sampling locations (VP-2 through VP-6) were first tested using a tracer gas (helium) for follow-up quality assurance/quality control verification of the integrity of the sampling point seal, in accordance with NYS DOH Final Guidance on Soil Vapor Intrusion (October 2006). As suggested in the NYS DOH Final Guidance on Soil Vapor Intrusion Figure 2.4(b), the soil vapor point was enclosed with a fabricated can equipped with two valves. The ¼ inch diameter soil probe polyethylene tubing was connected to the interior can valve, which was connected to a 6-liter Summa® canister. The enclosure can was secured and sealed to the concrete ground surface with modeling clay and the helium tracer gas was introduced into the enclosure can through the second valve.

Following verification that the surface seal was tight, one to three volumes (i.e., the volume of the sample probe) of air was purged from the implant using a vacuum pump. After purging, a laboratory supplied pre-cleaned 6-liter Summa® canister, fitted with a 2-hour flow regulator, was attached to the surface tube of each of the six soil 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 field log. 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 log 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, on a sample log sheet, and the laboratory chain of custody (**Appendix E**). Samples were submitted to Alpha Analytical for laboratory analysis of VOCs EPA Method TO-15 and Helium gas detection. Soil vapor sampling locations are depicted in **Figure 5**. Soil vapor sample collection data is reported in **Table 3**. Methodologies used for soil vapor assessment conform to the NYS DOH Final Guidance on Soil Vapor Intrusion, October 2006.

### Chemical Analysis

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

Factor	Description
Quality Assurance Officer	The chemical analytical quality assurance is directed by Elizabeth Simmons.
Chemical Analytical Laboratory	Chemical analytical laboratory(s) used in the RI is NYS ELAP certified and were Alpha Analytical Laboratory (ELAP Certification No. 11148)
Chemical Analytical Methods	<p>Soil analytical methods:</p> <ul style="list-style-type: none"> <li>• TAL Metals by EPA Method 6010C (rev. 2007);</li> <li>• VOCs by EPA Method 8260C (rev. 2006);</li> <li>• SVOCs by EPA Method 8270D (rev. 2007);</li> <li>• Pesticides by EPA Method 8081B (rev. 2000);</li> <li>• PCBs by EPA Method 8082A (rev. 2000);</li> </ul> <p>Groundwater analytical methods:</p> <ul style="list-style-type: none"> <li>• TAL Metals by EPA Method 6010C (rev. 2007);</li> <li>• VOCs by EPA Method 8260C (rev. 2006);</li> <li>• SVOCs by EPA Method 8270D (rev. 2007);</li> <li>• Pesticides by EPA Method 8081B (rev. 2000);</li> </ul>

	<ul style="list-style-type: none"><li>• PCBs by EPA Method 8082A (rev. 2000);</li></ul> Soil vapor analytical methods: <ul style="list-style-type: none"><li>• VOCs by TO-15 VOC parameters with Helium detection.</li></ul>
--	--

### Results of Chemical Analyses

Laboratory data for soil, groundwater and soil vapor are summarized in **Table 1, Table 2, Table 3,** respectively. Laboratory data deliverables for all samples evaluated in this RIR are provided in digital form in **Appendix F.**

## 5.0 ENVIRONMENTAL EVALUATION

### 5.1 Geological and Hydrogeological Conditions

According to the surficial geologic map of New York, lower Hudson sheet (Caldwell, 1989), this area of New York is underlain by Pleistocene-glacial till, dominantly consisting of fine to coarse grain sand with interstitial lenses of gravel and silt, which are remnants of glacial deposition and exposed bedrock, usually within 1 meter of grade surface. According to the United States Department of Agriculture soil survey classification and nomenclature system, this soil would likely be referred to as urban land, because the original composition and structure of the soil has been significantly altered by urbanization and development activities.

#### Stratigraphy

Subsurface soil at the Site consisted of historic fill, which was primarily comprised of concrete, brick, stone, gravel, wood, and trace coal and slag in a brown silty sand matrix. Existing grade elevations vary greatly throughout the site due to shallow bedrock outcrops. Historic fill was encountered at a depth interval ranging from 0 to 2 feet below grade surface (bgs) at borings SB-1, SB-7 and SB-8, 0 to 4 feet bgs at borings SB-2, SB-3, SB-5 and SB-6, 0 to 8 feet bgs at boring SB-4, 0 to 3 feet bgs at boring SB-9. Native material consisted of light brown medium-coarse sand and silty sand with decomposed rock fragments. Native material was encountered at a depth of 5 feet bgs at borings SB-2, SB-3, SB-5 and SB-6, 9 feet bgs at boring SB-4, 4 feet bgs at boring SB-9. Decomposed rock and bedrock was encountered at 3 feet bgs at borings SB-1, SB-7 and SB-8, 14 feet bgs at boring SB-2, 5 feet bgs at boring SB-3, 9 feet bgs at boring SB-4, 11 feet bgs at borings SB-5 and SB-6, 13 feet bgs at boring SB-9. A predominant rock outcrop approximately 20 feet in height is located in the south western portion of the site.

#### Hydrogeology

A table of water level data for all monitor wells is included in **Table 4**. The depth to groundwater varies due to the uneven grade elevations throughout the site, depth to groundwater ranges from 2.5 feet below grade to 11.5 feet below grade. Groundwater is believed to flow from west to east towards the Bronx River.

## 5.2 Soil Chemistry

BTEX and other petroleum associated volatile organic compounds (VOCs) were detected at trace levels and below Track 1 SCOs in 8 of 15 soil samples. The only VOC exceedence of Track 1 Unrestricted Use SCOs was acetone at 130 ppb in one soil sample. Several SVOC including benzo(a)anthracene (40 ppm), benzo(a)pyrene (39 ppm), benzo(b)fluoranthene (46 ppm), benzo(k)fluoranthene (22 ppm), chrysene (37 ppm), dibenzo(a,h)anthracene (5.8 ppm), and indeno(1,2,3-cd)pyrene (20 ppm) were detected above Track 2 Restricted Residential SCOs within one shallow soil sample (SB9). SVOCs were not detected above Track 1 Unrestricted Use SCOs in any other samples. Four pesticides including 4,4'-DDD (max. of 27 ppb); 4,4'-DDE (max. of 17 ppb); 4,4'-DDT (max. of 227 ppb) and dieldrin (max. of 5.5 ppb) were detected above Track 1 Unrestricted Use SCOs. Polychlorinated biphenyls (PCBs) were detected above Track 1 Unrestricted Use SCOs in one shallow soil sample (109 ppb). Several metals including arsenic (max. of 48 ppm), barium (max. of 560 ppm), lead (max. of 3,000 ppm), and mercury (max. of 0.85 ppm), were detected above Track 2 Restricted Residential Use SCOs in shallow soil samples. In addition, chromium (trivalent), copper, nickel, silver, and zinc were detected above Track 1 Unrestricted Use SCOs, but below Track 2 Restricted Residential Use SCOs in 8 shallow and 2 deep soil samples. Overall, the results were consistent with observations of historic fill material at Sites throughout NYC, with the exception of shallow soil sample SB-9 which showed the highest concentrations of metals and SVOCs and will be treated as a hotspot.

A summary table of data for chemical analyses performed on soil samples is included in Table 1. A copy of the laboratory report is provided in **Appendix F**. **Figure 6** depicts the location and posts the values for soil/fill that exceed the 6NYCRR Part 375-6.8 Track 2 Soil Cleanup Objectives.

## 5.3 Groundwater Chemistry

Laboratory analysis of groundwater samples collected during the RI did not detect PCBs in any groundwater sample, and no pesticides, metals, or SVOCs were detected above GQs. Five VOCs including 1,2,4-trimethylbenzene (17 ug/L), benzene (2.1 ug/L), ethylbenzene (6.8 ug/L), methylene chloride (40 ug/L) and vinyl chloride (3.7 ug/L) were detected exceeding their respective GQs. The chlorinated VOCs PCE, TCE, and cis-1,2-dichloroethene, as well as petroleum-related VOCs, and acetone were also detected in groundwater at trace-to-low levels below Groundwater Quality Standards (GQs). Petroleum-related VOCs were detected in the area of the historic petroleum spill and gas station operations, however separate phase product was not detected in any of the monitoring wells. A summary table of data for chemical analyses performed on groundwater samples is included in **Table 2**. Exceedences of applicable groundwater standards are shown. **Figure 7** depicts the location and posts

the values for groundwater that exceed the NYSDEC Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards (AWQS).

#### **5.4 Soil Vapor Chemistry**

Laboratory analysis of soil vapor samples indicated low level detections of several petroleum related and chlorinated VOCs in all soil vapor samples. Concentrations of all compounds were below 20 ug/m<sup>3</sup> except, one detection of trichlorofluoromethane at a concentration of 618,000 ug/m<sup>3</sup>. TCA, TCE and carbon tetrachloride were not detected in any of the soil vapor samples; and, PCE was detected at low concentrations (maximum of 12.5 ug/m<sup>3</sup>).

A summary table of data for chemical analyses performed on soil vapor samples is included in **Table 3**. **Figure 8** depicts the location and posts the values for soil vapor samples with detected concentrations.

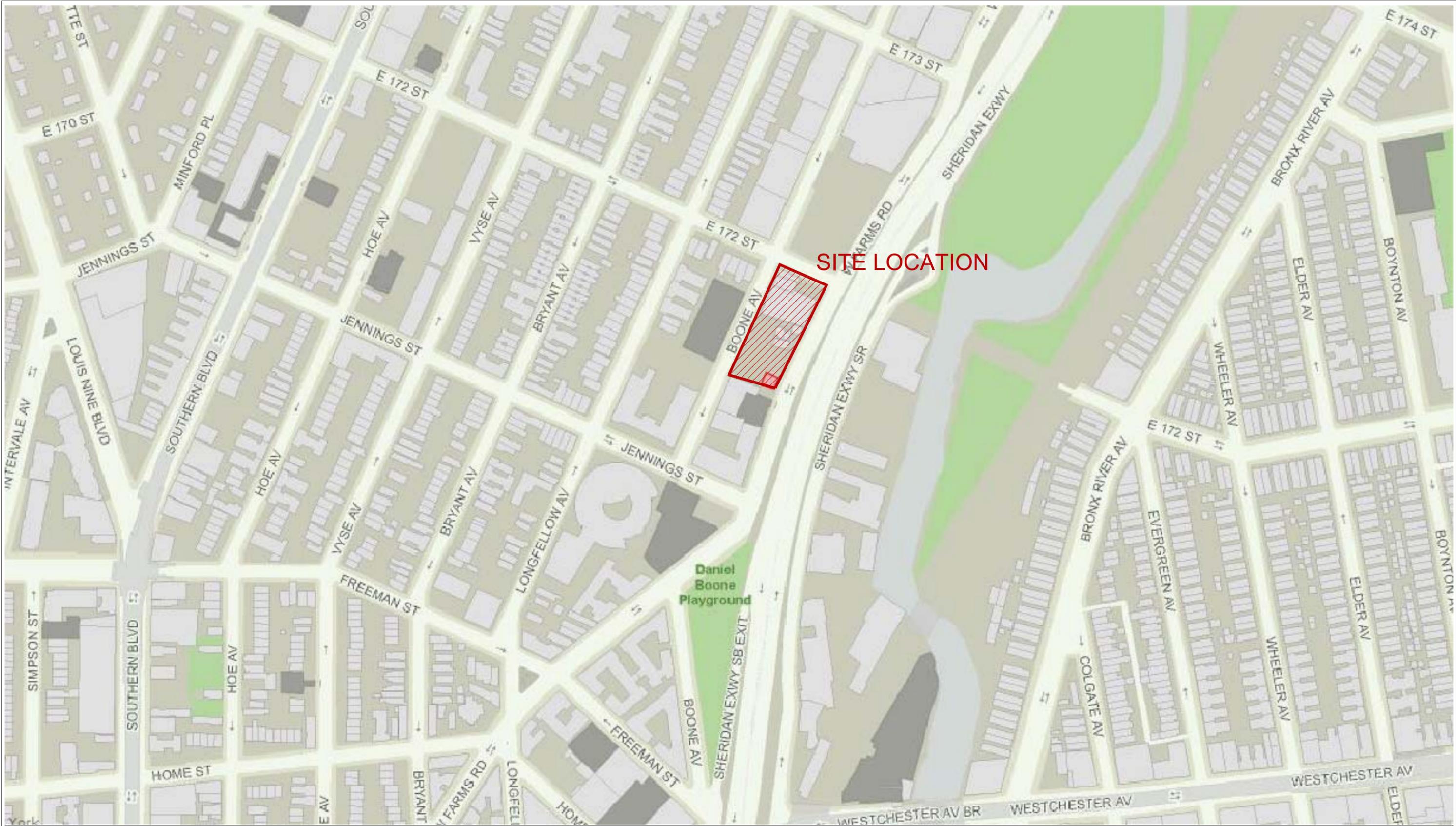
#### **5.5 Prior Activity**

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.

## FIGURES



**SITE LOCATION**



**IMPACT ENVIRONMENTAL**  
 170 KEYLAND COURT  
 BOHEMIA, NEW YORK 11716  
 TEL (631) 269-8800 FAX (631) 269-1599  
 1000 PAGE AVENUE  
 LYNHURST, NEW JERSEY 07071

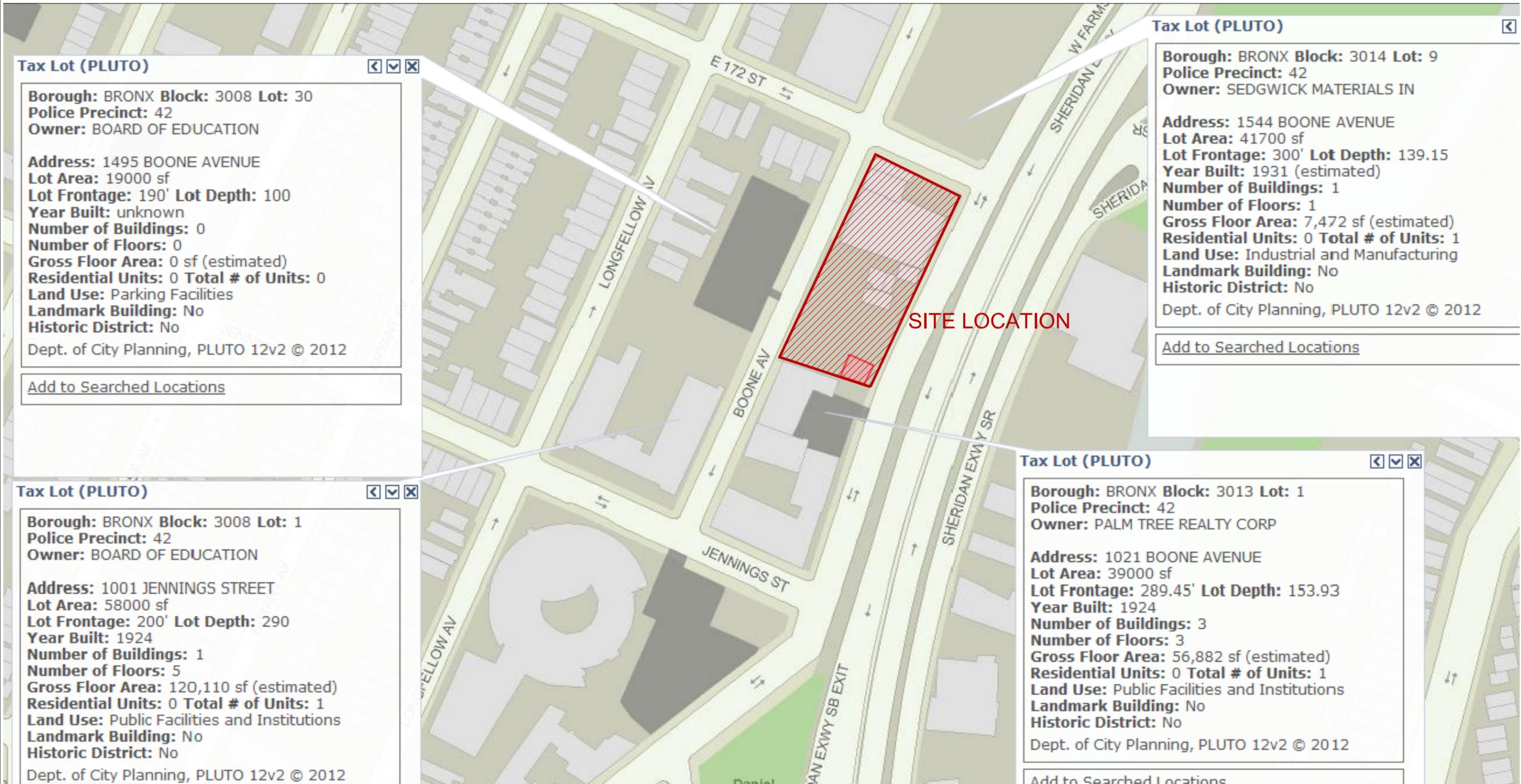
TITLE:  
**SITE LOCATION  
 MAP**

SITE:  
 COMPASS RESIDENCES  
 WEST FARMS BLOCK 3013-N  
 BRONX, NY

DRAWING NO: <b>Figure 1</b>		REVISIONS	
PROJECT NO:	5197-01-03-3002	NO:	DATE:
DESIGNED BY:	KK		
DRAWN BY:	BH		
CHECKED BY:	KK		
DATE:	3/6/2013		
SCALE:	1" = 30'		

NOTES:  
 1. MAP PROVIDED BY THE NEW YORK CITY PLANNING ZONING AND LAND USE APPLICATION

LEGEND:  
 SITE LOCATION



**Tax Lot (PLUTO)**

**Borough:** BRONX **Block:** 3008 **Lot:** 30  
**Police Precinct:** 42  
**Owner:** BOARD OF EDUCATION

**Address:** 1495 BOONE AVENUE  
**Lot Area:** 19000 sf  
**Lot Frontage:** 190' **Lot Depth:** 100  
**Year Built:** unknown  
**Number of Buildings:** 0  
**Number of Floors:** 0  
**Gross Floor Area:** 0 sf (estimated)  
**Residential Units:** 0 **Total # of Units:** 0  
**Land Use:** Parking Facilities  
**Landmark Building:** No  
**Historic District:** No

Dept. of City Planning, PLUTO 12v2 © 2012

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**Tax Lot (PLUTO)**

**Borough:** BRONX **Block:** 3014 **Lot:** 9  
**Police Precinct:** 42  
**Owner:** SEDGWICK MATERIALS IN

**Address:** 1544 BOONE AVENUE  
**Lot Area:** 41700 sf  
**Lot Frontage:** 300' **Lot Depth:** 139.15  
**Year Built:** 1931 (estimated)  
**Number of Buildings:** 1  
**Number of Floors:** 1  
**Gross Floor Area:** 7,472 sf (estimated)  
**Residential Units:** 0 **Total # of Units:** 1  
**Land Use:** Industrial and Manufacturing  
**Landmark Building:** No  
**Historic District:** No

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**Tax Lot (PLUTO)**

**Borough:** BRONX **Block:** 3008 **Lot:** 1  
**Police Precinct:** 42  
**Owner:** BOARD OF EDUCATION

**Address:** 1001 JENNINGS STREET  
**Lot Area:** 58000 sf  
**Lot Frontage:** 200' **Lot Depth:** 290  
**Year Built:** 1924  
**Number of Buildings:** 1  
**Number of Floors:** 5  
**Gross Floor Area:** 120,110 sf (estimated)  
**Residential Units:** 0 **Total # of Units:** 1  
**Land Use:** Public Facilities and Institutions  
**Landmark Building:** No  
**Historic District:** No

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**Tax Lot (PLUTO)**

**Borough:** BRONX **Block:** 3013 **Lot:** 1  
**Police Precinct:** 42  
**Owner:** PALM TREE REALTY CORP

**Address:** 1021 BOONE AVENUE  
**Lot Area:** 39000 sf  
**Lot Frontage:** 289.45' **Lot Depth:** 153.93  
**Year Built:** 1924  
**Number of Buildings:** 3  
**Number of Floors:** 3  
**Gross Floor Area:** 56,882 sf (estimated)  
**Residential Units:** 0 **Total # of Units:** 1  
**Land Use:** Public Facilities and Institutions  
**Landmark Building:** No  
**Historic District:** No

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TITLE:  
**SITE BOUNDARY MAP**

SITE:  
 COMPASS RESIDENCES  
 WEST FARMS BLOCK 3013-N  
 BRONX, NY

DRAWING NO:  
**Figure 2**

PROJECT NO.	DESIGNED BY:	REVISIONS	
		NO.	DATE
5197-01-03-3002	KK		
	BH		
	KK		
DATE:	3/8/2013		
SCALE:	1" = 30'		

NOTES:  
 1. MAP PROVIDED BY THE NEW YORK CITY PLANNING ZONING AND LAND USE APPLICATION

LEGEND:



SITE LOCATION



(c) 2001-2006 OASIS

width of map is 1.50 miles.

- |                                    |                                     |                          |
|------------------------------------|-------------------------------------|--------------------------|
| Streets                            | Bridges / Overpasses                | Subway Stations          |
| Subway Routes                      | NYC Parks (Dept. of Parks & Rec.)   | Community Gardens        |
| New York State Parks & Public Land | Open Space (Dept. of City Planning) | Cemeteries               |
| Playgrounds                        | Green Spaces Along Streets          | 1 & 2 Family Residential |
| NYCHA Properties                   | Schools                             | Commercial               |
| Multi-family Residential           | Mixed Use                           | Industrial               |
| Institutions                       | Transportation & Parking            |                          |
| Vacant Lots                        | Proposed Rezoning Area              |                          |
| Natural Areas                      |                                     |                          |

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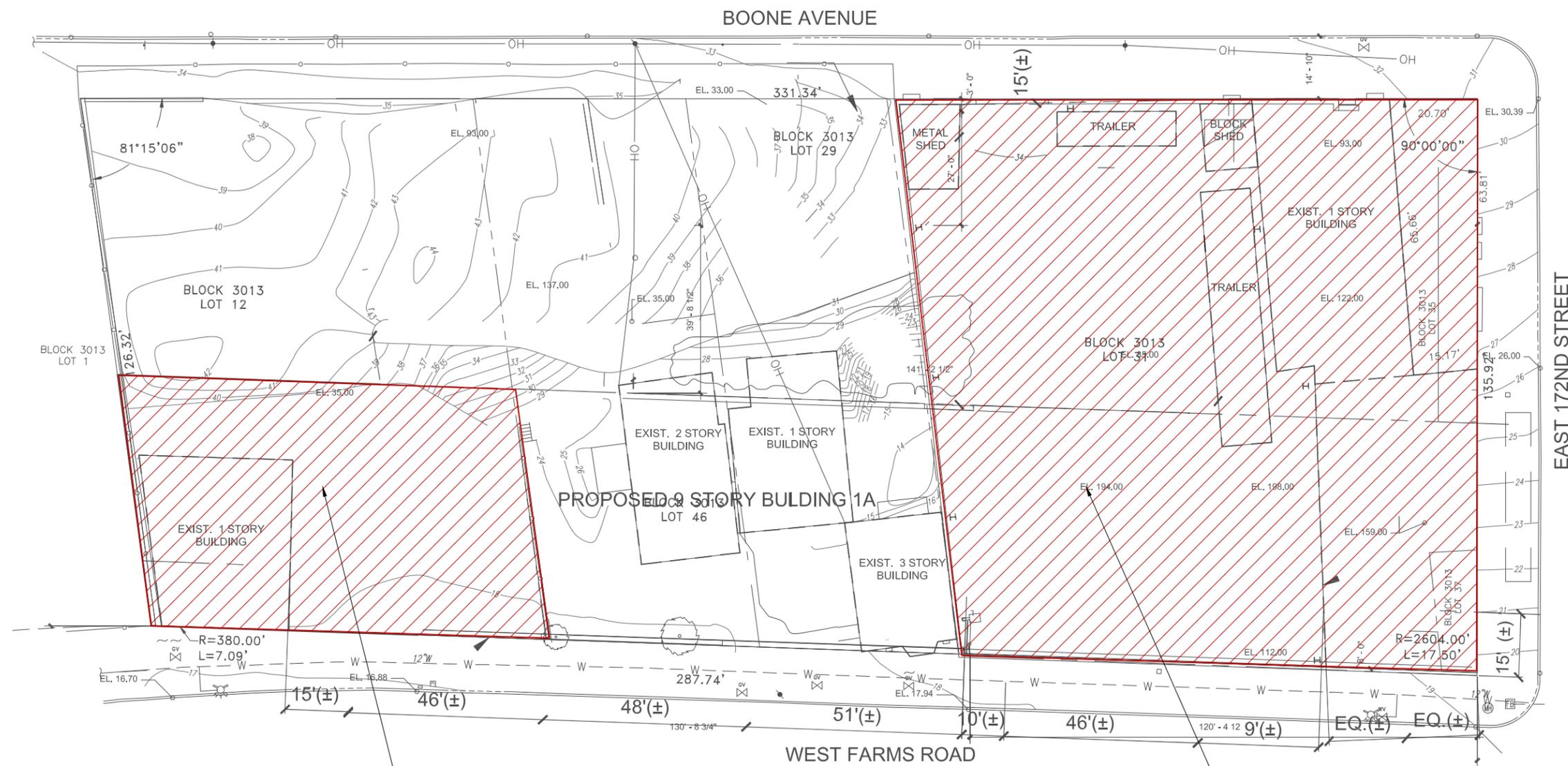
TITLE:  
**SURROUNDING  
 LAND USE MAP**

SITE:  
 COMPASS RESIDENCES  
 WEST FARMS BLOCK 3013-N  
 BRONX, NY

DRAWING NO: Figure 3		REVISIONS	
NO.	DATE	NO.	DATE
PROJECT NO.	5197-01-03-3002		
DESIGNED BY:	KK		
DRAWN BY:	BH		
CHECKED BY:	KK		
DATE:	3/6/2013		
SCALE:	1" = 30'		

NOTES:  
 1. MAP PROVIDED BY THE FINAL SCOPE OF WORK FOR THE CROTONA PARK EAST/WEST FARMS REZONING AND RELATED ACTIONS ENVIRONMENTAL IMPACT STATEMENT, PREPARED BY STANTEC CONSULTING SERVICES AND SANDSTONE ENVIRONMENTAL ASSOCIATES.

LEGEND:



AREA OF CONCERN (AOC): 1471 WEST FARMS. FORMER AUTO JUNK YARD, FILLING STATION AND AUTO REPAIR SHOP WITH A CLOSED NYSDEC SPILL. EVIDENCE OF CHEMICAL STAINING AND POOR HOUSEKEEPING PRACTICES.

AREA OF CONCERN (AOC): 1501 WEST FARMS ROAD/ 1508 BOONE AVENUE. FORMER AUTO REPAIR SHOP, IRON WORKS AND STEEL MANUFACTURING PLANT. HEAVY CHEMICAL STORAGE AND EVIDENCE OF CHEMICAL STAINING AND POOR HOUSEKEEPING PRACTICES.



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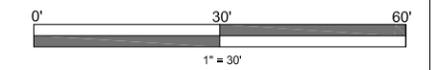
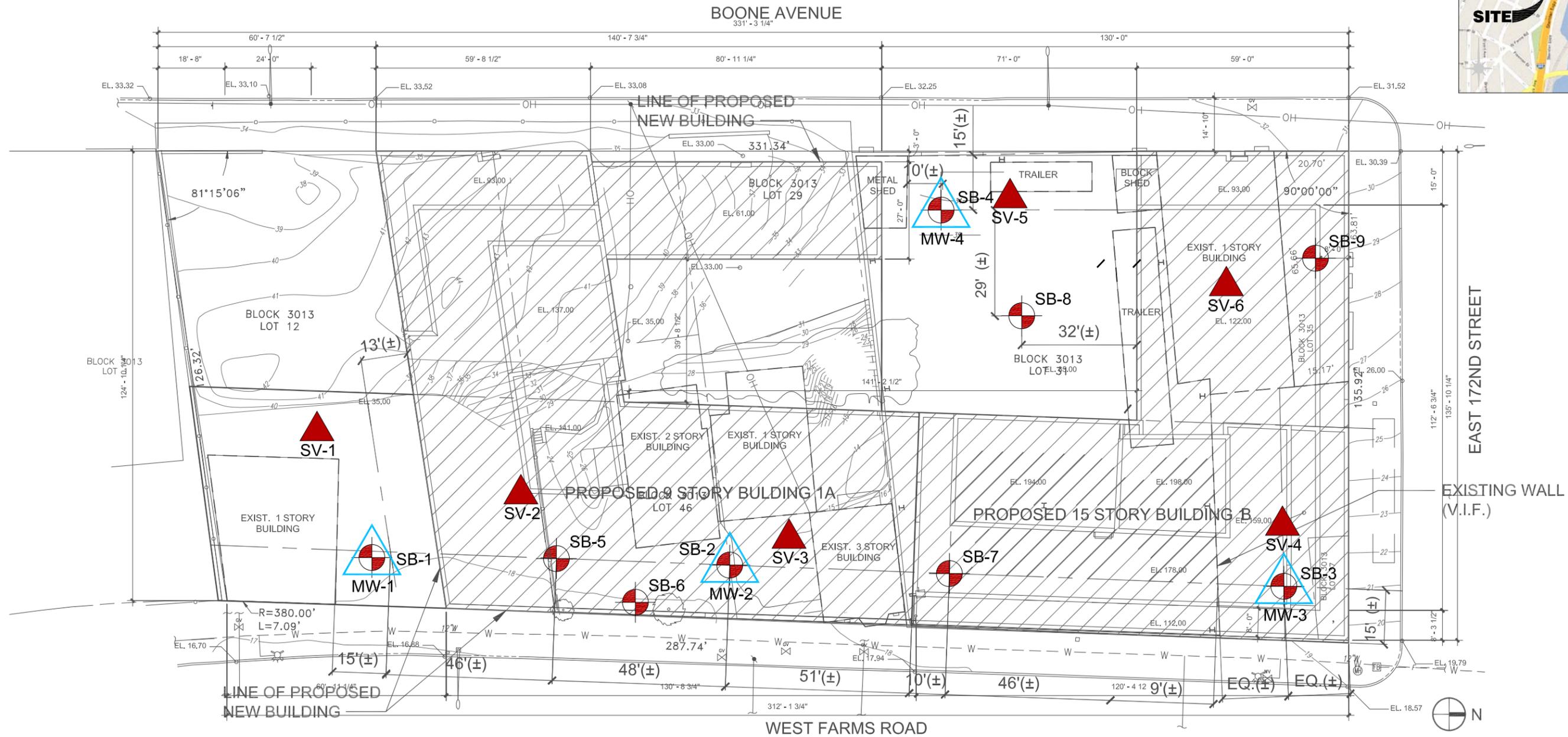
TITLE:  
**AREAS OF CONCERN LOCATION MAP**

SITE:  
 COMPASS RESIDENCES  
 WEST FARMS BLOCK 3013-N  
 BRONX, NY

DRAWING NO: Figure 4		REVISIONS	
PROJECT NO.	NO.	DATE	
5197-01-03-3002			
DESIGNED BY: KK			
DRAWN BY: BH			
CHECKED BY: KK			
DATE: 3/6/2013			
SCALE: 1" = 30'			

NOTES:  
 1. BASE MAP PROVIDED BY DE NARDIS ENGINEERING, LLC "PLAN OF PROPOSED SOIL BORINGS" DATED 10/11/2012.

LEGEND:  
 AREA OF CONCERN



**IMPACT ENVIRONMENTAL**  
 170 KEYLAND COURT  
 BOHEMIA, NEW YORK 11716  
 TEL (631) 269-8800 FAX (631) 269-1599  
 1000 PAGE AVENUE  
 LYNHURST, NEW JERSEY 07071

TITLE:  
**SOIL BORING  
 MONITORING WELL  
 SOIL VAPOR POINT  
 PLAN**

SITE:  
 COMPASS RESIDENCES  
 WEST FARMS BLOCK 3013-N  
 BRONX, NY

DRAWING NO:  
**Figure 5**

PROJECT NO.	5197-01-03-3002
DESIGNED BY:	KK
DRAWN BY:	BH
CHECKED BY:	KK
DATE:	3/6/2013
SCALE:	1" = 30'

NOTES:  
 1. BASE MAP PROVIDED BY DE NARDIS ENGINEERING, LLC "PLAN OF PROPOSED SOIL BORINGS" DATED 10/11/2012.

REVISIONS	
NO.	DATE:

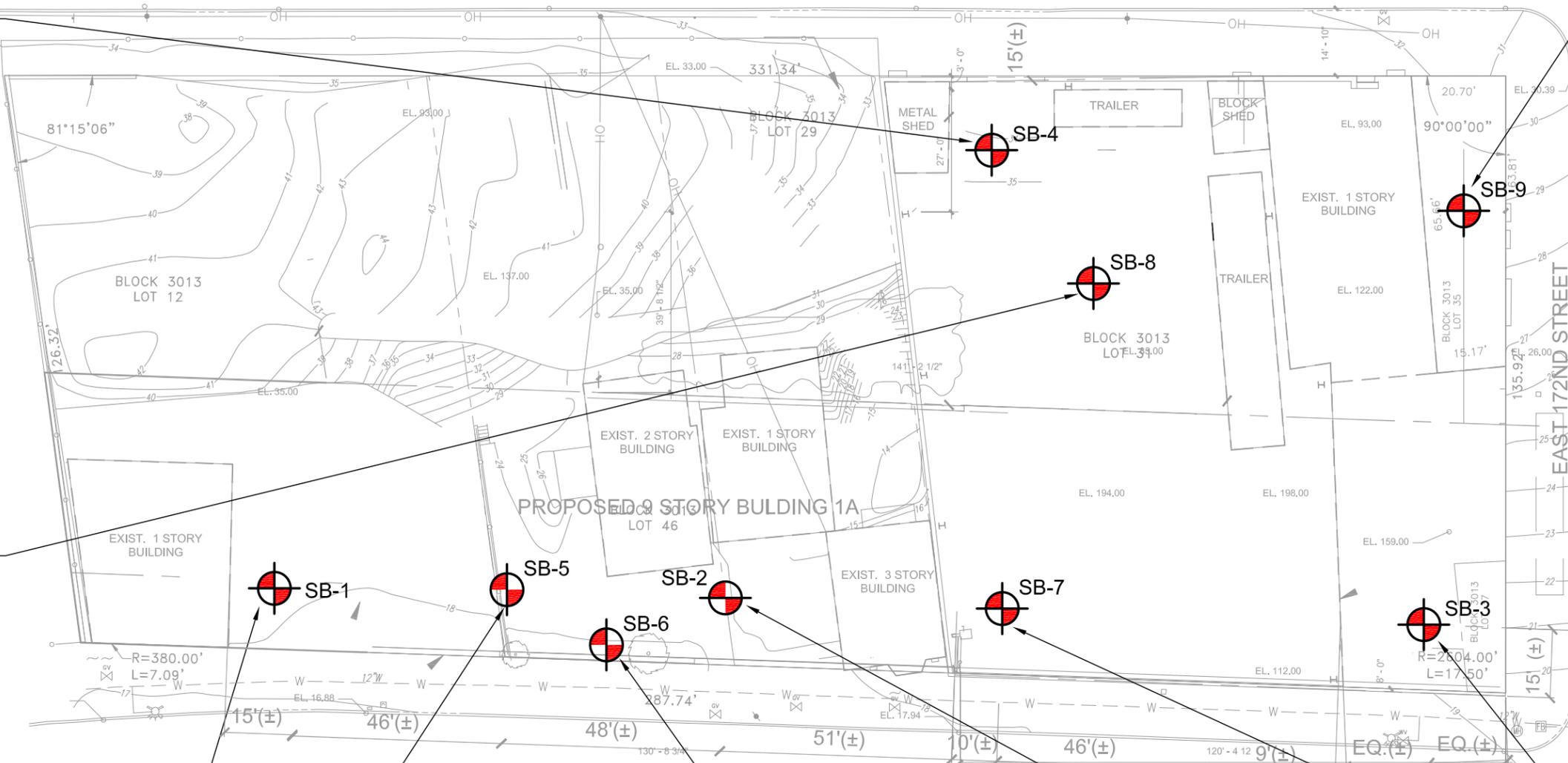
LEGEND:

- SB-x PROPOSED SOIL BORING LOCATION (SEE SOIL BORING SPECIFICATIONS)
- SB-2 PROPOSED SOIL BORING AND MONITORING WELL LOCATION (SEE SOIL BORING AND MONITORING WELL SPECIFICATIONS)
- MW-1
- SV-1 PROPOSED SOIL VAPOR POINT LOCATION (SEE SOIL VAPOR POINT SPECIFICATIONS)

BOONE AVENUE

SB-4 (0'-2')	
4,4-DDD	0.00447 ppm
4,4-DDT	0.00498 ppm
Lead	150.00 ppm
Zinc	140.00 ppm
Total BTEX	ND
Total VOCs	ND
Total cPAHs	2.388 ppm
Total SVOCs	5.287 ppm
SB-4 (6'-8')	
4,4-DDD	0.00571 ppm
4,4-DDT	0.0179 ppm
Trivalent Chromium	44.00 ppm
Copper	110.00 ppm
Lead	350.00 ppm
Nickel	42.00 ppm
Zinc	190.00 ppm
Total BTEX	ND
Total VOCs	0.00896 ppm
Total cPAHs	1.956 ppm
Total SVOCs	4.660 ppm

SB-8 (0'-2')	
Total BTEX	ND
Total VOCs	0.0204 ppm
Total cPAHs	0.624 ppm
Total SVOCs	1.264 ppm



SB-9 (0'-2')	
Benzo-a-Anthracene	40.00 ppm
Benzo-a-Pyrene	39.00 ppm
Benzo-b-Fluoranthene	46.00 ppm
Benzo-k-Fluoranthene	22.00 ppm
Chrysene	37.00 ppm
Indeno(1,2,3-cd)Pyrene	20.00 ppm
4,4-DDE	0.00669 ppm
4,4-DDT	0.0417 ppm
PCBs	0.1094 ppm
Arsenic	48.0 ppm
Barium	560.00 ppm
Trivalent Chromium	76.00 ppm
Copper	210.00 ppm
Lead	3000 ppm
Mercury	0.3 ppm
Nickel	64.00 ppm
Silver	2.2 ppm
Zinc	1200 ppm
Total BTEX	ND
Total VOCs	6.9 ppm
Total cPAHs	209.80 ppm
Total SVOCs	515.20 ppm

SB-9 (10'-12')	
4,4-DDE	0.0132 ppm
4,4-DDT	0.0822 ppm
Trivalent Chromium	31.00 ppm
Copper	58.00 ppm
Zinc	120.00 ppm
Total BTEX	ND
Total VOCs	ND
Total cPAHs	ND
Total SVOCs	ND

SB-1 (0'-2')	
Acetone	0.13 ppm
Trivalent Chromium	39 ppm
Copper	54 ppm
Nickel	40 ppm
Zinc	110 ppm
Total BTEX	0.00254 ppm
Total VOCs	0.136 ppm
Total cPAHs	ND
Total SVOCs	ND

SB-5 (0'-2')	
Total BTEX	ND
Total VOCs	0.0082 ppm
Total cPAHs	ND
Total SVOCs	ND
SB-5 (8'-10')	
Total BTEX	ND
Total VOCs	0.0042 ppb
Total cPAHs	ND
Total SVOCs	ND

SB-6 (0'-2')	
Total BTEX	ND
Total VOCs	0.0052 ppm
Total cPAHs	ND
Total SVOCs	ND
SB-6 (8'-10')	
4,4-DDT	0.00725 ppm
Total BTEX	ND
Total VOCs	0.0053 ppm
Total cPAHs	ND
Total SVOCs	ND

SB-2 (0'-2')	
4,4-DDT	0.0056 ppm
Copper	72 ppm
Lead	620 ppm
Mercury	0.85 ppm
Zinc	380 ppm
Total BTEX	ND
Total VOCs	0.006 ppm
Total cPAHs	0.948 ppm
Total SVOCs	1.848 ppm

SB-7 (0'-2')	
Nickel	32 ppm
Zinc	130 ppm
Total BTEX	ND
Total VOCs	0.012 ppm
Total cPAHs	1.593 ppm
Total SVOCs	3.790 ppm

SB-3 (0'-2')	
4,4-DDD	0.00438 ppm
Zinc	120 ppm
Total BTEX	0.00037 ppm
Total VOCs	0.01137 ppm
Total cPAHs	1.220 ppm
Total SVOCs	2.579 ppm

SB-2 (12'-14')	
Total BTEX	0.120 ppm
Total VOCs	4.950 ppm
Total cPAHs	ND
Total SVOCs	1.960 ppm

SB-3 (2'-4')	
Lead	70 ppm
Zinc	120 ppm
Total BTEX	0.00031 ppm
Total VOCs	0.00031 ppm
Total cPAHs	1.050 ppm
Total SVOCs	2.110 ppm



**IMPACT ENVIRONMENTAL**  
 170 KEYLAND COURT  
 BOHEMIA, NEW YORK 11716  
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 1000 PAGE AVENUE  
 LYNDHURST, NEW JERSEY 07071

TITLE:  
**SOIL BORING CHEMISTRY RESULTS MAP**

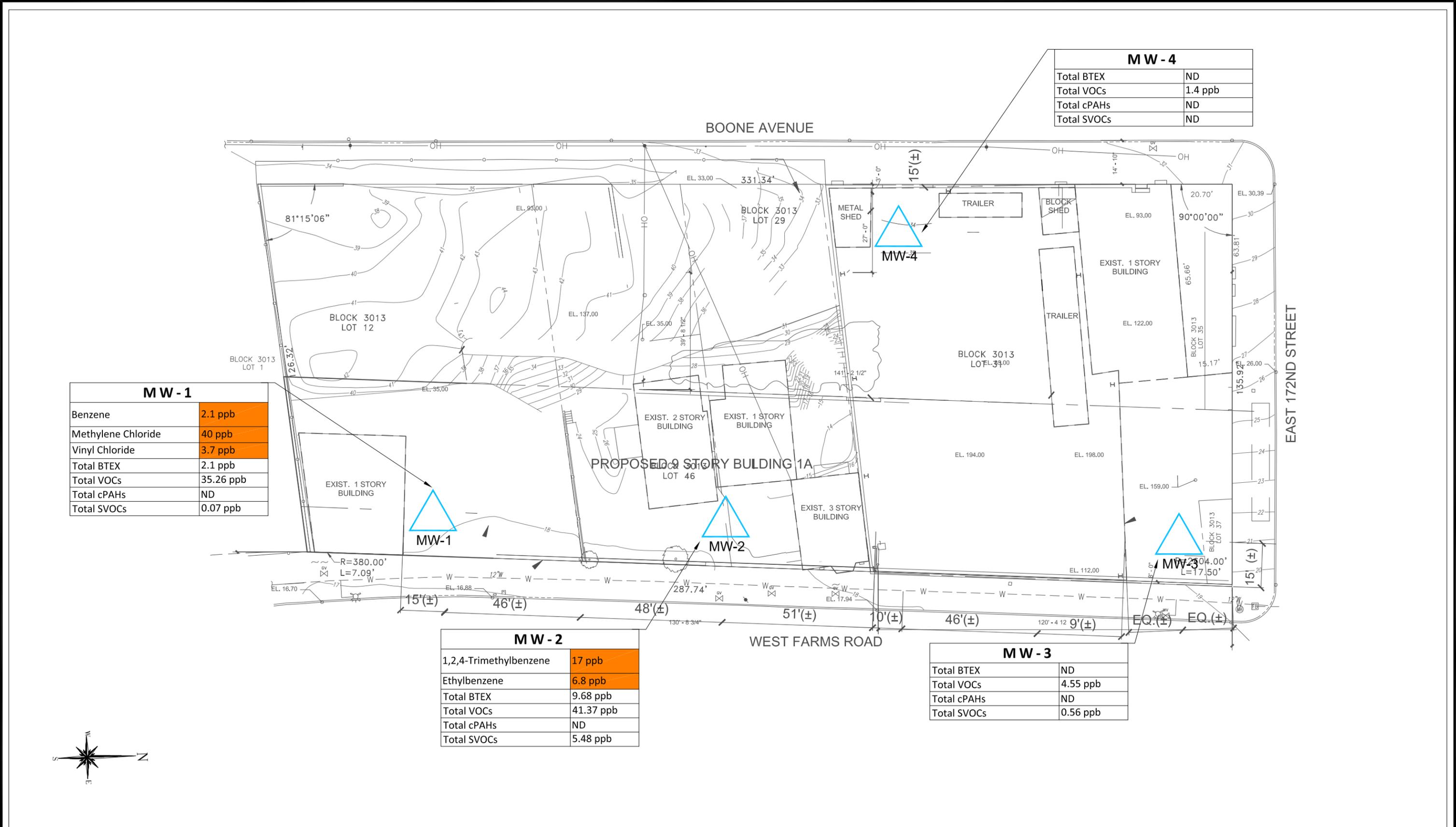
SITE:  
 COMPASS RESIDENCES  
 WEST FARMS BLOCK 3013-N  
 BRONX, NY

Figure 6	
PROJECT NO.	5197-01-03-3002
DESIGNED BY:	KK
DRAWN BY:	BH
CHECKED BY:	KK
DATE:	3/6/2013
SCALE:	1" = 30'

NOTES:  
 1. BASE MAP PROVIDED BY DE NARDIS ENGINEERING, LLC "PLAN OF PROPOSED SOIL BORINGS" DATED 10/11/2012.

LEGEND:

- SB-x SOIL BORING LOCATION
- EXCEEDANCE OF TRACK 2 SOIL CLEAN UP OBJECTIVES (SCOs)
- EXCEEDANCE OF TRACK 1 SOIL CLEAN UP OBJECTIVES (SCOs)



MW - 4	
Total BTEX	ND
Total VOCs	1.4 ppb
Total cPAHs	ND
Total SVOCs	ND

MW - 1	
Benzene	2.1 ppb
Methylene Chloride	40 ppb
Vinyl Chloride	3.7 ppb
Total BTEX	2.1 ppb
Total VOCs	35.26 ppb
Total cPAHs	ND
Total SVOCs	0.07 ppb

MW - 2	
1,2,4-Trimethylbenzene	17 ppb
Ethylbenzene	6.8 ppb
Total BTEX	9.68 ppb
Total VOCs	41.37 ppb
Total cPAHs	ND
Total SVOCs	5.48 ppb

MW - 3	
Total BTEX	ND
Total VOCs	4.55 ppb
Total cPAHs	ND
Total SVOCs	0.56 ppb

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 LYNHURST, NEW JERSEY 07071

TITLE:  
**GROUNDWATER  
 CHEMISTRY  
 RESULTS MAP**

SITE:  
 COMPASS RESIDENCES  
 WEST FARMS BLOCK 3013-N  
 BRONX, NY

DRAWING NO: Figure 7	
PROJECT NO.	5197-01-03-3002
DESIGNED BY:	KK
DRAWN BY:	BH
CHECKED BY:	KK
DATE:	3/6/2013
SCALE:	1" = 30'

NOTES:  
 1. BASE MAP PROVIDED BY DE NARDIS ENGINEERING, LLC "PLAN OF PROPOSED SOIL BORINGS" DATED 10/11/2012.

LEGEND:

MW-1  
 MONITORING WELL LOCATION

EXCEEDANCE OF NYSDEC TOGS 1.1.1 GROUNDWATER QUALITY STANDARDS



## **TABLES**

**Table 1 - Soil Analysis Summary**  
1471, 1481, 1501 West Farms Road, Bronx NY

CAS Number	Parameter Name	Parameter ID	NYCRR 375 Unrestricted Use	NYCRR 375 Restricted-Residential	SB-1 (0-2')	SB-2 (0-2')	SB-2 (12-14')	SB-3 (0-2')	SB-3 (2-4')	SB-4 (0-2')	SB-4 (6-8')
		Depth			2' BGS	2' BGS	14' BGS	2' BGS	4' BGS	2' BGS	7' BGS
		Date			2/13/2013	2/19/2013	2/19/2013	2/25/2013	2/25/2013	2/28/2013	2/28/2013
		Sample ID			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
71-55-6	1,1,1-Trichloroethane (TCA)	VOC	680	100,000a	ND	ND	ND	ND	ND	ND	ND
75-34-3	1,1-Dichloroethane	VOC	270	26,000	ND	ND	ND	26,000	ND	ND	ND
75-35-4	1,1-Dichloroethene	VOC	330	100,000a	ND	ND	ND	ND	ND	ND	ND
95-63-6	1,2,4-Trimethylbenzene	VOC	3,600	52,000	1.2 J	ND	3500	ND	ND	ND	ND
95-50-1	1,2-Dichlorobenzene	VOC	1,100	100,000a	ND	ND	ND	ND	ND	ND	ND
107-06-2	1,2-Dichloroethane	VOC	20c	3,100	ND	ND	ND	ND	ND	ND	ND
108-67-8	1,3,5-Trimethylbenzene	VOC	8,400	52,000	ND	ND	230 J	ND	ND	ND	ND
541-73-1	1,3-Dichlorobenzene	VOC	2,400	49,000	ND	ND	ND	ND	ND	ND	ND
106-46-7	1,4-Dichlorobenzene	VOC	1,800	13,000	ND	ND	ND	ND	ND	ND	ND
123-91-1	1,4-Dioxane	VOC	100b	13,000	ND	ND	ND	ND	ND	ND	ND
78-93-3	2-Butanone	VOC	120	100,000a	ND	ND	ND	ND	ND	ND	0.76 J
67-64-1	Acetone	VOC	50	100,000b	130	ND	ND	11 J	ND	ND	8.2 J
71-43-2	Benzene	VOC	60	4,800	ND	ND	ND	ND	ND	ND	ND
56-23-5	Carbon Tetrachloride	VOC	760	2,400	ND	ND	ND	ND	ND	ND	ND
108-90-7	Chlorobenzene	VOC	1,100	100,000a	ND	ND	ND	ND	ND	ND	ND
67-66-3	Chloroform	VOC	370	49,000	ND	ND	ND	ND	ND	ND	ND
156-59-2	cis-1,2-Dichloroethene	VOC	250	100,000a	ND	ND	ND	ND	ND	ND	ND
100-41-4	Ethylbenzene	VOC	1,000	41,000	0.24 J	ND	120 J	ND	ND	ND	ND
75-09-2	Methylene Chloride	VOC	50	100,000a	2.5 J	6 J	ND	ND	ND	ND	ND
1634-04-4	Methyl Tert-Butyl Ether	VOC	930	100,000a	ND	ND	ND	ND	ND	ND	ND
91-20-3	Naphthalene	SVOC	12,000	100,000a	ND	ND	ND	ND	ND	ND	ND
104-51-8	n-Butylbenzene	VOC	12,000	100,000a	ND	ND	ND	ND	ND	ND	ND
103-65-1	n-Propylbenzene	VOC	3,900	100,000a	ND	ND	380	ND	ND	ND	ND
135-98-8	sec-Butylbenzene	VOC	11,000	100,000a	ND	ND	720	ND	ND	ND	ND
98-06-6	tert-Butylbenzene	VOC	5,900	100,000a	ND	ND	ND	ND	ND	ND	ND
127-18-4	Tetrachloroethene (PCE)	VOC	1,300	19,000	ND	ND	ND	ND	ND	ND	ND
108-88-3	Toluene	VOC	700	100,000a	ND	ND	ND	0.37 J	0.31 J	ND	ND
1330-20-7	Total Xylenes	VOC	260	100,000a	2.3 J	ND	ND	ND	ND	ND	ND
156-60-5	trans-1,2-Dichloroethene	VOC	190	100,000a	ND	ND	ND	ND	ND	ND	ND
79-01-6	Trichloroethene (TCE)	VOC	470	21,000	ND	ND	ND	ND	ND	ND	ND
75-01-4	Vinyl Chloride	VOC	20	900	ND	ND	ND	ND	ND	ND	ND
	Total BTEX				2.54 J	ND	120 J	0.37 J	0.31 J	ND	ND
	Total VOCs				136.24	6 J	4,950	11.37 J	0.31 J	ND	8.96 J



**Table 1 - Soil Analysis Summary**  
1471, 1481, 1501 West Farms Road, Bronx NY

CAS Number	Parameter Name	Parameter ID	NYCRR 375 Unrestricted Use	NYCRR 375 Restricted-Residential	SB-5 (0-2')	SB-5 (8-10')	SB-6 (0-2')	SB-6 (8-10')	SB-7 (0-2')	SB-8 (0-2')	SB-9 (0-2')	SB-9 (10'-12)
		Depth			2 BGS	10' BGS	2' BGS	10' BGS	2' BGS	2' BGS	2' BGS	11' BGS
		Date			2/19/2013	2/19/2013	2/19/2013	2/19/2013	3/4/2013	3/4/2013	3/19/2013	3/19/2013
	Sample ID	Unit	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
71-55-6	1,1,1-Trichloroethane (TCA)	VOC	680	100,000a	ND	ND	ND	ND	ND	ND	ND	ND
75-34-3	1,1-Dichloroethane	VOC	270	26,000	ND	ND	ND	ND	ND	ND	ND	ND
75-35-4	1,1-Dichloroethene	VOC	330	100,000a	ND	ND	ND	ND	ND	ND	ND	ND
95-63-6	1,2,4-Trimethylbenzene	VOC	3,600	52,000	ND	ND	ND	ND	ND	ND	ND	ND
95-50-1	1,2-Dichlorobenzene	VOC	1,100	100,000a	ND	ND	ND	ND	ND	ND	ND	ND
107-06-2	1,2-Dichloroethane	VOC	20c	3,100	ND	ND	ND	ND	ND	ND	ND	ND
108-67-8	1,3,5-Trimethylbenzene	VOC	8,400	52,000	ND	ND	ND	ND	ND	ND	ND	ND
541-73-1	1,3-Dichlorobenzene	VOC	2,400	49,000	ND	ND	ND	ND	ND	ND	ND	ND
106-46-7	1,4-Dichlorobenzene	VOC	1,800	13,000	ND	ND	ND	ND	ND	ND	ND	ND
123-91-1	1,4-Dioxane	VOC	100b	13,000	ND	ND	ND	ND	ND	ND	ND	ND
78-93-3	2-Butanone	VOC	120	100,000a	ND	ND	ND	ND	2 J	2.4 J	ND	ND
67-64-1	Acetone	VOC	50	100,000b	ND	ND	ND	ND	10 J	18	ND	ND
71-43-2	Benzene	VOC	60	4,800	ND	ND	ND	ND	ND	ND	ND	ND
56-23-5	Carbon Tetrachloride	VOC	760	2,400	ND	ND	ND	ND	ND	ND	ND	ND
108-90-7	Chlorobenzene	VOC	1,100	100,000a	ND	ND	ND	ND	ND	ND	ND	ND
67-66-3	Chloroform	VOC	370	49,000	ND	ND	ND	ND	ND	ND	ND	ND
156-59-2	cis-1,2-Dichloroethene	VOC	250	100,000a	ND	ND	ND	ND	ND	ND	ND	ND
100-41-4	Ethylbenzene	VOC	1,000	41,000	ND	ND	ND	ND	ND	ND	ND	ND
75-09-2	Methylene Chloride	VOC	50	100,000a	8.2 J	4.2 J	5.2 J	5.3 J	ND	ND	ND	ND
1634-04-4	Methyl Tert-Butyl Ether	VOC	930	100,000a	ND	ND	ND	ND	ND	ND	ND	ND
91-20-3	Naphthalene	SVOC	12,000	100,000a	ND	ND	ND	ND	ND	ND	6900	ND
104-51-8	n-Butylbenzene	VOC	12,000	100,000a	ND	ND	ND	ND	ND	ND	ND	ND
103-65-1	n-Propylbenzene	VOC	3,900	100,000a	ND	ND	ND	ND	ND	ND	ND	ND
135-98-8	sec-Butylbenzene	VOC	11,000	100,000a	ND	ND	ND	ND	ND	ND	ND	ND
98-06-6	tert-Butylbenzene	VOC	5,900	100,000a	ND	ND	ND	ND	ND	ND	ND	ND
127-18-4	Tetrachloroethene (PCE)	VOC	1,300	19,000	ND	ND	ND	ND	ND	ND	ND	ND
108-88-3	Toluene	VOC	700	100,000a	ND	ND	ND	ND	ND	ND	ND	ND
1330-20-7	Total Xylenes	VOC	260	100,000a	ND	ND	ND	ND	ND	ND	ND	ND
156-60-5	trans-1,2-Dichloroethene	VOC	190	100,000a	ND	ND	ND	ND	ND	ND	ND	ND
79-01-6	Trichloroethene (TCE)	VOC	470	21,000	ND	ND	ND	ND	ND	ND	ND	ND
75-01-4	Vinyl Chloride	VOC	20	900	ND	ND	ND	ND	ND	ND	ND	ND
	Total BTEX				ND	ND	ND	ND	ND	ND	ND	ND
	Total VOCs				8.2 J	4.2 J	5.2 J	5.3 J	12 J	20.4	6900	ND



**Table 1 - Soil Analysis Summary**  
1471, 1481, 1501 West Farms Road, Bronx NY

CAS Number	Parameter Name	Parameter ID	NYCRR 375 Unrestricted Use	NYCRR 375 Restricted-Residential	SB-1 (0-2')	SB-2 (0-2')	SB-2 (12-14')	SB-3 (0-2')	SB-3 (2-4')	SB-4 (0-2')	SB-4 (6-8')
		Depth			2' BGS	2' BGS	14' BGS	2' BGS	4' BGS	2' BGS	7' BGS
		Date			2/13/2013	2/19/2013	2/19/2013	2/25/2013	2/25/2013	2/28/2013	2/28/2013
	Sample ID	Unit	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
95-48-7	2-Methylphenol	SVOC	330b	100,000a	ND	ND	ND	ND	ND	ND	ND
108-39-4	m-Cresol(s)	SVOC	330b	100,000a	ND	ND	ND	ND	ND	ND	ND
106-44-5	4-Methylphenol	SVOC	330b	100,000a	ND	ND	ND	ND	ND	ND	ND
83-32-9	Acenaphthene	SVOC	20,000	100,000a	ND	ND	ND	ND	ND	56 J	ND
208-96-8	Acenaphthylene	SVOC	100,000a	100,000a	ND	ND	ND	ND	ND	ND	58 J
120-12-7	Anthracene	SVOC	100,000a	100,000a	ND	ND	180	69 J	ND	150	120
56-55-3	Benzo-a-Anthracene	SVOC	1,000c	1,000f	ND	160	ND	240	200 J	420	340
50-32-8	Benzo-a-Pyrene	SVOC	1,000c	1,000f	ND	180	ND	230 J	200 J	430	360
205-99-2	Benzo-b-Fluoranthene	SVOC	1,000c	1,000f	ND	230	ND	270	240	520	410
207-08-9	Benzo-k-Fluoranthene	SVOC	800c	3,900	ND	88 J	ND	130 J	110 J	180	170
191-24-2	Benzo-g,h,i-Perylene	SVOC	100,000	100,000a	ND	130	ND	140 J	120 J	260	250
218-01-9	Chrysene	SVOC	1,000c	3,900	ND	180	ND	230	190 J	480	370
132-64-9	Dibenzofuran	SVOC	7,000	59,000a	ND	ND	ND	ND	ND	ND	ND
53-70-3	Dibenzo-a,h-Anthracene	SVOC	330b	330e	ND	ND	ND	ND	ND	58 J	46 J
206-44-0	Fluoranthene	SVOC	100,000	100,000a	ND	340	ND	450	380	910	900
86-73-7	Fluorene	SVOC	30,000	100,000a	ND	ND	ND	ND	ND	53 J	36 J
118-74-1	Hexachlorobenzene	SVOC	330	1,200	ND	ND	ND	ND	ND	ND	ND
193-39-5	Indeno(1,2,3-cd)Pyrene	SVOC	500c	500f	ND	110 J	ND	120 J	110 J	300	260
87-86-5	Pentachlorophenol	SVOC	800b	6,700	ND	ND	ND	ND	ND	ND	ND
85-01-8	Phenanthrene	SVOC	100,000	100,000a	ND	130 J	1500	250	200 J	570	550
108-95-2	Phenol	SVOC	330b	100,000a	ND	ND	ND	ND	ND	ND	ND
129-00-0	Pyrene	SVOC	100,000	100,000a	ND	300	280	450	360	900	790
	Total cPAHs				ND	948	ND	1,220	1,050	2,388	1,956
	Total SVOCs				ND	1,848	1,960	2,579	2,110	5,287	4,660



**Table 1 - Soil Analysis Summary**  
1471, 1481, 1501 West Farms Road, Bronx NY

CAS Number	Parameter Name	Parameter ID	NYCRR 375 Unrestricted Use	NYCRR 375 Restricted-Residential	SB-5 (0-2')	SB-5 (8-10')	SB-6 (0-2')	SB-6 (8-10')	SB-7 (0-2')	SB-8 (0-2')	SB-9 (0-2')	SB-9 (10'-12)
		Depth			2 BGS	10' BGS	2' BGS	10' BGS	2' BGS	2' BGS	2' BGS	11' BGS
		Date			2/19/2013	2/19/2013	2/19/2013	2/19/2013	3/4/2013	3/4/2013	3/19/2013	3/19/2013
	Sample ID	Unit	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
95-48-7	2-Methylphenol	SVOC	330b	100,000a	ND	ND	ND	ND	ND	ND	ND	ND
108-39-4	m-Cresol(s)	SVOC	330b	100,000a	ND	ND	ND	ND	ND	ND	ND	ND
106-44-5	4-Methylphenol	SVOC	330b	100,000a	ND	ND	ND	ND	ND	ND	ND	ND
83-32-9	Acenaphthene	SVOC	20,000	100,000a	ND	ND	ND	ND	56 J	ND	7900	ND
208-96-8	Acenaphthylene	SVOC	100,000a	100,000a	ND	ND	ND	ND	ND	ND	2700	ND
120-12-7	Anthracene	SVOC	100,000a	100,000a	ND	ND	ND	ND	140	36 J	64000	ND
56-55-3	Benzo-a-Anthracene	SVOC	1,000c	1,000f	ND	ND	ND	ND	290	120	40000	ND
50-32-8	Benzo-a-Pyrene	SVOC	1,000c	1,000f	ND	ND	ND	ND	280	110 J	39000	ND
205-99-2	Benzo-b-Fluoranthene	SVOC	1,000c	1,000f	ND	ND	ND	ND	340	140	46000	ND
207-08-9	Benzo-k-Fluoranthene	SVOC	800c	3,900	ND	ND	ND	ND	130	53 J	22000	ND
191-24-2	Benzo-g,h,i-Perylene	SVOC	100,000	100,000a	ND	ND	ND	ND	180	64 J	21000	ND
218-01-9	Chrysene	SVOC	1,000c	3,900	ND	ND	ND	ND	300	130	37000	ND
132-64-9	Dibenzofuran	SVOC	7,000	59,000	ND	ND	ND	ND	39 J	ND	3700	ND
53-70-3	Dibenzo-a,h-Anthracene	SVOC	330b	330e	ND	ND	ND	ND	53 J	ND	5800	ND
206-44-0	Fluoranthene	SVOC	100,000	100,000a	ND	ND	ND	ND	660	220	74000	ND
86-73-7	Fluorene	SVOC	30,000	100,000a	ND	ND	ND	ND	62 J	ND	7100	ND
118-74-1	Hexachlorobenzene	SVOC	330	1,200	ND	ND	ND	ND	ND	ND	ND	ND
193-39-5	Indeno(1,2,3-cd)Pyrene	SVOC	500c	500f	ND	ND	ND	ND	200	71 J	20000	ND
87-86-5	Pentachlorophenol	SVOC	800b	6,700	ND	ND	ND	ND	ND	ND	ND	ND
85-01-8	Phenanthrene	SVOC	100,000	100,000a	ND	ND	ND	ND	470	100 J	58000	ND
108-95-2	Phenol	SVOC	330b	100,000a	ND	ND	ND	ND	ND	ND	ND	ND
129-00-0	Pyrene	SVOC	100,000	100,000a	ND	ND	ND	ND	590	220	67000	ND
	Total cPAHs				ND	ND	ND	ND	1,593	624	209,800	ND
	Total SVOCs				ND	ND	ND	ND	3,790	1,264	515,200	ND



**Table 1 - Soil Analysis Summary**  
1471, 1481, 1501 West Farms Road, Bronx NY

CAS Number	Parameter Name	Parameter ID	NYCRR 375 Unrestricted Use	NYCRR 375 Restricted-Residential	SB-1 (0-2')	SB-2 (0-2')	SB-2 (12-14')	SB-3 (0-2')	SB-3 (2-4')	SB-4 (0-2')	SB-4 (6-8')
		Depth			2' BGS	2' BGS	14' BGS	2' BGS	4' BGS	2' BGS	7' BGS
		Date			2/13/2013	2/19/2013	2/19/2013	2/25/2013	2/25/2013	2/28/2013	2/28/2013
	Sample ID	Unit	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
93-72-1	2,4,5-TP Acid	PESTICIDE	3,800	100,000a	ND	ND	ND	ND	ND	ND	ND
72-54-8	4,4-DDD	PESTICIDE	3.3b	13,000	ND	0.797 JP	ND	4.38	ND	4.47	5.71
72-55-9	4,4-DDE	PESTICIDE	3.3b	8,900	ND	1.01 J	ND	ND	2.18	ND	ND
50-29-3	4,4-DDT	PESTICIDE	3.3b	7,900	ND	5.56	ND	2.24 J	ND	4.98	17.9
309-00-2	Aldrin	PESTICIDE	5c	97	ND	ND	ND	ND	ND	ND	ND
319-84-6	alpha-BHC	PESTICIDE	20	480	ND	ND	ND	ND	ND	ND	ND
5103-71-9	Alpha Chlordane	PESTICIDE	94	4,200	ND	ND	ND	1.55 JP	1.87 J	ND	ND
12674-11-2	Aroclor 1016	PCB	NA	NA	ND	ND	ND	ND	ND	ND	ND
1104-28-2	Aroclor 1221	PCB	NA	NA	ND	ND	ND	ND	ND	ND	ND
11141-16-5	Aroclor 1232	PCB	NA	NA	ND	ND	ND	ND	ND	ND	ND
53469-21-9	Aroclor 1242	PCB	NA	NA	ND	ND	ND	ND	ND	ND	ND
12672-29-6	Aroclor 1248	PCB	NA	NA	ND	ND	ND	ND	ND	ND	ND
11097-69-1	Aroclor 1254	PCB	NA	NA	ND	ND	ND	ND	ND	ND	ND
11096-82-5	Aroclor 1260	PCB	NA	NA	ND	8.5 J	ND	ND	ND	ND	ND
319-85-7	beta-BHC	PESTICIDE	36	360	ND	ND	ND	ND	ND	ND	ND
319-86-8	delta-BHC	PESTICIDE	40	100,000a	ND	ND	ND	ND	ND	ND	ND
60-57-1	Dieldrin	PESTICIDE	5	200	ND	ND	ND	1.24	1.29	ND	ND
115-29-7	Endosulfan	PESTICIDE	2400	NA	ND	37.8	ND	ND	ND	ND	ND
959-98-8	Endosulfan I	PESTICIDE	2,400	24,000i	ND	37.8	ND	ND	ND	ND	ND
33213-65-9	Endosulfan II	PESTICIDE	2,400	24,000i	ND	49.9	ND	ND	ND	ND	ND
1031-07-8	Endosulfan Sulfate	PESTICIDE	2,400	24,000i	ND	29.2	ND	ND	ND	ND	ND
72-20-8	Endrin	PESTICIDE	14	11,000	ND	ND	ND	ND	ND	ND	ND
58-89-9	gamma-BHC	PESTICIDE	100	1,300	ND	ND	ND	ND	ND	ND	ND
76-44-8	Heptachlor	PESTICIDE	42	2,100	ND	ND	ND	ND	ND	ND	ND
1336-36-3	Polychlorinated Biphenyls	PESTICIDE	100	1,000	ND	8.5 J	ND	ND	ND	ND	ND
	Unit		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
7440-38-2	Arsenic, As	METAL	13c	16f	ND	6.2	0.64	2.3	3.1	2.9	6.1
7440-39-3	Barium, Ba	METAL	350c	400	230	190	34	91	86	110	130
7440-41-7	Beryllium, Be	METAL	7.2	72	1.4	0.66	0.22	0.37	0.35	0.43	0.72
7440-43-9	Cadmium, Cd	METAL	2.5c	4.3	ND	0.31 J	ND	ND	ND	ND	ND
7440-47-3	Chromium, Cr	METAL	NA	110	39	23	15	24	26	24	44
18540-29-9	Chromium, hexavalent	METAL	1b	110	ND	0.25 J	0.3 J	ND	ND	ND	0.9 J
16065-83-1	Chromium, trivalent	METAL	30c	180	39	23	15	24	26	24	44
7440-50-8	Copper, Cu	METAL	50	270	54	72	24	40	39	37	110
57-12-5	Cyanide	METAL	27	27	ND	ND	ND	ND	ND	ND	ND
7439-92-1	Lead, Pb	METAL	63c	400	5.3	620	2.7	62	70	150	350
7439-96-5	Manganese, Mn	METAL	1,600c	2,000f	530	400	120	240	240	310	530
7439-97-6	Mercury, Hg	METAL	.18c	.81j	ND	0.85	ND	0.07 J	0.05 J	0.12	0.11
7440-02-0	Nickel, Ni	METAL	30	310	40	17	19	21	21	24	42
7782-49-2	Selenium, Se	METAL	3.9c	180	1.2	1.5	0.5 J	0.97	0.89 J	1.1	2.2
7440-22-4	Silver, Ag	METAL	2	180	ND	0.28 J	ND	0.14 J	0.19 J	ND	0.12 J
7440-66-6	Zinc, Zn	METAL	109c	10,000d	110	380	29	120	120	140	190

Notes: Shaded values indicate an exceedance of NYCRR 375 Restricted Residential and NYCRR 375 Unrestricted Use values.

J = Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit



**Table 1 - Soil Analysis Summary**  
1471, 1481, 1501 West Farms Road, Bronx NY

CAS Number	Parameter Name	Parameter ID	NYCRR 375 Unrestricted Use	NYCRR 375 Restricted-Residential	SB-5 (0-2')	SB-5 (8-10')	SB-6 (0-2')	SB-6 (8-10')	SB-7 (0-2')	SB-8 (0-2')	SB-9 (0-2')	SB-9 (10'-12)
		Depth			2 BGS	10' BGS	2' BGS	10' BGS	2' BGS	2' BGS	2' BGS	11' BGS
		Date			2/19/2013	2/19/2013	2/19/2013	2/19/2013	3/4/2013	3/4/2013	3/19/2013	3/19/2013
	Sample ID	Unit	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
93-72-1	2,4,5-TP Acid	PESTICIDE	3,800	100,000a	ND	ND	ND	ND	ND	ND	ND	ND
72-54-8	4,4-DDD	PESTICIDE	3.3b	13,000	27.3	ND	ND	1.06 J	ND	ND	ND	ND
72-55-9	4,4-DDE	PESTICIDE	3.3b	8,900	17	0.627 JP	1.66 J	1.79	1.8	0.86 J	6.69	13.2
50-29-3	4,4-DDT	PESTICIDE	3.3b	7,900	227	2.98 JP	2.8 J	7.25	ND	ND	41.7	82.2
309-00-2	Aldrin	PESTICIDE	5c	97	ND	ND	ND	ND	ND	ND	ND	ND
319-84-6	alpha-BHC	PESTICIDE	20	480	ND	ND	ND	ND	ND	ND	ND	ND
5103-71-9	Alpha Chlordane	PESTICIDE	94	4,200	ND	ND	ND	ND	ND	ND	ND	ND
12674-11-2	Aroclor 1016	PCB	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
1104-28-2	Aroclor 1221	PCB	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
11141-16-5	Aroclor 1232	PCB	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
53469-21-9	Aroclor 1242	PCB	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
12672-29-6	Aroclor 1248	PCB	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
11097-69-1	Aroclor 1254	PCB	NA	NA	ND	ND	ND	ND	ND	ND	74	ND
11096-82-5	Aroclor 1260	PCB	NA	NA	ND	ND	ND	ND	ND	ND	35.4 J	ND
319-85-7	beta-BHC	PESTICIDE	36	360	ND	ND	ND	ND	ND	ND	ND	ND
319-86-8	delta-BHC	PESTICIDE	40	100,000a	ND	ND	ND	ND	ND	ND	ND	ND
60-57-1	Dieldrin	PESTICIDE	5	200	5.55	ND	ND	ND	ND	ND	ND	ND
115-29-7	Endosulfan	PESTICIDE	2400	NA	17.1	2.9	ND	4.77	ND	ND	ND	ND
959-98-8	Endosulfan I	PESTICIDE	2,400	24,000i	17.1	2.9	ND	4.77	ND	ND	ND	ND
33213-65-9	Endosulfan II	PESTICIDE	2,400	24,000i	40.7	5.31	ND	8	ND	ND	ND	ND
1031-07-8	Endosulfan Sulfate	PESTICIDE	2,400	24,000i	56.2	15.2	ND	10.6	ND	ND	ND	ND
72-20-8	Endrin	PESTICIDE	14	11,000	ND	ND	ND	ND	ND	ND	ND	ND
58-89-9	gamma-BHC	PESTICIDE	100	1,300	ND	ND	ND	ND	ND	ND	ND	ND
76-44-8	Heptachlor	PESTICIDE	42	2,100	ND	ND	ND	ND	ND	ND	ND	ND
1336-36-3	Polychlorinated Biphenyls Unit	PESTICIDE	100 mg/kg	1,000 mg/kg	ND mg/kg	ND mg/kg	ND mg/kg	ND mg/kg	ND mg/kg	ND mg/kg	109.4 mg/kg	ND mg/kg
7440-38-2	Arsenic, As	METAL	13c	16f	3.2	1.4	3.2	2	1.2	1.8	48	2
7440-39-3	Barium, Ba	METAL	350c	400	72	34	100	46	120	110	560	100
7440-41-7	Beryllium, Be	METAL	7.2	72	0.58	0.28	0.65	0.43	0.39	0.43	0.76 J	0.58
7440-43-9	Cadmium, Cd	METAL	2.5c	4.3	ND	ND	ND	ND	ND	ND	1.1 J	ND
7440-47-3	Chromium, Cr	METAL	NA	110	22	14	21	18	28	26	76	31
18540-29-9	Chromium, hexavalent	METAL	1b	110	0.66 J	0.54 J	0.68 J	0.38 J	ND	ND	ND	ND
16065-83-1	Chromium, trivalent	METAL	30c	180	22	14	21	18	28	26	76	31
7440-50-8	Copper, Cu	METAL	50	270	20	18	24	17	34	34	210	58
57-12-5	Cyanide	METAL	27	27	ND	ND	ND	ND	ND	ND	ND	ND
7439-92-1	Lead, Pb	METAL	63c	400	15	13	62	4.1	21	12	3000	13
7439-96-5	Manganese, Mn	METAL	1,600c	2,000f	400	200	540	470	220	180	720	280
7439-97-6	Mercury, Hg	METAL	.18c	.81j	0.08	ND	0.05 J	ND	0.02 J	ND	0.3	ND
7440-02-0	Nickel, Ni	METAL	30	310	17	12	16	13	32	21	64	24
7782-49-2	Selenium, Se	METAL	3.9c	180	1.2	0.54 J	1.5	1.1	1	0.76 J	2.7 J	0.56 J
7440-22-4	Silver, Ag	METAL	2	180	ND	ND	ND	ND	0.1 J	0.09 J	2.2 J	ND
7440-66-6	Zinc, Zn	METAL	109c	10,000d	180	57	95	75	130	75	1200	120

Notes: Shaded values indicate an exceedance of NYCRR 375 Restricted Residential and NYCRR 375 Unrestricted Use values.

J = Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit



**Table 2 - Groundwater Analysis Summary**  
1471, 1481, 1501, West Farms Road, Bronx NY

CAS Number	Parameter Name	Parameter ID	NYSDEC TOGS 1.1.1 Groundwater Quality Standards	MW-1	MW-2	MW-3	MW-4
				2.5 ft	11.55 ft	4.76 ft	12.60 ft
		GW Depth		2/19/2013	2/26/2013	3/1/2013	3/1/2013
		Date		ug/L	ug/L	ug/L	ug/L
Sample ID		Unit	ug/L				
71-55-6	1,1,1-Trichloroethane (TCA)	VOC	5	ND	ND	ND	ND
75-34-3	1,1-Dichloroethane	VOC	5	ND	ND	ND	ND
75-35-4	1,1-Dichloroethene	VOC	5	ND	ND	ND	ND
95-63-6	1,2,4-Trimethylbenzene	VOC	5	ND	17	ND	ND
95-50-1	1,2-Dichlorobenzene	VOC	3	ND	ND	ND	ND
107-06-2	1,2-Dichloroethane	VOC	0.6	ND	ND	ND	ND
108-67-8	1,3,5-Trimethylbenzene	VOC	5	ND	ND	ND	ND
541-73-1	1,3-Dichlorobenzene	VOC	3	ND	ND	ND	ND
106-46-7	1,4-Dichlorobenzene	VOC	3	ND	ND	ND	ND
123-91-1	1,4-Dioxane	VOC	NS	ND	ND	ND	ND
110-57-6	trans-1,4-Dichloro-2-butene	VOC	5	ND	ND	ND	ND
78-93-3	2-Butanone	VOC	50	ND	ND	ND	ND
67-64-1	Acetone	VOC	50	5.2	2.1 J	4.4 J	1.4 J
71-43-2	Benzene	VOC	1	2.1	0.49 J	ND	ND
56-23-5	Carbon Tetrachloride	VOC	5	ND	ND	ND	ND
108-90-7	Chlorobenzene	VOC	5	ND	ND	ND	ND
67-66-3	Chloroform	VOC	7	ND	ND	ND	ND
156-59-2	cis-1,2-Dichloroethene	VOC	5	3.4	ND	ND	ND
100-41-4	Ethylbenzene	VOC	5	ND	6.8	ND	ND
75-09-2	Methylene Chloride	VOC	5	40	ND	ND	ND
1634-04-4	Methyl Tert-Butyl Ether	VOC	10	0.95 J	ND	ND	ND
91-20-3	Naphthalene	SVOC	10	0.29	2.8	0.15 J	ND
104-51-8	n-Butylbenzene	VOC	5	ND	ND	ND	ND
103-65-1	n-Propylbenzene	VOC	5	ND	2.9	ND	ND
135-98-8	sec-Butylbenzene	VOC	5	ND	2.5	ND	ND
98-06-6	tert-Butylbenzene	VOC	5	ND	ND	ND	ND
127-18-4	Tetrachloroethene (PCE)	VOC	5	0.31 J	ND	ND	ND
108-88-3	Toluene	VOC	5	ND	ND	ND	ND
95-47-6	o Xylene	VOC	5	ND	1.5 J	ND	ND
	m,p Xylene	VOC	5	ND	0.89 J	ND	ND
1330-20-7	Total Xylenes	VOC	NS	ND	2.39 J	ND	ND
156-60-5	trans-1,2-Dichloroethene	VOC	5	ND	ND	ND	ND
79-01-6	Trichloroethene (TCE)	VOC	5	0.96	ND	ND	ND
75-01-4	Vinyl Chloride	VOC	2	3.7	ND	ND	ND
	Total BTEX			2.1	9.68	ND	ND
	Total VOCs			35.26	41.37	4.55 J	1.4 J
95-48-7	2-Methylphenol	SVOC	1	ND	ND	ND	ND
83-32-9	Acenaphthene	SVOC	20	ND	0.95	0.14 J	ND
208-96-8	Acenaphthylene	SVOC	NS	ND	ND	ND	ND
120-12-7	Anthracene	SVOC	50	ND	0.24	ND	ND
56-55-3	Benzo-a-Anthracene	SVOC	0.002	ND	ND	ND	ND
50-32-8	Benzo-a-Pyrene	SVOC	NS	ND	ND	ND	ND
205-99-2	Benzo-b-Fluoranthene	SVOC	0.002	ND	ND	ND	ND
207-08-9	Benzo-k-Fluoranthene	SVOC	0.002	ND	ND	ND	ND
191-24-2	Benzo-g,h,i-Perylene	SVOC	NS	ND	ND	ND	ND
218-01-9	Chrysene	SVOC	0.002	ND	ND	ND	ND
132-64-9	Dibenzofuran	SVOC	NS	ND	1 J	ND	ND
53-70-3	Dibenzo-a,h-Anthracene	SVOC	NS	ND	ND	ND	ND
206-44-0	Fluoranthene	SVOC	50	ND	ND	0.09 J	ND
86-73-7	Fluorene	SVOC	50	ND	1.5	0.09 J	ND
118-74-1	Hexachlorobenzene	SVOC	0.04	ND	ND	ND	ND
193-39-5	Indeno(1,2,3-cd)Pyrene	SVOC	0.002	ND	ND	ND	ND
95-94-3	1,2,4,5-Tetrachlorobenzene	SVOC	5	ND	ND	ND	ND
87-86-5	Pentachlorophenol	SVOC	1	ND	ND	ND	ND
85-01-8	Phenanthrene	SVOC	50	0.07 J	1.7	0.16 J	ND
108-95-2	Phenol	SVOC	1	ND	ND	ND	ND
129-00-0	Pyrene	SVOC	50	ND	0.09 J	0.08 J	ND
	Total cPAHs			ND	ND	ND	ND
	Total SVOCs			0.07 J	5.48	0.56 J	ND



**Table 2 - Groundwater Analysis Summary**  
1471, 1481, 1501, West Farms Road, Bronx NY

CAS Number	Parameter Name	Parameter ID	NYSDEC TOGS 1.1.1 Groundwater Quality Standards	MW-1	MW-2	MW-3	MW-4
				2.5 ft	11.55 ft	4.76 ft	12.60 ft
		GW Depth		2/19/2013	2/26/2013	3/1/2013	3/1/2013
	Sample ID	Date	ug/L	ug/L	ug/L	ug/L	ug/L
72-54-8	4,4-DDD	PESTICIDE	0.3	ND	ND	ND	ND
72-55-9	4,4-DDE	PESTICIDE	0.2	ND	ND	ND	ND
50-29-3	4,4-DDT	PESTICIDE	0.2	ND	ND	ND	0.008 J
309-00-2	Aldrin	PESTICIDE	0	ND	ND	ND	ND
319-84-6	alpha-BHC	PESTICIDE	0.01	ND	ND	ND	ND
5103-71-9	Alpha Chlordane	PESTICIDE	NS	ND	ND	ND	ND
12674-11-2	Aroclor 1016	PCB	NS	ND	ND	ND	ND
1104-28-2	Aroclor 1221	PCB	NS	ND	ND	ND	ND
11141-16-5	Aroclor 1232	PCB	NS	ND	ND	ND	ND
53469-21-9	Aroclor 1242	PCB	NS	ND	ND	ND	ND
12672-29-6	Aroclor 1248	PCB	NS	ND	ND	ND	ND
11097-69-1	Aroclor 1254	PCB	NS	ND	ND	ND	ND
11096-82-5	Aroclor 1260	PCB	NS	ND	ND	ND	ND
319-85-7	beta-BHC	PESTICIDE	0.04	ND	ND	ND	ND
319-86-8	delta-BHC	PESTICIDE	0.04	ND	ND	ND	ND
60-57-1	Dieldrin	PESTICIDE	0.004	ND	ND	ND	ND
115-29-7	Endosulfan	PESTICIDE	NS	ND	ND	ND	ND
959-98-8	Endosulfan I	PESTICIDE	NS	ND	ND	ND	ND
33213-65-9	Endosulfan II	PESTICIDE	NS	ND	ND	ND	ND
1031-07-8	Endosulfan Sulfate	PESTICIDE	NS	0.007 J	ND	ND	ND
72-20-8	Endrin	PESTICIDE	0	ND	ND	ND	ND
58-89-9	gamma-BHC	PESTICIDE	0.05	ND	ND	ND	ND
76-44-8	Heptachlor	PESTICIDE	0.04	ND	ND	ND	ND
1336-36-3	Polychlorinated Biphenyls	PESTICIDE	0.09	ND	ND	ND	ND
	Unit		mg/L	mg/L	mg/L	mg/L	mg/L
7440-38-2	Arsenic, As - Dissolved	METAL	25	0.003 J	ND	0.0012	0.0003 J
7440-39-3	Barium, Ba - Dissolved	METAL	1000	0.062	0.035	0.0162	0.0394
7440-41-7	Beryllium, Be - Dissolved	METAL	3	ND	ND	ND	ND
7440-43-9	Cadmium, Cd - Dissolved	METAL	5	ND	0.001 J	ND	0.0006
7440-47-3	Chromium, Cr - Dissolved	METAL	50	ND	0.003 J	0.0042	0.0008 J
7440-48-4	Cobalt, Co - Dissolved	METAL	NS	0.016 J	0.021	0.0016	0.011
7440-50-8	Copper, Cu - Dissolved	METAL	200	ND	ND	0.0079	0.0218
7439-89-6	Iron, Fe - Dissolved	METAL	300	1.7	31	0.913	0.868
7439-92-1	Lead, Pb - Dissolved	METAL	25	ND	ND	0.0053	0.0049
7439-96-5	Manganese, Mn - Dissolved	METAL	300	2.16	4.56	0.0451	0.2636
7439-97-6	Mercury, Hg - Dissolved	METAL	0.7	ND	ND	ND	ND
7440-02-0	Nickel, Ni - Dissolved	METAL	100	0.007 J	ND	0.0036	0.0199
7782-49-2	Selenium, Se - Dissolved	METAL	10	0.004 J	ND	0.001 J	0.002 J
7440-22-4	Silver, Ag - Dissolved	METAL	50	ND	ND	ND	ND
7440-28-0	Thallium, Tl - Dissolved	METAL	0.5	ND	ND	ND	ND
7440-62-2	Vanadium, V - Dissolved	METAL	NS	ND	ND	0.0149	0.0016 J
7440-66-6	Zinc, Zn - Dissolved	METAL	2000	0.018 J	0.009 J	0.0077 J	0.2097
7440-38-2	Arsenic, As - Total	METAL	25	ND	ND	0.001	ND
7440-39-3	Barium, Ba - Total	METAL	1000	0.068	0.039	0.0075	0.026
7440-41-7	Beryllium, Be - Total	METAL	3	ND	ND	ND	ND
7440-43-9	Cadmium, Cd - Total	METAL	5	ND	0.001 J	ND	0.0005
7440-47-3	Chromium, Cr - Total	METAL	50	ND	0.003 J	0.0036	0.0009 J
7440-48-4	Cobalt, Co - Total	METAL	NS	0.013 J	0.018 J	0.0002 J	0.0064
7440-50-8	Copper, Cu - Total	METAL	200	0.013	ND	0.0054	0.0145
7439-89-6	Iron, Fe - Total	METAL	300	2.9	32	0.019 J	0.06
7439-92-1	Lead, Pb - Total	METAL	25	ND	0.004	ND	ND
7439-96-5	Manganese, Mn - Total	METAL	300	2.19	4.23	0.0002 J	0.1728
7439-97-6	Mercury, Hg - Total	METAL	0.7	ND	ND	ND	ND
7440-02-0	Nickel, Ni - Total	METAL	100	0.006 J	0.004 J	0.0025	0.0162
7782-49-2	Selenium, Se - Total	METAL	10	ND	ND	0.001 J	0.002 J
7440-22-4	Silver, Ag - Total	METAL	50	ND	ND	ND	ND
7440-28-0	Thallium, Tl - Total	METAL	0.5	ND	ND	ND	ND
7440-62-2	Vanadium, V - Total	METAL	NS	ND	ND	0.0134	0.0004 J
7440-66-6	Zinc, Zn - Total	METAL	2000	0.025 J	0.012 J	ND	0.1696
Notes: Shaded values indicate an exceedance of NYSDEC TOGS 1.1.1 Groundwater Quality Standards							
J = Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit							



**Table 3 - Soil Vapor Analysis Summary**  
1471, 1481, 1501 West Farms Road, Bronx NY

CAS Number	Parameter Name	EPA 2001: BASE Database Indoor Air (90th)	SV-2	SV-3	SV-4	SV-5	SV-6
		Probe Depth					
		Date					
	Sample ID	$\mu\text{g}/\text{m}^3$	$\mu\text{g}/\text{m}^3$	$\mu\text{g}/\text{m}^3$	$\mu\text{g}/\text{m}^3$	$\mu\text{g}/\text{m}^3$	$\mu\text{g}/\text{m}^3$
71-55-6	1,1,1-Trichloroethane (TCA)	20.6	ND	ND	ND	ND	ND
79-34-5	1,1,2,2-Tetrachloroethane	NA	ND	ND	ND	ND	ND
79-00-5	1,1,2-Trichloroethane	1.5	ND	ND	ND	ND	ND
76-13-1	1,1,2 Trichloro-1,2,2 Trifluoroethane	NA	ND	ND	ND	ND	ND
75-34-3	1,1-Dichloroethane	0.7	ND	ND	ND	ND	ND
75-35-4	1,1-Dichloroethene	1.4	ND	ND	ND	ND	ND
95-63-6	1,2,4-Trimethylbenzene	9.5	2.69	ND	3.4	ND	ND
106-93-4	1,2-Dibromoethane	1.5	ND	ND	ND	ND	ND
95-50-1	1,2-Dichlorobenzene	1.2	ND	ND	ND	ND	ND
107-06-2	1,2-Dichloroethane	0.9	ND	ND	ND	ND	ND
78-87-5	1,2-Dichloropropane	1.6	ND	ND	ND	ND	ND
120-82-1	1,2,4-Trichlorobenzene	6.8	ND	ND	ND	ND	ND
108-67-8	1,3,5-Trimethylbenzene	3.7	1.01	ND	1.22	ND	ND
541-73-1	1,3-Dichlorobenzene	2.4	ND	ND	ND	ND	ND
106-99-0	1,3-Butadiene	3	ND	ND	0.673	ND	ND
106-46-7	1,4-Dichlorobenzene	5.5	ND	ND	ND	ND	ND
123-91-1	1,4-Dioxane	NA	ND	ND	ND	ND	ND
540-84-1	2,2,4-Trimethylpentane	NA	7.15	ND	2.91	ND	ND
78-93-3	2-Butanone	12	0.743	0.953	2.76	ND	ND
591-78-6	2-Hexanone	NA	ND	ND	ND	ND	ND
108-10-1	4-Methyl-2-Pentanone	6	ND	ND	ND	ND	ND
107-05-1	3-Chloropropene	NA	ND	ND	ND	ND	ND
622-96-8	4-Ethyltoluene	3.6	ND	ND	ND	ND	ND
67-64-1	Acetone	98.9	22.4	10.3	19.6	6.06	ND
71-43-2	Benzene	9.4	ND	0.652	1.24	1.42	ND
100-44-7	Benzyl chloride	6.8	ND	ND	ND	ND	ND
75-27-4	Bromodichloromethane	NA	ND	ND	ND	ND	ND
75-25-2	Bromoform	NA	ND	ND	ND	ND	ND
74-83-9	Bromomethane	1.7	ND	ND	ND	ND	ND
75-15-0	Carbon Disulfide	4.2	ND	ND	2.52	2.03	ND
56-23-5	Carbon Tetrachloride	1.3	ND	ND	ND	ND	ND



**Table 3 - Soil Vapor Analysis Summary**  
1471, 1481, 1501 West Farms Road, Bronx NY

CAS Number	Parameter Name	EPA 2001: BASE Database Indoor Air (90th)	SV-2	SV-3	SV-4	SV-5	SV-6
		Probe Depth					
		Date					
	Sample ID	$\mu\text{g}/\text{m}^3$	$\mu\text{g}/\text{m}^3$	$\mu\text{g}/\text{m}^3$	$\mu\text{g}/\text{m}^3$	$\mu\text{g}/\text{m}^3$	$\mu\text{g}/\text{m}^3$
108-90-7	Chlorobenzene	0.9	ND	ND	ND	ND	ND
124-48-1	Chlorodibromomethane	NA	ND	ND	ND	ND	ND
75-00-3	Chloroethane	1.1	ND	ND	ND	ND	ND
67-66-3	Chloroform	1.1	ND	ND	ND	ND	ND
74-87-3	Chloromethane	3.7	1.02	1.1	ND	ND	ND
542-75-6	cis-1,3-Dichloropropene	2.3	ND	ND	ND	ND	ND
156-59-2	cis-1,2-Dichloroethene	1.9	ND	ND	ND	ND	ND
110-82-7	Cyclohexane	NA	ND	ND	0.864	ND	ND
75-71-8	Dichlorodifluoromethane	16.5	1.49	1.89	2.03	ND	ND
100-41-4	Ethylbenzene	5.7	1.37	ND	1.23	ND	ND
64-17-5	Ethanol	210	ND	10.9	ND	ND	ND
141-78-6	Ethyl Acetate	5.4	ND	ND	ND	ND	ND
76-14-2	Freon-114	NA	ND	ND	ND	ND	ND
142-82-5	Heptane	NA	4.34	ND	0.857	ND	ND
87-68-3	Hexachlorobutadiene	6.8	ND	ND	ND	ND	ND
67-63-0	Isopropanol	250	ND	ND	ND	ND	ND
75-09-2	Methylene Chloride	10	ND	ND	ND	ND	ND
1634-04-4	Methyl Tert-Butyl Ether	11.5	ND	ND	ND	ND	ND
110-54-3	n-Hexane	10.2	7.65	ND	0.969	ND	ND
115-07-1	Propylene	NA	ND	ND	2.38	1.93	ND
1330-20-7	p/m-Xylene	22.2	3.46	ND	4.95	ND	ND
95-47-6	o-Xylene	7.9	ND	ND	1.84	ND	ND
100-42-5	Styrene	1.9	ND	ND	ND	ND	ND
127-18-4	Tetrachloroethene (PCE)	15.9	2.13	ND	12.5	ND	ND
109-99-9	Tetrahydrofuran	NA	ND	ND	ND	ND	ND
108-88-3	Toluene	43	4.79	1.52	26.1	ND	ND
1330-20-7	Total Xylenes	NA	3.46	ND	6.79	ND	ND
156-60-5	trans-1,2-Dichloroethene	NA	ND	ND	ND	ND	ND
10061-02-6	trans-1,3-Dichloropropene	1.3	ND	ND	ND	ND	ND
79-01-6	Trichloroethene (TCE)	4.2	ND	ND	ND	ND	ND
75-69-4	Trichlorofluoromethane	18.1	1.21	1.23	1.17	5.68	618,000
108-05-4	Vinyl Acetate	NA	ND	ND	ND	ND	ND
593-60-2	Vinyl bromide	NA	ND	ND	ND	ND	ND
75-01-4	Vinyl Chloride	1.9	ND	ND	ND	ND	ND
	Total BTEX		9.62	2.172	35.36	1.42	ND
	Total VOCs		61.45	28.545	89.21	17.12	618,000
Notes: Shaded values indicate an exceedance of EPA 2001: BASE Database Indoor Air (90th) standards.							



**Table 4 - Groundwater Level Log**  
1471, 1481, 1501 West Farms Road, Bronx NY

Well ID	Date	Well Diameter (inches)	Total Well Depth (feet)	Well Head PID (PPM)	Depth to Water (feet)	Depth to Product (feet)	Product Thickness (feet)	Remarks
MW-1	2/19/2013	2.00	19.75	0.9	2.50	ND	ND	
MW-2	2/26/2013	1.00	12.60	12.3	11.80	ND	ND	
MW-3	3/1/2013	2.00	15.50	0.0	4.75	ND	ND	
MW-4	3/1/2013	2.00	17.50	0.1	11.75	ND	ND	

Notes:

ND - Not Detected

NM - Not Measured

DTW - Depth to Water



## **APPENDIX – A**

### **Proposed Redevelopment Plans**



View Along Boone Avenue

**Compass Residences- Phase 1**  
Buildings 1A and 1B

**DOB Submission**  
May 7, 2013

Owner

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Brooklyn, NY 11231

Industco Holdings, LLC  
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**Compass Residences**

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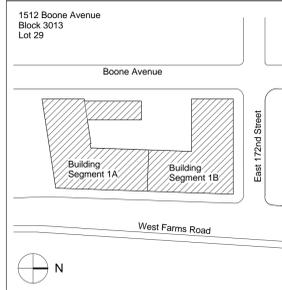
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Revisions

**DOB # 220210368-BX**



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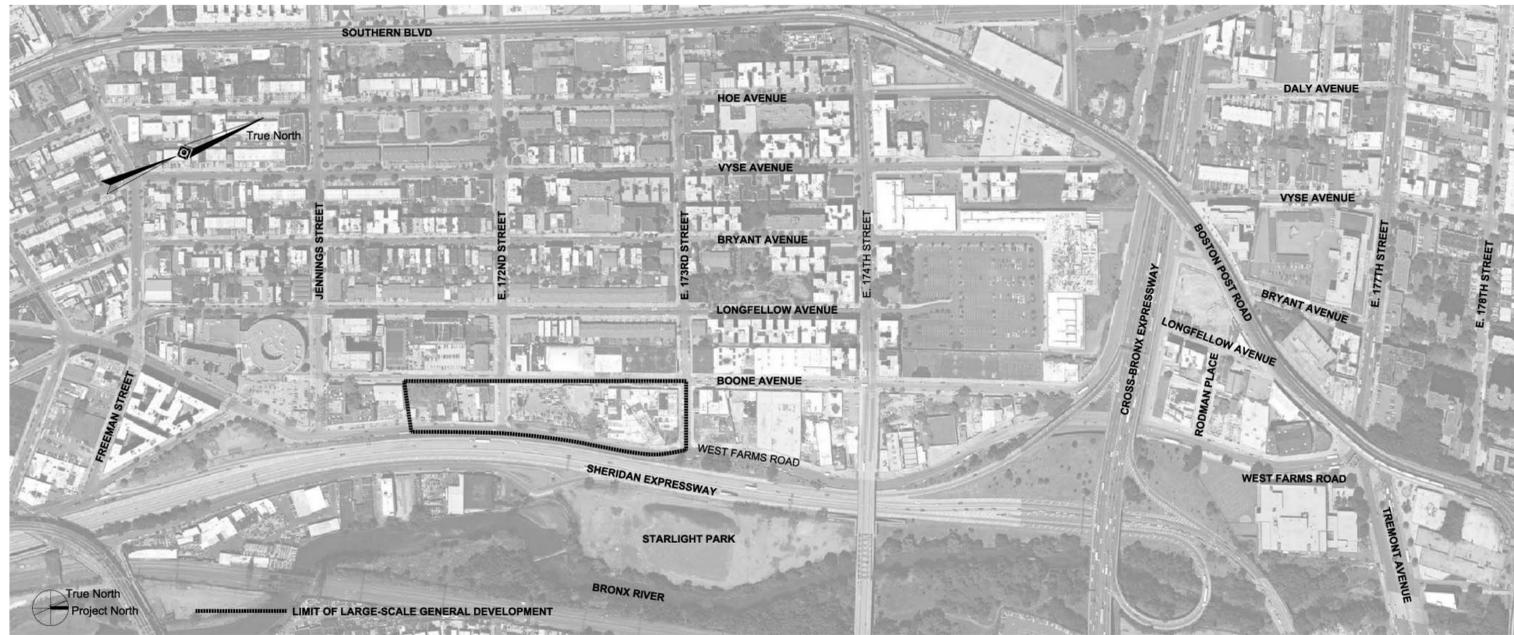
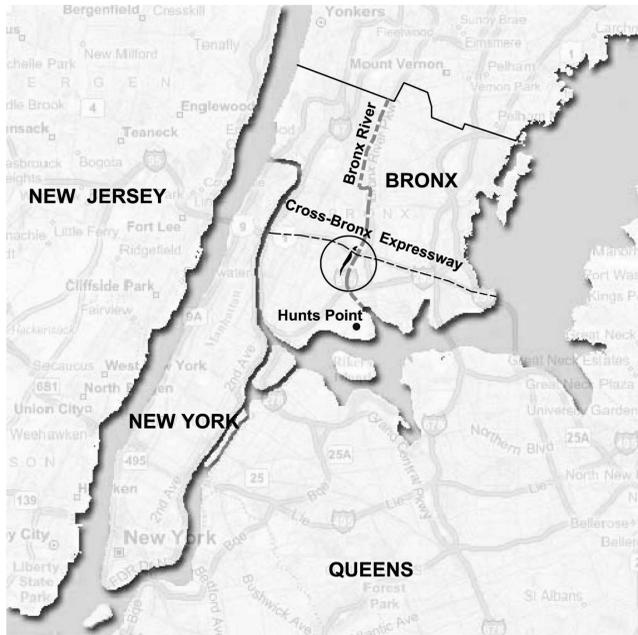
**Cover Sheet**

Date May 7, 2013  
Scale 12" = 1'-0"  
Drawn By Author  
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Project No. 1130.00  
Sheet No. \_\_\_\_\_



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NTS**

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NTS**

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**Landscape**

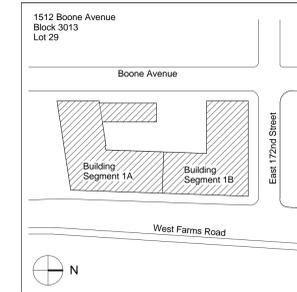
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Revisions

**DOB # 220210368-BX**



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**Drawing Index, Location  
Map and Area Map**

Date May 7, 2013  
Scale 12" = 1'-0"  
Drawn By Author  
Checked By Checker  
Project No. 1130.00 Seal  
Sheet No. **A-001.00**







View Along West Farms Road and 172nd Street Looking South



View Along West Farms Road and Sheridan Expressway Looking North



View Along Boone Avenue at Building 1B Entrance



View Along Boone Avenue at Mid-block Open Area looking East

**Compass Residences**

PHASE I  
1512 Boone Avenue  
Bronx, New York

Monadnock Development, LLC  
155 3rd Street  
Brooklyn, NY 11231

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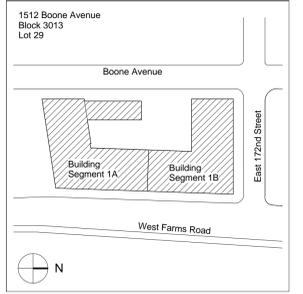
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**3d Views**

Date May 7, 2013

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General Information

Address: 1512 Boone Avenue, Bronx, New York
Block: 1130
Lots: 29
# Stories: 15

Occupancy and Construction Class

Occupancy: The Building is Classified as Occupancy Group R-2 (BC 310.1.2), Class A Multiple Dwelling per Section 27-2004 (a) of the New York City Housing Maintenance Code.

Table with 2 columns: Building Occupancy, Occupancy Group. Rows include Residential (R-2), Retail (M), and Parking Garage (S-2).

Construction Classification: 1-B (BC Table 601)

Inspections and Separate Applications

Special Inspection Items per TR-1 (Technical Report of Responsibility)

Table with 2 columns: Item, Code/Section. Lists items like Emergency Power Systems, Concrete Cast-In-Place, Masonry, etc.

Progress Inspection Items

Table with 2 columns: Item, Code/Section. Lists items like Footings and Foundations, Energy Code Compliance, etc.

Special Inspection Items per TR-8 (Technical Report Statement of Responsibility for Energy Code Progress Inspections)

Table with 2 columns: Item, Code/Section. Lists items like Insulation placement and R values, Fenestration thermal values and ratings, etc.

Separate Applications

Table with 2 columns: Item, Code/Section. Lists applications like Builder's Pavement Plan, Site Safety Plan, Elevator, etc.

Noise Control Notes

Noise control: The work shall comply with requirements for noise control in multiple dwellings (BC 1207 and Sec. 84 MDL).

- 1. Walls and ceilings separating dwelling units from other spaces and other dwelling units to be minimum Lab STC of 50 per BC 1207.2 and dwelling unit doors shall have a minimum Lab STC of 35.
2. Minimum Lab IIC for floor assemblies separating dwelling units from other spaces and other dwelling units shall be ICC or 50 per BC 1207.3
3. Refuse chutes shall be free of direct contact with shaft enclosure and shall be supported on isolators per BC 1207.3.1
4. Mechanical equipment noise: shall comply with BC1207

Comply with Noise Attenuation Requirements as per Restrictive Declaration for the Large-Scale General Development as recorded with the NYC Office of the City Register. -CRFN # 2011000423714. -Document ID # 2011111700747001Register

High Rise Notes

- BC 403.1 Building is classified as a high rise building exceeding 125'
BC 403.2 Building is fully sprinklered
BC 403.5 Fire detection system shall be provided per BC907.2.12.1
BC 403.6 Emergency voice/alarm communications shall be provided per BE 907.2.12.2
BC 403.8 Fire Command center per BC 911 shall be provided
BC403.9.2/403.15 Elevator shafts and stairs walls are impact resistant construction
BC 403.11 Emergency power is provided for exit signs and egress illumination, one elevator serving all floors, emergency voice communication and fire pumps where power is not taken ahead of the main switch. Gas generator is provided.
BC 403.1.2 Stair doors shall be operable from both sides

General Notes

- 1. Permits and compliance: All work shall conform to and be performed in strict accordance with the Contract Documents, the 2008 NYC Construction Codes: Building Code (BC), Plumbing Code (PC), Mechanical Codes (MC), Fuel Gas Code (FGC) and Electrical Code (EC) of the City of New York; the New York City Housing Maintenance Code (HMC); the New York State Multiple Dwelling Law (MDL); the New York City Energy Conservation Construction Code; and all other regulations having jurisdiction. The Contractor shall obtain all required permits prior to commencement of the work.
2. Conditions affecting the work: Before proceeding with the work, the Contractor and sub-contractors shall thoroughly examine conditions at the project site to assure that the work can proceed in accordance with the contract documents. conditions found which will adversely affect the work shall be reported to the Owner's Representative and the Architect prior to proceeding with the work.
3. Notification of adjacent property owners: Five days prior notice shall be given by the Contractor to the owner of each adjoining lot affected by foundation, earthwork or demolition work as per BC Sec. 3304.3.2
4. Commencement of operations: At least 24 hours written notice shall be given by the contractor to the Commissioner of Buildings before commencing of work per BC105.5.1. Special inspection items require 72 hours prior written notice to persons responsible for inspection (BC Chap.1, Administrative Code, Sec. 28-116.2.3.)
5. Reference datum: Elevations refer to Bronx Borough reference datum per BC Chap.1, Administrative Code, 28-104.7.6.
6. Survey and borings: Survey and sub-surface test borings are provided for information only. Dattner Architects is not responsible for the accuracy or completeness of information contained in the survey or test borings prepared by others.
7. Dimensions: Unless otherwise shown or indicated, dimensions shown on architectural plan drawings are indicated to face of masonry or face of studs. Thickness of applied wall finishes are indicated on details and elsewhere in the contract documents.
8. Dimensions verification: Before proceeding with the work, the contractor and sub-contractors shall verify elevation datum and all dimensions. any dimensional variations between field conditions and proposed new work which will adversely affect the work shall be reported to the Owner's Representative and the Architect prior to proceeding with the work. Do not scale drawings; written dimensions take precedence.
9. Construction classification: The construction classification of this building is construction group "I" non-combustible, class "I-B". All construction elements shall be of the required minimum fire resistance ratings outlined in Table 601 and elsewhere in the Code.
10. Separation of Occupancies: Provide fire separations or divisions between various occupancies as per BC Chap. 5, and Tables 508.2 and 508.3.3.
11. Rated Assemblies: All materials or assemblies required to have a fire resistance rating shall comply with the appropriate NYC Bldg. Dept. reference standard.
12. Materials, assemblies, equipment and methods of construction and service equipment shall meet the following requirements:
a. They shall have been acceptable prior to the effective date of the NYC Building Code of Standards and Appeals (BSA), or, NYC DOB Materials & Equipment Acceptance (MEA), or,
b. They shall have been accepted for use under the prescribed test methods as per NYC Building Code.
13. Masonry units shall conform to the Code and masonry walls and construction shall conform to BC Chapter 21. See Structural Drawings for additional information.
14. Firestopping - general: Concealed spaces with partitions, walls, floors, roofs, stairs, furring, pipe spaces, column enclosures, etc., shall be firestopped (except where concealed space is sprinklered) with non-combustible material that can be shaped, fitted and permanently secured in position as per BC 712 and BC 713.
15. Shaft enclosure: Stair, elevator and shaft enclosures shall have a 2 hour fire-resistance rating, complying with the Building Code.
16. Firestopping ducts, pipes, conduits: Duct, pipes and conduits passing through fire rated construction shall have surrounding spaces not exceeding 1/2" in width packed with firestopping material approved by the code and closed off with close-fitting metal closures. ductwork penetrations shall be protected by rated self-closing devices, per BC Sec. 712-13.
17. Work beyond street line: No work shall be performed beyond the street line prior to obtaining approval from NYC Dept. of Transportation (DOT). Permits for all work outside of the NYC street line shall be obtained by the contractor. sidewalks and street curbing shall be rebuilt in accordance with the requirements of NYC DOT.

Multiple Dwelling and Housing Maintenance Code Notes

- 1. Dwelling unit door hardware: Doors to dwelling units shall be equipped with heavy duty lock and dead bolt operable by key from outside and thumb turn from inside. Doors shall be equipped with self-closing device, chain guard, and view device (BC 1008.4.2, Sec. 51-a MDL & Sec. 27-2043 HMC).
2. Building entrance doors: Shall contain at least 5 sq. ft. glazed area, exterior lighting of entrance area will be provided. (Sec. 35, MDL & 27-2040 HMC).
3. Chimney: The work shall comply with BC Table 601 and Mechanical Code, Chapter 8.
4. Mechanical Ventilation
a. Mechanical ventilation systems shall comply with the 2008 City of New York Mechanical Code.
b. Bathrooms in dwelling units shall be ventilated in accordance with BC 1203.4.1.3, Sec. 30, 76 MDL and 27-2065 HMC.
5. Light, Heat and Ventilation
a. Minimum room dimensions meet BC 1208, Sec. 31 MDL and Sec. 27-2074 HMC.
b. Apartment windows shall conform to BC 1205.2 and 1203.4; have a transmittal area equal to 10% of room area; and have an operable area equal to 5% of the room area (Sec. 31 to 5 MDL).
c. Heating requirements shall comply with BC 1204 and Sec. 79 MDL
d. Stairs and public halls shall be artificially lit per Sec. 37 MDL and 27-2038-9 HMC.
6. Smoke Detectors: Hardwired smoke detectors shall be provided in dwelling units and mechanical/electrical rooms per BC 907.2.10.1.1 and 27-2045 HMC. in dwellings, SD's shall be no more than 15'-0" from bedroom door.
7. Carbon Monoxide Detectors: Hardwired carbon monoxide detectors shall be provided in dwelling units and boiler and gas meter rooms (BC 908.7 and 27-2045 HMC). In dwellings, CMD's shall be no more than 15'-0" from bedroom door.
8. Building and Maintenance
8.1. Combustible material within 1 ft. of cooking apparatus shall be fire protected as req'd. There shall be at least 2 ft. clear above cooking surface (Sec. 23 MDL and 27-2072 HMC).
8.2. Provide fire code type gyp. bd. for kitchen walls and ceilings (Sec. 3b MDL and 27-2072 HMC).
8.3. Installation of antennae, etc. shall comply with Sec. 62 MDL.
8.4. Roofs are provided with metal railings or masonry parapets (Sec. 62 MDL).
8.5. Rodent-Proofing: Building shall comply with BC Appendix F, Rodent-Proofing and Sec. 80 MDL.
8.6. Owner will comply with maintenance requirements (Sec. 80 MDL) and will provide janitorial services (Sec. 83 MDL and sub-2 art. 13 HMC).
8.7. Mailboxes are provided in building lobby (Sec. 57 MDL & 27-2047 HMC).
8.8. Floor signs and street numbers are provided (Sec. 27-2048.9 HMC).

Seismic Notes

The design, details, and notes are in compliance with NYC BC section 1614 - Earthquake Loads.

Flood Notes

Building is not in a Flood Zone per FEMA Flood Insurance Rate Map number 3604970084F

18. Fire resistance ratings: The minimum fire resistance ratings (in hours) required for construction elements in construction class I-B by the Code are set forth in NYC Building Code Tables 601 and 602 and as follows:

Building Construction Elements: Structural frame, includes columns, girders: 2 hr. Bearing wall - Exterior: 2 hr. Bearing wall - Interior: 2 hr. Non-bearing walls and partitions: Exterior: - fire separation < 5 ft. = 1 hr. - fire separation, from 5 ft to < 10 ft. = 1 hr. - fire separation, from 10 ft to < 30 ft. = 1 hr. - fire separation, > 30 ft. = 0 hr. Interior: - non-bearing walls and partitions = 0 hr.

Floor construction, includes supporting beams & joists: 2 hr. Roof construction, includes supporting beams & joists: 1 hr.

Shaft Enclosures, per BC 707 Enclosure of vertical exits, hoistways and shafts: 2 hr.

Fire Walls, per BC Table 705.4: 3 hr.

Fire Barriers, per BC Table 706.3.7: 2 hr.

Fire Door Protection Ratings, per BC Table 715.3 in Fire Walls and Barriers: 3 hr. in Exterior Walls: 1 1/2 hr

19. Flame-spread and Smoke Density

- 19.1. Flame spread ratings shall comply with Table 803.5.
19.2. Interior finish: residential and community areas shall be Class A, 0-25 flame spread ratings for exits, shafts, and corridors, all community use rooms on ground floor.
19.3. Class B or better, 26-75 flame spread rating within apartments.
19.4. Smoke density: No material shall be used for interior finish of exits or corridors that has a smoke developed rating greater than 25, per BC 803.1.1

20. Structural: For notes referring to live and dead loads, structural work, foundations, concrete and masonry requirements, refer to structural drawings.

21. Accessibility: Building and all units shall comply with all requirements for adaptability for people having physical disabilities as per Code and BC Appendix P.

22. Minimum Clear Story Height: Finished floor to finished ceiling in habitable rooms shall be 8'-0" minimum.

23. Excavation: Comply with OPPN #26/ 92. If any off-site fill or on-site fill in excess of 300 cubic yards is anticipated, the registered architect shall place the following note on the note sheet, "This Project Requires Fill" which shall comply with fill material Section 16-130a(4) Administrative Code and rules and regulations for operations, Section 16-131 AC for fill material operation.

24. Energy Conservation Construction: To the best of my knowledge, belief and professional judgment, these plans and specifications are in compliance with the Energy Conservation Construction Code of New York City, using Chapter 8.

25. Special & Progress Inspection items shall be performed in accordance with the applicable sections of the New York City Building Code. Inspections include but are not limited to those listed on this drawing sheet. The Contractor shall cooperate with and facilitate the work of Special Inspection Agency and Inspectors retained by the Owner. Comply with requirements of Chapter 33 of Building Code for Safeguards during construction or demolition.

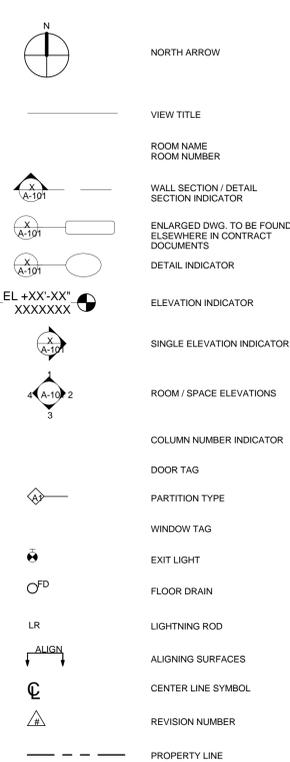
26. 2008 Building Code Designations: 26.1. Occupancy Group R-2, Residential housing, with Incidental Occupancies to R-2, per BC Chapter 5, Section 508.2, Table 508.2 Incidental Use Areas.

26.2. Occupancy Group M, Mercantile with Incidental Occupancies to M, per BC Chapter 5, Section 508.2, Table 508.2 Incidental Use Areas.
26.3. Construction Type I-B.

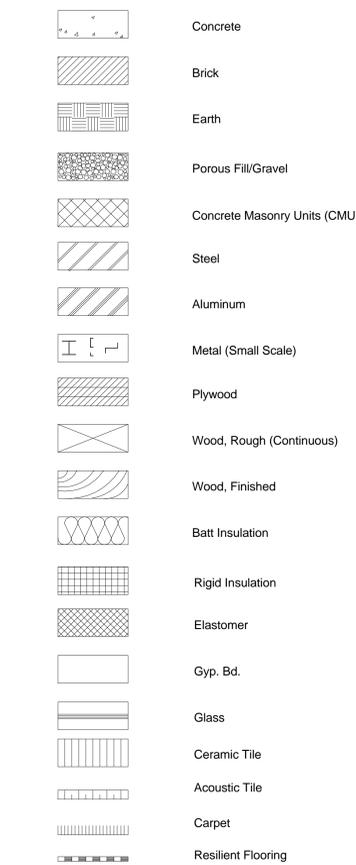
27. Allowable Height and Building Area per NYC Building Code Table 503 Allowable Height: Unlimited complies Allowable Building Area: Unlimited complies

28. A Fire Alarm System shall be provided per Section 907.2.9.13. The Automatic Sprinkler protection shall be connected to the Fire Alarm System per Section 907.2. Smoke Detectors shall be provided in accordance with NYC Building Code Section 907.12.1. Smoke Detectors shall be connected to an automatic fire alarm system. per 907.2.12.1

Symbols



Materials



Standard Abbreviations

Table with 2 columns: Abbreviation, Full Name. Lists abbreviations like ABV, ACOUST., A.D., ADJUST., etc.

Compass Residences

PHASE I

1512 Boone Avenue Bronx, New York

Monadnock Development, LLC 155 3rd Street Brooklyn, NY 11231

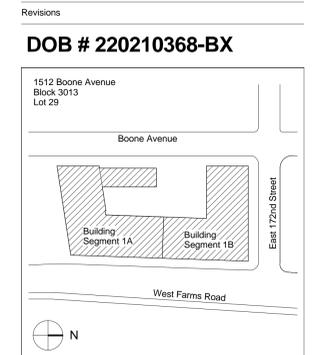
Industco Holdings, LLC 853 Broadway, Suite 2014 New York, New York 10003

DattnerArchitects 1385 Broadway, 15th Floor New York, NY 10018 tel 212 247 2660 info@dattner.com

Structural Engineers De Nardis Engineering, LLC 15 Reservoir Road White Plains, NY 10603-2516 tel 914-948-8844 fax 914-948-8668

Mechanical/Electrical/Plumbing Engineers Abraham Joselow Consulting Engineers 45 West 34th Street, Suite 1101 New York, NY 10001 tel 212-736-2584 fax 212-736-0241

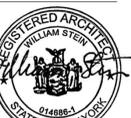
Landscape Architect Starr Whitehouse Landscape Architects, LLC 80 Maiden Lane, Suite 1901 New York, New York 10038 tel 212-487-3272 fax 212-487-3273



Key Plan © 2013 Dattner Architects D.P.C.

General Notes, Abbreviations, DOB Notes

Date: May 7, 2013 Scale: As indicated Drawn By: EV Checked By: WS Project No.: 1130.00 Sheet No.: G-001.00



G-001.00

**NOTES TO USERS**

This map is for use in administering the National Flood Insurance Program. It does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size. The community map repository should be consulted for possible updated or additional flood hazard information.

To obtain more detailed information in areas where **Base Flood Elevations (BFEs)** and/or **floodways** have been determined, users are encouraged to consult the Flood Profiles and Floodway Data and/or Summary of Stillwater Elevations tables contained within the Flood Insurance Study (FIS) report that accompanies this FIRM. Users should be aware that BFEs shown on the FIRM represent rounded whole-foot elevations. These BFEs are intended for flood insurance rating purposes only and should not be used as the sole source of flood elevation information. Accordingly, flood elevation data presented in the FIS report should be utilized in conjunction with the FIRM for purposes of construction and/or floodplain management.

**Coastal Base Flood Elevations (BFEs)** shown on this map apply only to landward of 0.0' National Geodetic Vertical Datum of 1929 (NGVD 29). Users of this FIRM should be aware that coastal flood elevations are also provided in the Summary of Stillwater Elevations tables in the Flood Insurance Study report for this jurisdiction. Elevations shown in the Summary of Stillwater Elevations tables should be used for construction and/or floodplain management purposes when they are higher than the elevations shown on this FIRM.

Boundaries of the **floodways** were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the National Flood Insurance Program. Floodway widths and other pertinent floodway data are provided in the Flood Insurance Study report for this jurisdiction.

Certain areas not in Special Flood Hazard Areas may be protected by flood control structures. Refer to Section 2.4 "Flood Protection Measures" of the Flood Insurance Study report for information on flood control structures for this jurisdiction.

The **projection** used in the preparation of this map was New York State Plane FIPS ZONE 3104. The **horizontal datum** was NAD 83, GRS80 spheroid. Differences in datum, spheroid, projection or State Plane zones used in the production of FIRMs for adjacent jurisdictions may result in slight positional differences in map features across jurisdiction boundaries. These differences do not affect the accuracy of this FIRM.

Flood elevations on this map are referenced to the National Geodetic Vertical Datum of 1929. These flood elevations must be compared to structure and ground elevations referenced to the same vertical datum. For information regarding conversions between the National Geodetic Vertical Datum of 1929 and the North American Vertical Datum of 1988, visit the National Geodetic Survey website at <http://www.ngs.noaa.gov> or contact the National Geodetic Survey at the following address:

NGS Information Services  
NOAA, NNGS12  
National Geodetic Survey  
SSMC-3, #9202  
1315 East West Highway  
Silver Spring, Maryland 20910-3162  
(301) 713-3242

To obtain current elevation, description, and/or location information for bench marks shown on this map, please contact the Information Services Branch of the National Geodetic Survey at (301) 713-3242, or visit its website at <http://www.ngs.noaa.gov>.

**Base map** information shown on this FIRM was provided in digital format by the Department of Information Technology and Telecommunication, City of New York. This information was derived from digital orthophotos produced at a scale of 1:1,200 with 2-foot pixel resolution from photography dated 2004.

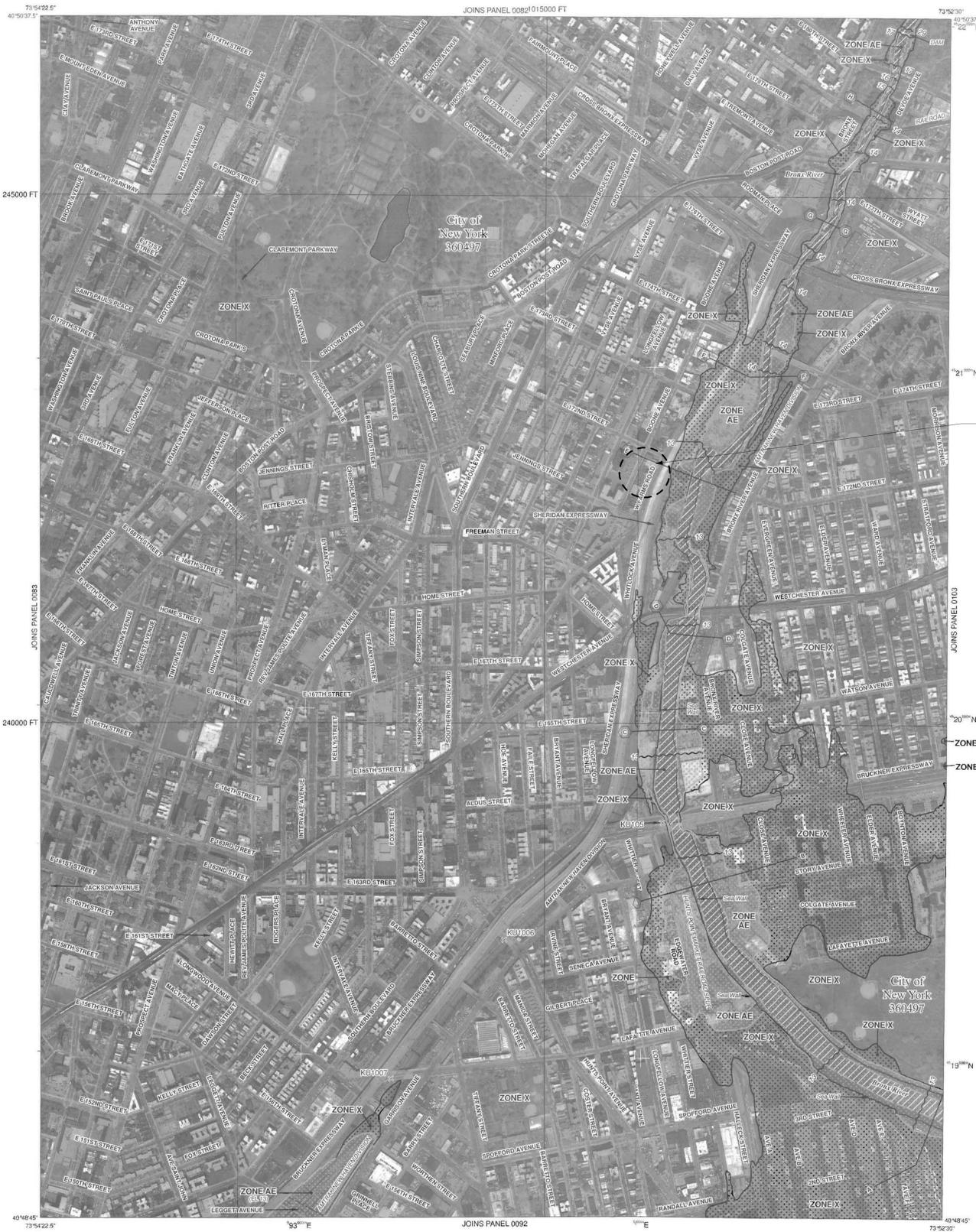
Based on updated topographic information, this map reflects more detailed and up-to-date stream channel configurations and floodplain delineations than those shown on the previous FIRM for this jurisdiction. As a result, the Flood Profiles and Floodway Data tables in the Flood Insurance Study Report (which contains authoritative hydraulic data) may reflect stream channel distances that differ from what is shown on this map. Also, the road to floodplain relationships for unrevised streams may differ from what is shown on previous maps.

**Corporate limits** shown on this map are based on the best data available at the time of publication. Because changes due to annexations or de-annexations may have occurred after this map was published, map users should contact appropriate community officials to verify current corporate limit locations.

Please refer to the separately printed **Map Index** for an overview map showing the layout of map panels for this jurisdiction.

Contact the **FEMA Map Service Center** at 1-800-358-9616 for information on available products associated with this FIRM. Available products may include previously issued Letters of Map Change, a Flood Insurance Study report, and/or digital versions of this map. The FEMA Map Service Center may also be reached by Fax at 1-800-358-9620 and its website at <http://msc.fema.gov>.

If you have **questions about this map** or questions concerning the National Flood Insurance Program in general, please call 1-877-FEMA MAP (1-877-336-2627) or visit the FEMA website at <http://www.fema.gov>.



**LEGEND**

**SPECIAL FLOOD HAZARD AREAS SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD**

The 1% annual flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE, AH, AO, AR, A99, V, and VE. The Base Flood Elevation is the water-surface elevation of the 1% annual chance flood.

**ZONE A** No Base Flood Elevations determined.

**ZONE AE** Base Flood Elevations determined.

**ZONE AH** Flood depths of 1 to 3 feet (usually areas of ponds); Base Flood Elevations determined.

**ZONE AO** Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.

**ZONE AR** Special Flood Hazard Area formerly protected from the 1% annual chance flood by a flood control system that was subsequently decertified. Zone AR indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood.

**ZONE A99** Area to be protected from 1% annual chance flood by a Federal flood protection system under construction; no Base Flood Elevations determined.

**ZONE V** Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations determined.

**ZONE VE** Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.

**FLOODWAY AREAS IN ZONE AE**

The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights.

**OTHER FLOOD AREAS**

**ZONE X** Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile and areas protected by levees from 1% annual chance flood.

**OTHER AREAS**

Areas determined to be outside the 0.2% annual chance floodplain. Areas in which flood hazards are underestimated, but possible.

**COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS**

**OTHERWISE PROTECTED AREAS (OPAs)**

CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.

1% annual chance floodplain boundary

0.2% annual chance floodplain boundary

Floodway boundary

Zone D boundary

CBRS and OPA boundary

Boundary dividing Special Flood Hazard Area Zones and boundary dividing Special Flood Hazard Areas of different Base Flood Elevations, flood depths or flood velocities.

Base Flood Elevation line and value; elevation in feet\* (EL. 987)

Base Flood Elevation value where uniform within zone; elevation in feet\*

\* Referenced to the National Geodetic Vertical Datum of 1929

○ Cross section line

— Transient line

87°07'45", 32°22'30"

78°00'N

600000 FT

DXS510 x

● M1.5

River Mile

**MAP REPOSITORY**

Refer to listing of Map Repositories on Map Index.

INITIAL NFIP MAP DATE: June 28, 1974

FLOOD HAZARD BOUNDARY MAP REVISIONS: June 11, 1979

FLOOD INSURANCE RATE MAP EFFECTIVE: November 18, 1983

FLOOD INSURANCE RATE MAP REVISIONS: September 9, 2007 - to change Special Flood Hazard Areas, to reflect updated topographic information, and to update map format.

To determine if flood insurance is available in this community, contact your Insurance agent or call the National Flood Insurance Program at 1-800-438-6420.

**MAP SCALE 1" = 500'**

250 0 250 500 1000 FEET

150 0 150 300 METERS

**Compass Residences**

PHASE I  
1512 Boone Avenue  
Bronx, New York

Monadnock Development, LLC  
155 3rd Street  
Brooklyn, NY 11231

Industco Holdings, LLC  
853 Broadway, Suite 2014  
New York, New York 10003

DattnerArchitects 1385 Broadway, 15th Floor  
New York, NY 10018  
tel 212 247 2660  
info@dattner.com

Structural Engineers  
De Nardis Engineering, LLC  
15 Reservoir Road  
White Plains, NY 10603-2516  
tel 914-948-8844  
fax 914-948-8868

Mechanical/Electrical/Plumbing Engineers  
Abraham Joselow Consulting Engineers  
45 West 34th Street, Suite 1101  
New York, NY 10001  
tel 212-487-3274  
fax 212-736-0241

Landscape Architect  
Landscape Architects, LLC  
80 Maiden Lane, Suite 1901  
New York, New York 10038  
tel 212-487-3273  
fax 212-487-3273

**NATIONAL FLOOD INSURANCE PROGRAM**

PANEL 0084F

**FIRM**

FLOOD INSURANCE RATE MAP

CITY OF NEW YORK, NEW YORK, BRONX, RICHMOND, NEW YORK, QUEENS, AND KINGS COUNTIES

PANEL 84 OF 457

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS: COMMUNITY NUMBER PANEL SUFFIX  
NEW YORK CITY OF 360497 0084 F

Notice to User: The Map Number shown below should be used when filing map orders; the Community Number shown above should be used on insurance applications for the subject community.

**MAP NUMBER 3604970084F**

**MAP REVISED SEPTEMBER 5, 2007**

Federal Emergency Management Agency

Revisions

**DOB # 220210368-BX**

1512 Boone Avenue  
Block 3013  
Lot 29

Boone Avenue

Building Segment 1A Building Segment 1B

East 172nd Street

West Farms Road

Key Plan

© 2013 Dattner Architects D.P.C.

**Flood Insurance Rate Map**

Date May 7, 2013

Scale

Drawn By EV

Checked By WS

Project No. 1130.00 Seal

Sheet No. **G-002.00**

REGISTERED ARCHITECT  
WILLIAM STEIN  
6148654  
STATE OF NEW YORK

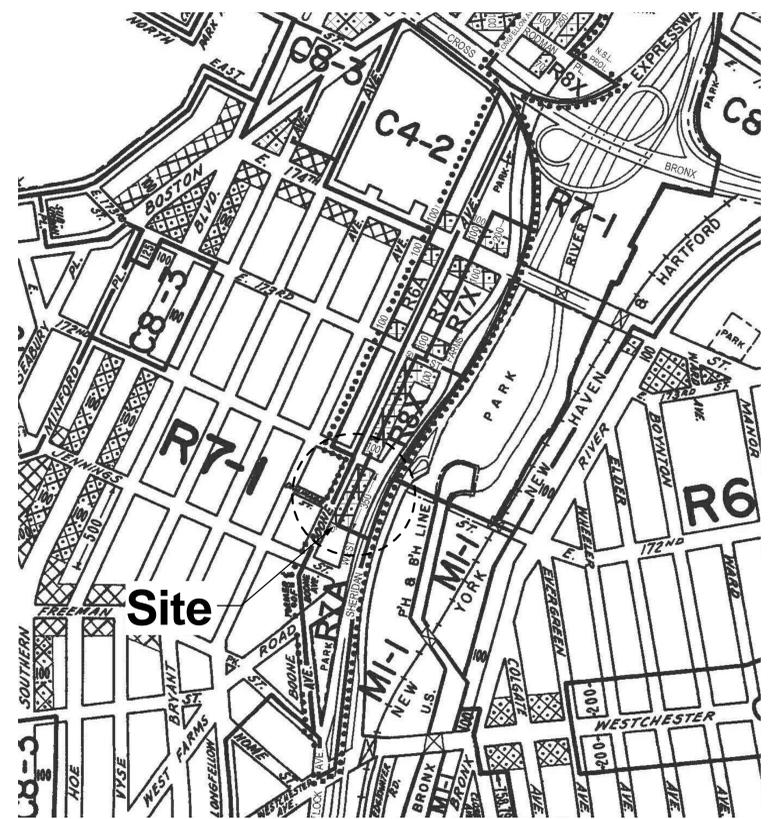
According to FEMA Flood Insurance Rate Map #3604970084F, this property is not located within a Special Flood Hazard Area





ZR Sec. No.	ITEM	BLOCK 3013-N ***	NOTES
	Zoning District	R8XC2-4	R7A/C2-4
	Lot Area	25,502	16,375
	Block Lot Area		41,877
ZR 22-00	Uses Permitted	UG 1-9 & 14	UG 1-9 & 14
ZR 22-00	Uses Proposed	UG 2-4 & 6	UG 2-4 & 6
ZR 33-121	FAR Permitted		
ZR 33-121	Commercial FAR	2.00	2.00
ZR 23-952	Residential Base FAR	5.40	3.45
ZR 23-952	Residential Maximum FAR *	7.20	4.60
	<b>Floor Area Permitted as per Large-Scale General Development</b>		
ZR 33-121	Commercial Area Permitted per Zoning District	3,852	7,893
ZR 33-121	Maximum Commercial Area per Zoning Lot		11,745
ZR 23-952	Residential Floor Area (Inclusionary) per District	186,042	49,891
ZR 23-952	Maximum Residential Area per Zoning Lot		235,933
ZR 77-02	Maximum Floor Area per Zoning Lot		235,933
ZR 33-121	<b>Floor Area Proposed</b>		
ZR 33-121	Commercial Floor Area Proposed per District	1,180	3,752
ZR 33-121	Total Commercial Floor Area Proposed per Zoning Lot		4,932
ZR 24-11	Community Facility at Ground Floor	0	0
ZR 24-11	Community Facility above Ground Floor	0	0
ZR 23-952	Residential Floor Area (Inclusionary) Proposed per Zoning Lot	177,236	46,201
ZR 23-952	Total Floor Area Proposed per Zoning Lot		223,237
ZR 77-02	<b>Inclusionary Housing Proposed</b>		
ZR 23-952	Total Proposed Floor Area per Zoning Lot		228,169
ZR 23-952	Commercial at Ground Floor		4,932
ZR 23-952	Minimum Inclusionary Housing Required per Zoning Lot (Total Floor Area Minus Ground Floor Non-Residential Uses) x 20%		223,237
ZR 23-952	Inclusionary Housing Provided per Zoning Lot		44,647
	<b>Note:</b>	See Drawing G-020A for Inclusionary Housing Requirements	
ZR 23-22	Dwelling Units (DUs) Permitted		
ZR 23-22	Dwelling Unit Factor	740	680
ZR 23-26	Max. Permitted Residential FAR	7.20	4.60
ZR 77-02	Proposed Commercial FAR	0.05	0.23
ZR 77-02	Max. Residential FAR	7.20-0.05	4.60-0.23
ZR 77-02	Max. Residential Floor Area	7.15 x 25,502 = 182,084	4.37 x 16,375 = 72,050
ZR 77-02	Max. No. of DUs Permitted	182,084 / 740 = 246	72,050 / 680 = 106
ZR 77-02	Max. No. of DUs Permitted per Zoning Lot		352
ZR 23-22	<b>Dwelling Units (DUs) Proposed</b>		
ZR 23-22	Max. No. of DUs Proposed		61
ZR 77-02	Max. No. of DUs Proposed per Zoning Lot	176	237
	<b>Lot Coverage Permitted as per Large-Scale General Development</b>		
ZR 23-952	Maximum Lot Coverage Permitted per Zoning Lot	35,213	As per NYC Council Resolution #1075-2011
	<b>Note:</b>	Lot coverage permitted percentage is an adjusted blend of R7A and R8X lot permitted coverages pursuant ZR-77-24	
	<b>Lot Coverage Proposed</b>		
ZR 23-952	Lot Coverage Proposed per Zoning Lot	30,614	Complies as per NYC Council Resolution #1075-2011 See Modifications 1(a) and 1(b)
ZR 23-53 & ZR 23-51(b)	<b>Yard Regulations</b>		No yards required
ZR 23-633, ZR 23-954(a)(1) & ZR 35-24	<b>Height, Setback &amp; Streetwall Regulations</b>		Complies as per NYC Council Resolution #1075-2011 See Modifications 1(c) and 1(d)
ZR 23-90	<b>Court Regulations</b>		Complies as per NYC Council Resolution #1075-2011 See Modification 1(e)
ZR 25-23	<b>Required Parking</b>		
ZR 25-25	Commercial Parking Required	1,180/1,000 = 2	3,752/1,000 = 4
ZR 36-20	Residential Parking Required	58 x 0.25 = 14.5	30 x 0.25 = 7.5
ZR 36-20	Parking Required per Zoning Lot	118 x 0.15 = 17.7	31 x 0.15 = 4.7
ZR 36-20	Permitted Parking		(20,179 / 200) = 101
ZR 36-20	Proposed Parking		71
ZR 28-40	<b>Bicycle Parking Required</b>		
ZR 28-40	Required Bicycle Parking for Residential Use- 1 per 2 Dwelling Units	237 units/2 = 119 spaces required	
ZR 28-40	Minimum 6 sf / Bicycle Parking Space	119 x 6 sf = 714 sf required	
ZR 28-40	Required Bicycle Parking for Commercial Use- 1 per 10,000 SF	4,932 / 10,000 = 0.5 spaces required	
ZR 28-40	Bicycle Parking Required per Zoning Lot	1 x 6 sf = 6 sf required	
ZR 28-40	Proposed Bicycle Parking per Zoning Lot	119 spaces	
ZR 28-40	Proposed Bicycle Parking per Zoning Lot	1,154 sf	
ZR 28-41	<b>Street Trees Required</b>		
ZR 28-41	Zoning lot frontage	332' + 136' + 313' = 781'	
ZR 28-41	Trees Required	781 / 25 = 31	
ZR 28-41	Street Trees Provided	12	
ZR 28-41	Trees Proposed on site	19	
ZR 28-41	Total Trees Proposed	31	
ZR 28-21	<b>Quality Housing Program</b>		
ZR 28-21	Dwelling Unit Size	400 sf	
ZR 28-21	Minimum Provided	446 sf	
ZR 28-22	<b>Windows</b>		
ZR 28-22	All residential windows to be double glazed		
ZR 28-23	<b>Refuse Storage and Disposal</b>		
ZR 28-23	Storage required at 2.9 cf per unit	2.9 cf x 237 DUs = 687 cf	
ZR 28-23	Storage provided	2,304 cf	
ZR 28-23	Minimum to be provided on each residential floor	12 sf	
ZR 28-23	12 sf of each disposal room can be excluded from floor area		
ZR 28-23	All disposal rooms exceed 12 sf		
ZR 28-25	<b>Daylight in Corridors</b>		
ZR 28-25	50% of corridor may be deducted if a window of a min. of 20 sf is directly visible from the vertical circulation core	Window 20 sf minimum provided at all residential floors	
ZR 28-31	<b>Recreation Space</b>		
ZR 28-31	Percentage Required by Zoning District	2.8% x 176,058 sf = 4,963 sf	3.3% x 46,074 sf = 1,525 sf
ZR 28-31	Area required by Zoning District		6,487 sf
ZR 28-31	Total Provided by Zoning Lot		1,688 sf
ZR 28-31	Exterior recreation space provided by zoning lot		8,028 sf
ZR 28-31	Total Provided by Zoning Lot		9,716 sf
ZR 28-32	<b>Standard of Recreation Space</b>		
ZR 28-32	Accessible to residential portion of building only		
ZR 28-32	Minimum dimension to be 15'		
ZR 28-32	Minimum interior area to be 300 sf and have 9.5% windows		
ZR 28-32	Minimum exterior area to be 225 sf		
ZR 28-41	<b>Density per Corridor</b>		
ZR 28-41	R8XC2-4: If 10 or fewer units are served by vertical circulation core, 50% of corridor is excluded from floor area	Deduction applies to 10th to 15th Floors of Building 1B	

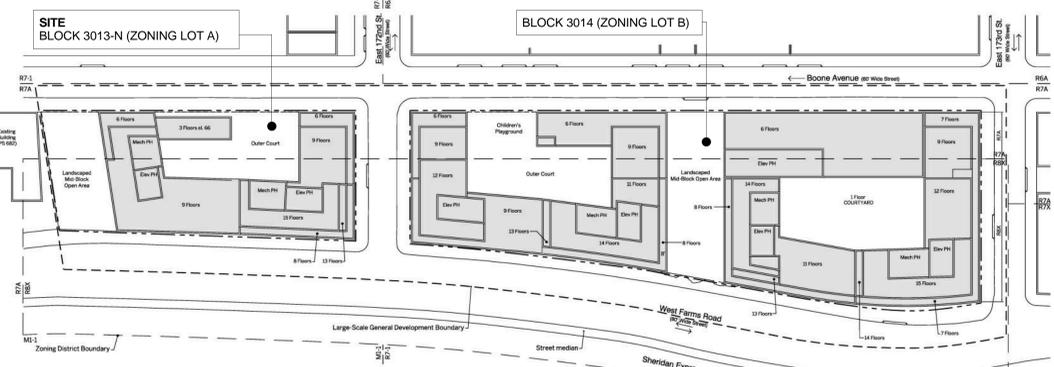
1 Zoning Analysis NTS



2 Zoning Map # 3D Excerpt NTS

ULURP #	NYC Council Resolution #	Scope	Amended Zoning Text or Map	Reference
C 100310 ZMX 00/00/2011	1073	Zoning Map Amendment changing: -M1-1 District to R6A, R6A/C2-4, R7A, R7A/C2-4, RTX, R7X/C2-4, R8X, & R8X/C2-4 -R7-1 TO R8X & R8X/C2-4; and -R7-1/C2-4 TO R8X/C2-4	Bronx Zoning Map 3D	Bronx Zoning Map 3D
C 100311 ZRX 00/00/2011	1074	Zoning Text Amendment to establish Inclusionary Housing designated areas in community Districts 3 and 6		Appendix F; ZR 74-743
C 100312 ZSX 00/00/2011	1075	Special Permit to allow the distribution of total allowable floor area, dwelling units and lot coverage without regard for zoning lot line and zoning district boundaries; to allow location of buildings without regard for the applicable height and setback and court regulations; to allow the location of portions of a building containing permitted or required accessory off-street parking spaces to be excluded from the calculation of lot coverage.		ZR 74-743 ZR 23-63 Maximum Height of Walls and Required Setbacks. ZR 23-85 Inner Court Regulations
C 100313 ZSX 00/00/2011	1076	Special Permit to allow distribution of required or permitted accessory off-street parking spaces without regard for zoning lot lines within a Large-Scale General Development.		ZR 74-745
C 110297 ZSX 00/00/2011	1077	Special Permit to allow residential and non-residential uses to be arranged within a building without regard for the use regulation set forth in Section 32-42 within a Large-Scale General Development.		ZR 74-744
C 110234 HAX 00/00/2011	1078	UDAAP Designation and project approval and disposition of City Owned Property at 1525 West Farms Road (Block 3014, Lot 45), Bronx, NY		

3 Zoning Actions NTS



4 Large-Scale General Development Key Plan NTS (NOTE: ZONING LOT B IS NOT PART OF THIS APPLICATION)

ZONING NOTES:

- The site was rezoned from a manufacturing district to residential districts with commercial overlay in October 2011. As part of the rezoning, the site was designated as a Large-Scale General Development (LSGD) and certain Special Permits were granted to facilitate the development.
- The site is zoned R7A along Boone Avenue and R8X along West Farms Road, with a C2-4 overlay. It is located on Zoning Map #3D. This project is being developed under the Quality Housing Program.
- 100% of the dwelling units will be affordable.
- Refer to the Restrictive Declaration of the Large-Scale General Development as recorded with the NYC Office of the City Register. -CRFN # 2011000423714. -Document ID # 2011111700747001

NEW YORK CITY COUNCIL SPECIAL PERMIT ACTIONS

See Zoning Actions chart below for ULURP Land Use application numbers and City Council Actions.

- LARGE-SCALE GENERAL DEVELOPMENT Special Permit pursuant to Section 74-743(a):
  - Modification of requirements of ZR 23-145 to allow residential lot coverage to be distributed without regard to corner or through lot lines.
  - Modification of requirements of ZR 23-145 to allow enclosed accessory parking to be excluded from lot coverage.
  - Modification of requirements of ZR 23-633(a)(3), ZR 23-954 (a)(1) and ZR 35-24 (b)(2) in regards to street wall location.
  - Modification of requirements of ZR 23-633(b), ZR 23-633 (c), ZR 23-954 (a)(1), ZR 35-24 (c) and ZR 35-24 (d) in regards to minimum and maximum base height, setback and maximum building height requirements.
  - Modification of requirements of ZR 23-843 to allow outer court recesses with more than the permitted depth.
  - Modification of requirements of ZR 23-17, ZR 23-26, ZR 23-952, ZR 35-31 and ZR 77-02 to allow distribution of residential floor area between R7A and R8X residential districts.
- LARGE-SCALE GENERAL DEVELOPMENT Special permit pursuant to ZR 74-744
  - Modification of requirements of ZR-32-421 regarding location of commercial uses in mixed buildings.
- LARGE-SCALE GENERAL DEVELOPMENT Special permit pursuant to ZR 74-745
  - Modification of requirements of ZR 25-51 and ZR 36-41 to allow distribution of off-street accessory parking without regard to zoning lot lines.

Compass Residences PHASE I

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185 3rd Street Brooklyn, NY 11231

Industoo Holdings, LLC  
853 Broadway, Suite 2014 New York, New York 10003

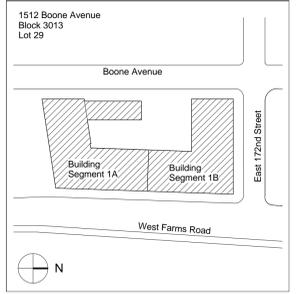
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Revisions  
DOB # 220210368-BX



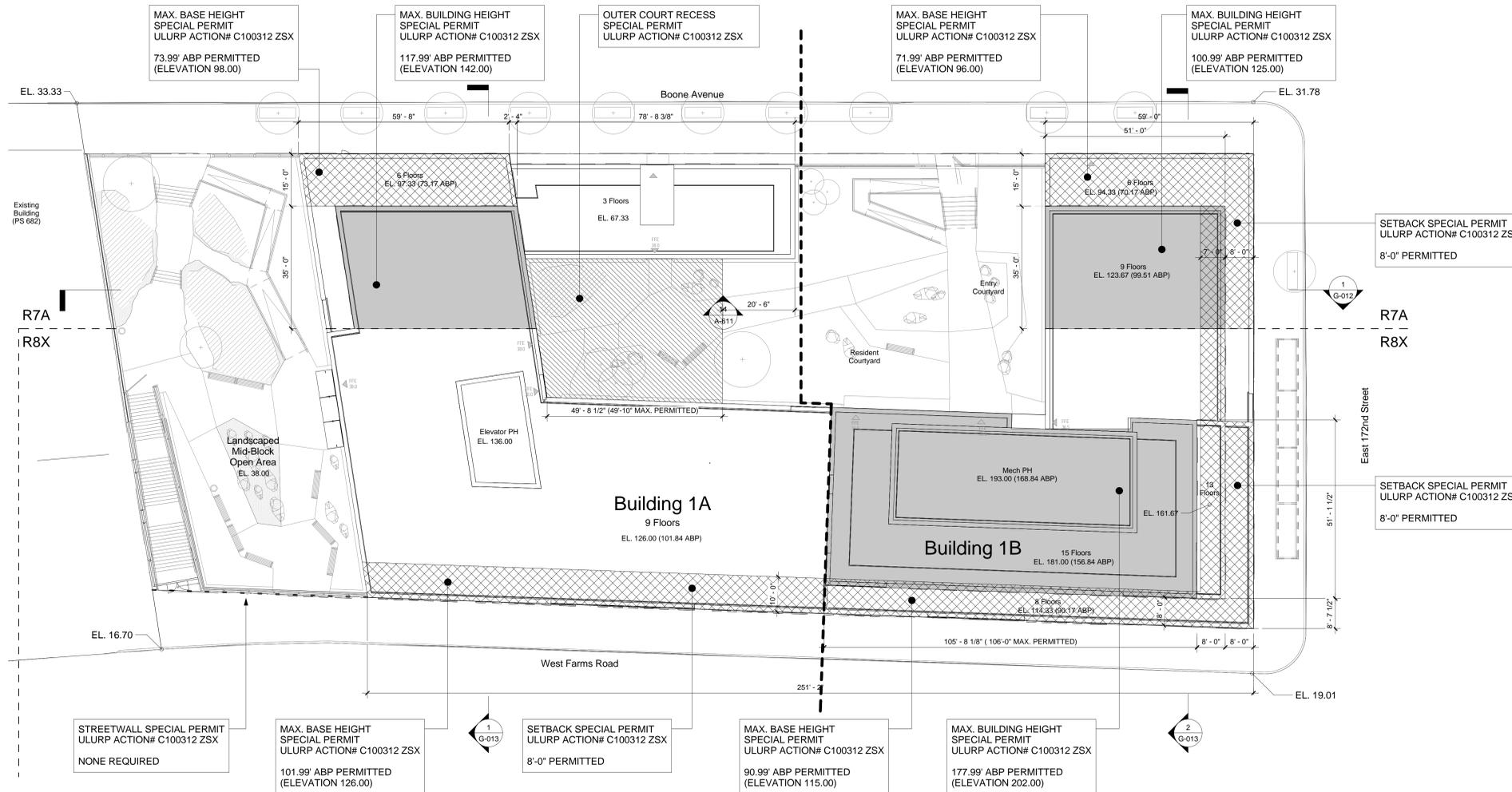
Key Plan  
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Zoning Analysis, Notes, ULURP Actions and Special Permits

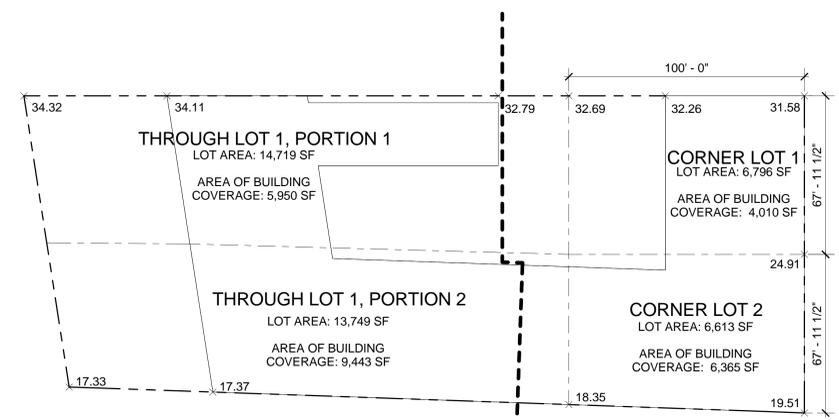
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Scale: Not to Scale  
Drawn By: EV  
Checked By: WS  
Project No.: 1130.00  
Sheet No.: Seal



G-010.00



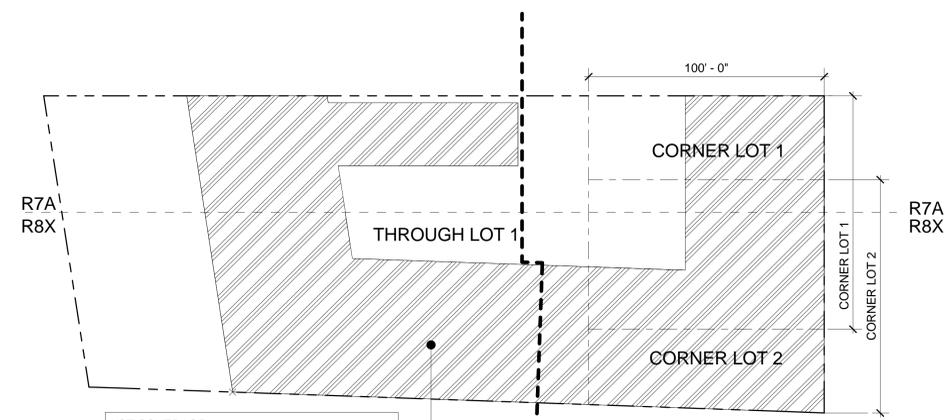
**1 Zoning Action Site Plan**  
1/16" = 1'-0"



**2 Site Plan- Base Plane Diagram**  
1" = 30'-0"

Base Line Calculation			
Through Lot Portion 1 (34.11 + 32.79) / 2 = 33.45	Through Lot Portion 2 (17.37 + 18.35) / 2 = 17.86	Corner Lot 1 (32.26 + 31.58) / 2 = 31.92 (31.58 + 24.91) / 2 = 28.25 (31.92 + 28.25) / 2 = 30.09	Corner Lot 2 (24.91 + 19.51) / 2 = 22.21 (18.35 + 19.51) / 2 = 18.93 (22.21 + 18.93) / 2 = 20.57
<b>Average Base Plane: EL. 33.45</b>	<b>Average Base Plane: EL. 17.86</b>	<b>Average Base Plane: EL. 30.09</b>	<b>Average Base Plane: EL. 20.57</b>
Adjusted Base Plane			
Through Lot Portion 1 (5,950 / 25,768) x 33.45 = 7.72	Through Lot Portion 2 (9,443 / 25,768) x 17.86 = 6.55	Corner Lot 1 (4,010 / 25,768) x 30.09 = 4.68	Corner Lot 2 (6,465 / 25,768) x 20.57 = 5.21
<b>Adjusted Base Plane: 7.72 + 6.55 + 4.68 + 5.21 = EL. 24.16</b>			

**3 Base Plane Calculations**  
NTS



**4 Site Plan- Lot Coverage Diagram**  
1" = 30'-0"

	Lot Area	R8X Lot Area	R7A Lot Area	Permitted R8X Lot Coverage *	Permitted R7A Lot Coverage *	Proposed R8X Lot Coverage	Proposed R7A Lot Coverage
Corner Lot 1	10,000 SF	5,000 SF	5,000 SF	4,000 SF (80%)	4,000 SF (80%)	4,016 SF (80.3%)	2,950 SF (59%)
Corner Lot 2	9,817 SF	8,571 SF	1,246 SF	6,857 SF (80%)	997 SF (80%)	7,424 SF (86.6%)	831 SF (66.7%)
Through Lot 1	28,468 SF	17,094 SF	11,374 SF	11,966 SF (70%)	7,393 SF (65%)	10,294 SF (60.2%)	5,099 SF (44.8%)
				<b>Maximum Lot Coverage Permitted for the Zoning Lot: 35,213 SF</b>		<b>Maximum Lot Coverage Proposed for the Zoning Lot: 30,614 SF</b>	

Note: Lot Coverage Special Permit ULURP Action #C100312 ZSX allows residential lot coverage to be distributed without regard to corner or through lot lines for the Zoning Lot

**5 Lot Coverage Calculations**  
12" = 1'-0"

**Compass Residences**

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Bronx, New York

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Brooklyn, NY 11231

Industco Holdings, LLC  
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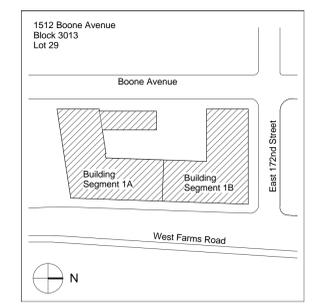
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**DOB # 220210368-BX**



Key Plan  
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**Zoning Actions Plan, Base Plane Calculation and Lot Coverage Calculations**

Date: May 7, 2013  
Scale: As indicated  
Drawn By: JP  
Checked By: EV  
Project No.: 1130.00  
Sheet No.: **G-011.00**



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# Compass Residences

PHASE I

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Bronx, New York

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155 3rd Street  
Brooklyn, NY 11231

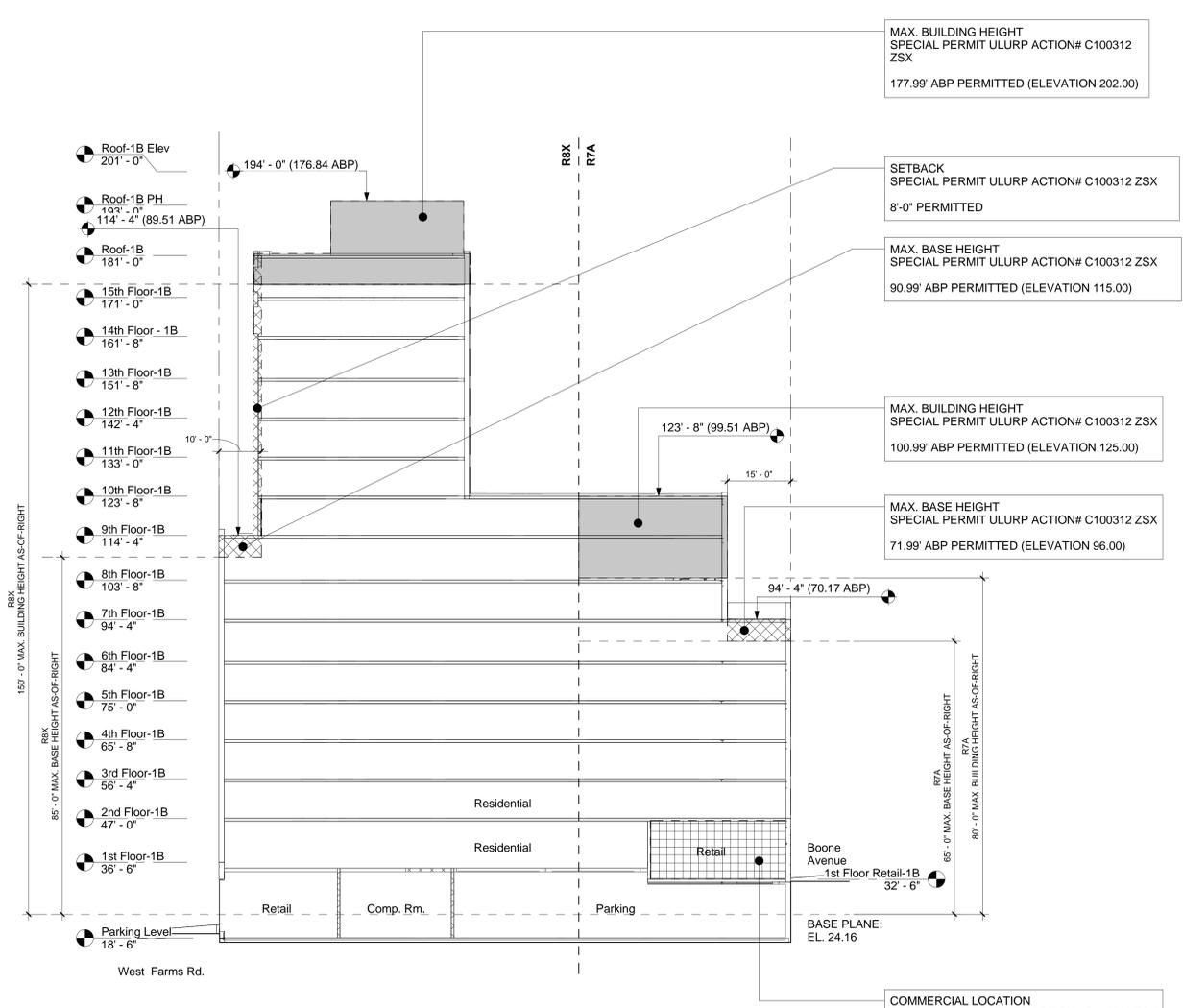
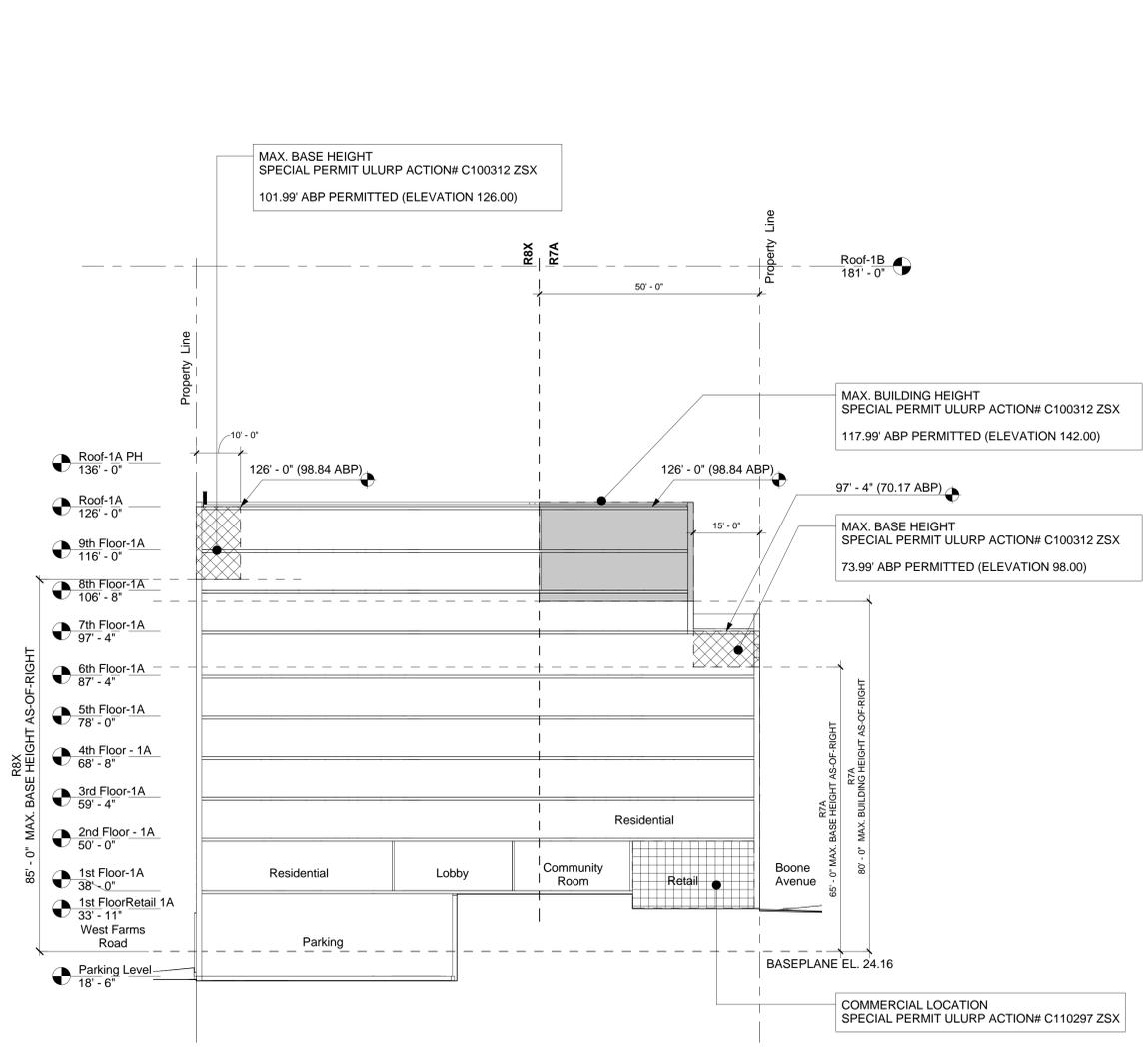
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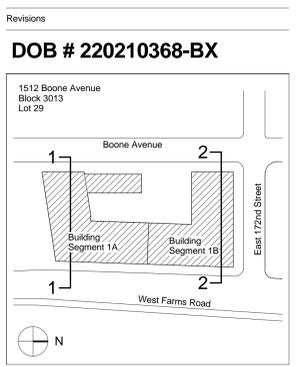
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**1 Building 1A- Section- Zoning Actions**  
1/16" = 1'-0"

**2 Building 1B- Section Zoning Actions**  
1/16" = 1'-0"

- LEGEND- ZONING ACTIONS**
- MAX. BASE HEIGHT SPECIAL PERMIT ULURP ACTION# C100312 ZSX
  - MAX. BUILDING HEIGHT SPECIAL PERMIT ULURP ACTION# C100312 ZSX
  - OUTER COURT RECESS SPECIAL PERMIT ULURP ACTION# C100312 ZSX
  - LOT COVERAGE SPECIAL PERMIT ULURP ACTION# C100312 ZSX
  - COMMERCIAL LOCATION SPECIAL PERMIT ULURP ACTION# C110297 ZSX



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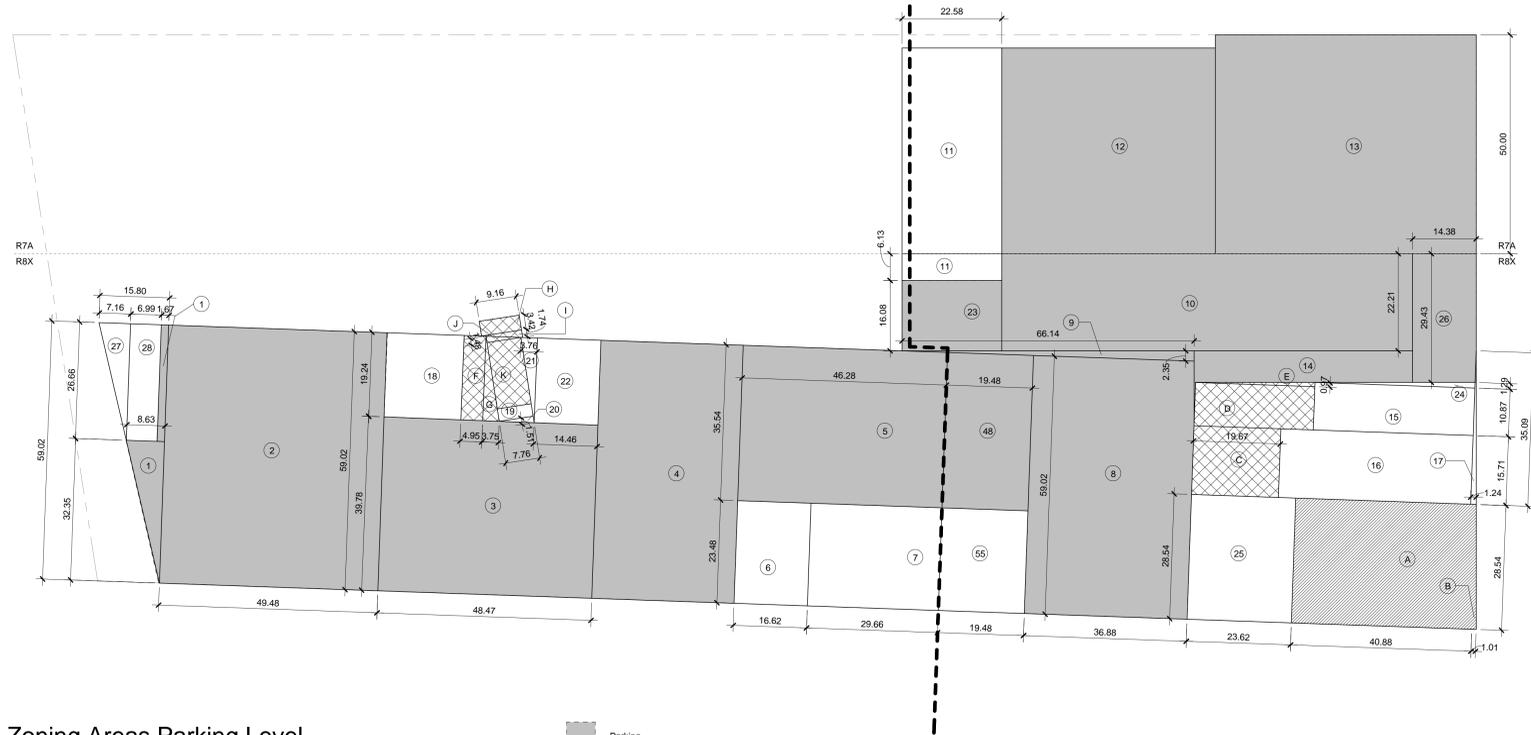
**Zoning Actions Building Sections**

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**1 Zoning Areas Parking Level**  
1/16" = 1'-0"

- Parking
- Commercial Retail Area
- Residential

**PARKING LEVEL**

Region	Use	Region Dimension	Gross Floor Area
<b>R7A</b>			
11	Cellar	22.58' x 53.13'	1,061 SF
12	Parking	50.00' x 102.40'	2,272 SF
13	Parking	50.00' x 59.08'	2,954 SF
			<b>6,287 SF</b>

Region	Use	Region Dimension	Gross Floor Area
<b>R8X</b>			
1	Parking	(15.80' x 59.02') / 2	185 SF
1	Cellar	(15.80' x 59.02') / 2	96 SF
1	Cellar	(15.80' x 59.02') / 2	186 SF
2	Parking	49.48' x 59.02'	2,920 SF
3	Parking	39.78' x 48.47'	1,924 SF
4	Parking	32.23' x 59.00'	1,902 SF
5	Parking	35.54' x 46.28'	1,645 SF
6	Cellar	16.62' x 23.52'	390 SF
7	Residential	23.48' x 29.66'	697 SF
8	Parking	36.88' x 59.02'	2,173 SF
9	Parking	(2.35' x 66.28') / 2	78 SF
10	Parking	22.21' x 102.40'	2,066 SF
11	Cellar	6.13' x 22.58'	138 SF
14	Parking	7.22' x 49.34'	359 SF
15	Cellar	15.71' x 43.60'	684 SF
16	Cellar	10.87' x 17.37'	186 SF
17	Cellar	(1.24' x 35.09') / 2	22 SF
18	Cellar	19.24' x 17.37'	336 SF
19	Cellar	2.88' x 7.76'	22 SF
20	Cellar	(1.51' x 7.76') / 2	6 SF
21	Cellar	(3.76' x 19.24') / 2	36 SF
22	Cellar	14.46' x 19.24'	280 SF
23	Parking	16.08' x 22.58'	363 SF
24	Cellar	(1.29' x 36.21') / 2	23 SF
25	Cellar	23.62' x 28.54'	674 SF
26	Parking	14.38' x 29.43'	422 SF
48	Parking	19.48' x 35.54'	692 SF
55	Residential	19.48' x 23.48'	457 SF
A	Commercial	28.54' x 40.88'	1,167 SF
B	Commercial	(1.01' x 28.53') / 2	14 SF
C	Residential	15.71' x 19.67'	309 SF
D	Residential	9.90' x 27.35'	268 SF
E	Residential	(0.97' x 27.35') / 2	13 SF
F	Residential	4.95' x 19.24'	96 SF
G	Residential	(3.75' x 19.24') / 2	36 SF
H	Residential	3.42' x 9.16'	31 SF
I	Residential	(1.74' x 9.16') / 2	8 SF
J	Residential	(1.48' x 7.76') / 2	6 SF
K	Residential	7.76' x 15.33'	119 SF
			<b>21,237 SF</b>
			<b>27,525 SF</b>

Number	Use	Dimensions	Area	Deduction Type	Deduction
<b>R7A</b>					
11	Cellar	22.58' x 47.00'	1,061 SF	Cellar	1,061 SF
12	Parking	47.00' x 48.33'	2,272 SF	Parking	2,272 SF
13	Parking	50.00' x 59.08'	2,954 SF	Parking	2,954 SF
			<b>6,287 SF</b>		

Number	Use	Dimensions	Area	Deduction Type	Deduction
<b>R8X</b>					
1	Parking	(15.80' x 59.02') / 2	185 SF	Parking	185 SF
2	Parking	49.48' x 59.02'	2,920 SF	Parking	2,920 SF
3	Parking	39.78' x 48.47'	1,924 SF	Parking	1,924 SF
4	Parking	32.23' x 59.00'	1,902 SF	Parking	1,902 SF
5	Parking	35.54' x 46.28'	1,645 SF	Parking	1,645 SF
6	Cellar	16.62' x 23.52'	390 SF	Cellar	390 SF
7	Residential	23.48' x 29.66'	697 SF	Bike Storage	697 SF
8	Parking	36.88' x 59.02'	2,173 SF	Parking	2,173 SF
9	Parking	(2.35' x 66.28') / 2	78 SF	Parking	78 SF
10	Parking	22.21' x 102.40'	2,066 SF	Parking	2,066 SF
11	Cellar	6.13' x 22.58'	138 SF	Cellar	138 SF
14	Parking	7.22' x 49.34'	359 SF	Parking	359 SF
15	Cellar	15.71' x 43.60'	684 SF	Cellar	684 SF
17	Cellar	(1.24' x 35.09') / 2	22 SF	Cellar	22 SF
18	Cellar	19.24' x 17.37'	336 SF	Cellar	336 SF
19	Cellar	2.88' x 7.76'	22 SF	Cellar	22 SF
20	Cellar	(1.51' x 7.76') / 2	6 SF	Cellar	6 SF
21	Cellar	(3.76' x 19.24') / 2	36 SF	Cellar	36 SF
22	Cellar	14.46' x 19.24'	280 SF	Cellar	280 SF
23	Parking	16.08' x 22.58'	363 SF	Parking	363 SF
24	Cellar	(1.29' x 36.21') / 2	23 SF	Cellar	23 SF
25	Cellar	23.62' x 28.54'	674 SF	Cellar	674 SF
26	Parking	14.38' x 29.43'	422 SF	Parking	422 SF
27	Cellar	(7.16' x 26.66') / 2	96 SF	Cellar	96 SF
28	Cellar	6.99' x 26.66'	186 SF	Cellar	186 SF
48	Parking	19.48' x 35.54'	692 SF	Parking	692 SF
55	Residential	19.48' x 23.48'	457 SF	Bike Storage	457 SF
			<b>19,171 SF</b>		
			<b>25,458 SF</b>		

Zoning Floor Area Parking Level Totals		
Gross Floor Area	Deduction	Zoning Floor Area
R7A		
6,287 SF	6,287 SF	0 SF
6,287 SF	6,287 SF	0 SF
<b>R8X</b>		
21,237 SF	19,171 SF	2,067 SF
21,237 SF	19,171 SF	2,067 SF
27,525 SF	25,458 SF	2,067 SF

Grand total: 43		
27,525 SF		

**Compass Residences**

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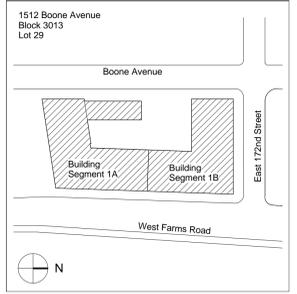
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**DOB # 220210368-BX**



Key Plan  
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**Zoning Deductions Parking Level**

Date: May 7, 2013  
Scale: 1/16" = 1'-0"  
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Project No.: 1130.00  
Sheet No.: **G-014.00**



# FIRST FLOOR

Zoning Floor Area Floor 1 Gross Area			
Region	Use	Region Dimension	Area
R7A			
A	Commercial	29.45' x 55.17'	1,625 SF
B	Commercial	4.53' x 29.45'	67 SF
C	Commercial	4.53' x 29.45'	67 SF
O	Commercial	33.80' x 59.00'	1,994 SF
P	Residential	27.00' x 76.41'	2,063 SF
Q	Residential	(4.07' x 27.00') / 2	54 SF
W	Residential	20.55' x 56.54'	1,162 SF
X	Residential	(3.16' x 20.55') / 2	32 SF
Y	Residential	(3.16' x 20.55') / 2	32 SF
Z	Residential	16.20' x 59.00'	956 SF
			<b>8,052 SF</b>

Zoning Floor Area Floor 1 Deductions				
Number	Dimension Text	Area	Deduction Type	Deduction
R7A				
1	5.00' x 7.59'	38 SF	QH / 50% Density-50% Daylighting	38 SF
2	(0.77' x 5.00') / 2	2 SF	QH / 50% Density-50% Daylighting	2 SF
32	7.33' x 24.50'	180 SF	QH / Daylighting	90 SF
35	20.55' x 24.41'	502 SF	QH Recreation Area	502 SF
36	(3.16' x 20.55') / 2	32 SF	QH Recreation Area	32 SF
43	9.55' x 30.66'	293 SF	QH / Laundry	293 SF
44	(4.73' x 30.30') / 2	71 SF	QH / Laundry	71 SF
45	(1.47' x 9.55') / 2	7 SF	QH / Laundry	7 SF
46	(1.45' x 9.44') / 2	7 SF	QH / Laundry	7 SF
52	(3.16' x 20.55') / 2	32 SF	QH Recreation Area	32 SF
			<b>1,163 SF</b>	<b>1,074 SF</b>

R8X			
D	Residential	(9.08' x 59.00') / 2	268 SF
E	Residential	68.78' x 59.00'	4,058 SF
F	Residential	(9.13' x 47.96') / 2	219 SF
G	Residential	(11.04' x 57.96') / 2	320 SF
H	Residential	59.00' x 71.44'	4,215 SF
I	Residential	51.31' x 59.00'	3,027 SF
J	Residential	9.42' x 55.00'	518 SF
L	Residential	(2.09' x 59.00') / 2	62 SF
M	Residential	59.00' x 83.77'	4,941 SF
N	Residential	(2.09' x 59.00') / 2	62 SF
			<b>17,691 SF</b>
			<b>25,742 SF</b>

R8X				
3	(0.77' x 5.00') / 2	2 SF	QH / 50% Density-50% Daylighting	2 SF
4	2.51' x 5.00'	13 SF	QH / 50% Density-50% Daylighting	13 SF
5	2.02' x 5.00'	10 SF	QH / 50% Density-50% Daylighting	10 SF
6	10.38' x 59.00'	568 SF	QH / 50% Density-50% Daylighting	568 SF
7	16.80' x 34.87'	586 SF	QH / 50% Density-50% Daylighting	586 SF
8	5.00' x 12.57'	63 SF	QH / 50% Density-50% Daylighting	63 SF
9	(0.77' x 4.06') / 2	2 SF	QH / 50% Density-50% Daylighting	2 SF
10	(0.94' x 4.90') / 2	2 SF	QH / 50% Density-50% Daylighting	2 SF
11	4.06' x 4.14'	17 SF	QH / 50% Density-50% Daylighting	17 SF
12	5.00' x 25.92'	129 SF	QH / 50% Density-50% Daylighting	129 SF
13	(0.95' x 5.00') / 2	2 SF	QH / 50% Density-50% Daylighting	2 SF
14	(0.95' x 5.00') / 2	2 SF	QH / 50% Density-50% Daylighting	2 SF
15	3.34' x 5.00'	17 SF	QH / 50% Density-50% Daylighting	17 SF
16	5.00' x 57.84'	289 SF	QH / 50% Density-50% Daylighting	289 SF
17	3.00' x 4.00'	12 SF	QH / Refuse Room	12 SF
18	6.75' x 14.84'	100 SF	QH / 50% Density-50% Daylighting	100 SF
19	30.46' x 27.33'	833 SF	QH / 50% Density-50% Daylighting	833 SF
20	7.42' x 9.42'	70 SF	QH / 50% Density-50% Daylighting	70 SF
21	0.83' x 7.00'	6 SF	QH / 50% Density-50% Daylighting	6 SF
22	(0.25' x 7.00') / 2	1 SF	QH / 50% Density-50% Daylighting	1 SF
23	(0.25' x 7.00') / 2	1 SF	QH / 50% Density-50% Daylighting	1 SF
24	7.00' x 13.39'	90 SF	QH / 50% Density-50% Daylighting	90 SF
25	4.58' x 11.91'	60 SF	QH / 50% Density-50% Daylighting	60 SF
26	(0.42' x 11.91') / 2	3 SF	QH / 50% Density-50% Daylighting	3 SF
27	(0.60' x 17.10') / 2	5 SF	QH / 50% Density-50% Daylighting	5 SF
28	(0.42' x 11.91') / 2	3 SF	QH / 50% Density-50% Daylighting	3 SF
29	(0.16' x 4.58') / 2	0 SF	QH / 50% Density-50% Daylighting	0 SF
30	3.00' x 4.00'	12 SF	QH / Refuse Room	12 SF
31	5.00' x 51.33'	257 SF	QH / 50% Density-50% Daylighting	257 SF
37	(4.13' x 27.25') / 2	55 SF	QH Recreation Area	55 SF
38	4.95' x 27.25'	135 SF	QH Recreation Area	135 SF
39	2.02' x 26.82'	55 SF	QH Recreation Area	55 SF
40	19.79' x 25.04'	493 SF	QH Recreation Area	493 SF
41	8.75' x 18.41'	161 SF	QH Recreation Area	161 SF
42	12.71' x 25.46'	285 SF	QH / Laundry	285 SF
51	4.75' x 17.79'	84 SF	QH / 50% Density-50% Daylighting	84 SF
53	9.42' x 28.53'	234 SF	QH Recreation Area	234 SF
			<b>4,657 SF</b>	<b>4,657 SF</b>
			<b>5,820 SF</b>	<b>5,730 SF</b>

Zoning Floor Area Floor 1 Totals		
Gross Floor Area	Deduction	Zoning Floor Area

R7A	8,052 SF	1,074 SF	6,978 SF
R8X	8,052 SF	1,074 SF	6,978 SF

R8X	17,691 SF	4,657 SF	13,034 SF
R7A	17,691 SF	4,657 SF	13,034 SF
R8X	25,742 SF	5,730 SF	20,012 SF

# 2ND - 3RD FLOORS

Zoning Floor Area Floors 2-3 Gross Area			
Region	Region Dimension	Gross Floor Area	
R7A			
A	52.00' x 50.00'	2,600 SF	
B	(7.69' x 50.00') / 2	192 SF	
C	(7.69' x 50.00') / 2	192 SF	
O	59.00' x 50.00'	2,950 SF	
P	76.32' x 27.00'	2,061 SF	
Q	(4.15' x 27.00') / 2	56 SF	
			<b>8,052 SF</b>

Zoning Floor Area Floors 2-3 Deductions				
Number	Dimensions	Area	Deduction Type	Deduction
R7A				
1	5.00' x 48.56'	243 SF	QH / Daylighting	121 SF
2	(0.77' x 5.00') / 2	2 SF	QH / Daylighting	1 SF
3	(0.78' x 5.00') / 2	2 SF	QH / Daylighting	1 SF
31	5.00' x 35.32'	177 SF	QH / Daylighting	88 SF
32	24.50' x 7.33'	180 SF	QH / Daylighting	90 SF
			<b>603 SF</b>	<b>301 SF</b>

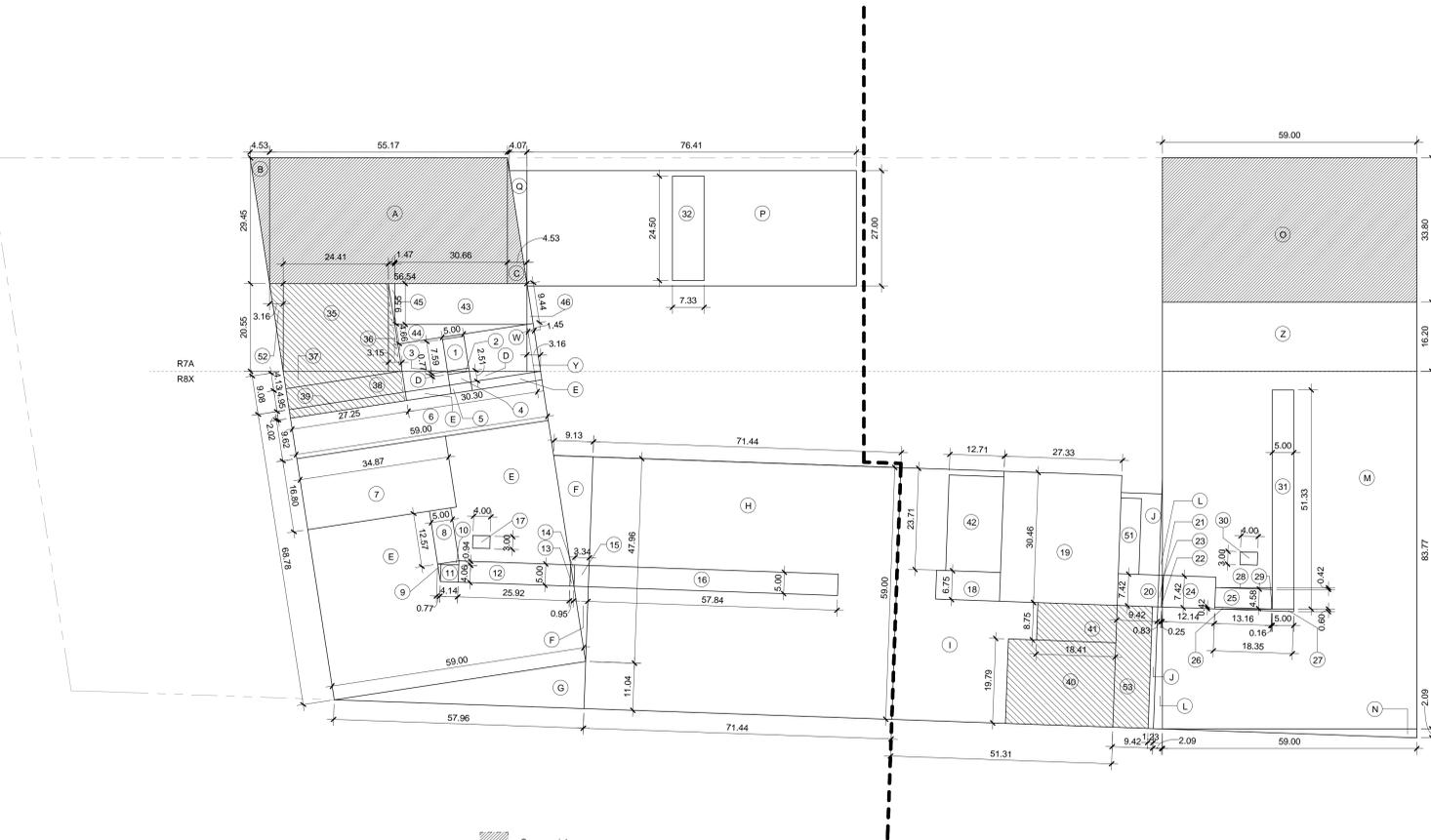
R8X			
D	(9.08' x 59.00') / 2	268 SF	
E	68.78' x 59.00'	4,058 SF	
F	(9.13' x 47.96') / 2	219 SF	
G	(11.04' x 57.96') / 2	320 SF	
H	71.44' x 59.00'	4,215 SF	
I	51.31' x 59.00'	3,027 SF	
J	9.58' x 54.83'	527 SF	
L	(1.93' x 54.38') / 2	52 SF	
M	59.00' x 83.77'	4,942 SF	
N	(2.09' x 59.00') / 2	62 SF	
			<b>17,690 SF</b>
			<b>25,742 SF</b>

R8X				
4	(0.78' x 5.00') / 2	2 SF	QH / Daylighting	1 SF
5	3.91' x 5.00'	20 SF	QH / Daylighting	10 SF
6	5.00' x 7.41'	37 SF	QH / Daylighting	18 SF
7	5.00' x 29.21'	146 SF	QH / Daylighting	73 SF
8	6.00' x 19.20'	122 SF	QH / Daylighting	61 SF
9	5.00' x 13.56'	68 SF	QH / Daylighting	34 SF
10	(0.94' x 4.91') / 2	2 SF	QH / Daylighting	1 SF
11	(0.77' x 4.06') / 2	2 SF	QH / Daylighting	1 SF
12	5.00' x 25.15'	126 SF	QH / Daylighting	63 SF
13	(0.95' x 5.00') / 2	2 SF	QH / Daylighting	1 SF
14	(0.95' x 5.00') / 2	2 SF	QH / Daylighting	1 SF
15	3.33' x 5.00'	17 SF	QH / Daylighting	8 SF
16	5.00' x 57.84'	289 SF	QH / Daylighting	145 SF
17	4.00' x 3.00'	12 SF	QH / Refuse Room	12 SF
18	5.00' x 41.94'	210 SF	QH / Daylighting	105 SF
19	4.88' x 25.21'	123 SF	QH / Daylighting	62 SF
20	4.70' x 7.00'	33 SF	QH / Daylighting	16 SF
22	0.67' x 7.00'	5 SF	QH / Daylighting	2 SF
23	(0.25' x 7.00') / 2	1 SF	QH / Daylighting	0 SF
24	(0.25' x 7.00') / 2	1 SF	QH / Daylighting	0 SF
25	7.00' x 12.14'	85 SF	QH / Daylighting	43 SF
26	5.00' x 13.13'	66 SF	QH / Daylighting	33 SF
27	(0.21' x 5.00') / 2	1 SF	QH / Daylighting	0 SF
28	(0.18' x 5.00') / 2	0 SF	QH / Daylighting	0 SF
29	5.00' x 56.12'	281 SF	QH / Daylighting	140 SF
30	4.00' x 3.00'	12 SF	QH / Refuse Room	12 SF
			<b>1,663 SF</b>	<b>843 SF</b>
			<b>2,265 SF</b>	<b>1,145 SF</b>

Zoning Floor Area Floors 2-3 Totals		
Gross Floor Area	Deduction	Zoning Floor Area

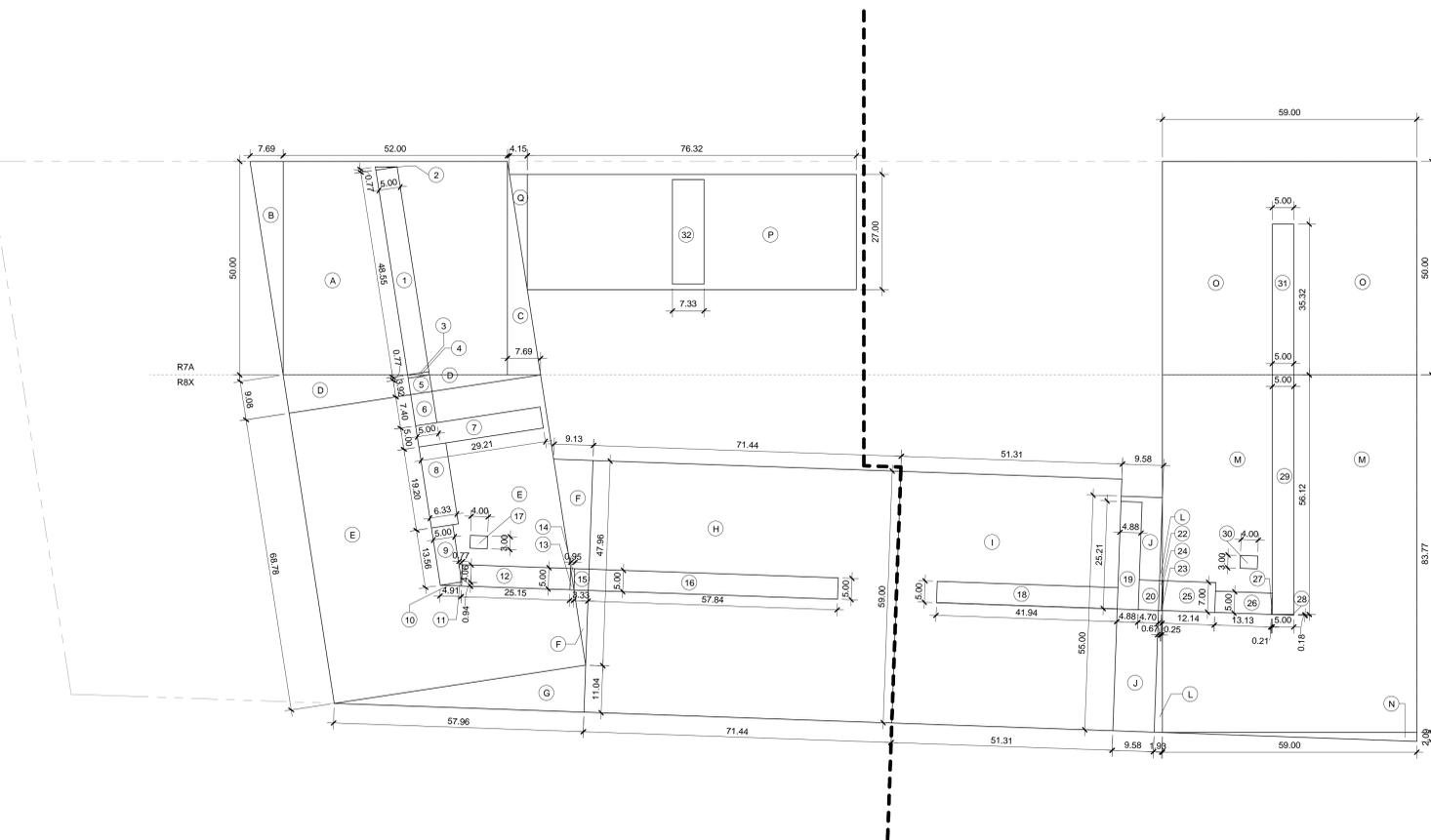
R7A	8,052 SF	302 SF	7,750 SF
R8X	8,052 SF	302 SF	7,750 SF

R8X	17,685 SF	856 SF	16,830 SF
R7A	17,685 SF	856 SF	16,830 SF
R8X	25,737 SF	1,158 SF	24,579 SF



## Zoning Areas - 1st Floor

1/16" = 1'-0"



## Zoning Areas 2nd - 3rd Floors

1/16" = 1'-0"

## Compass Residences

PHASE I

1512 Boone Avenue  
Bronx, New York

Monadnock Development, LLC  
155 3rd Street  
Brooklyn, NY 11231

Industco Holdings, LLC  
853 Broadway, Suite 2014  
New York, New York 10003

DattnerArchitects  
1385 Broadway, 15th Floor  
New York, NY 10018  
Tel: 212 247 2660  
info@dattner.com

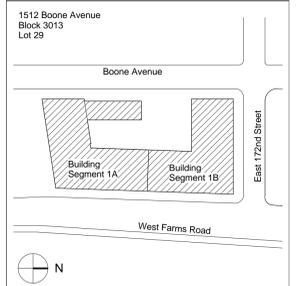
Structural Engineers  
**De Nardis Engineering, LLC**  
15 Reservoir Road  
White Plains, NY 10603-2516  
tel: 914-948-8844  
fax: 914-948-8868

Mechanical/Electrical/Plumbing Engineers  
**Abraham Joselow Consulting Engineers**  
45 West 34th Street, Suite 1101  
New York, NY 10001  
tel: 212-736-2594  
fax: 212-736-0241

Landscape Architect  
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80 Maiden Lane, Suite 1901  
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tel: 212-487-3272  
fax: 212-487-3273

Revisions

## DOB # 220210368-BX



Key Plan  
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## Zoning Deductions Floor 1 and Floors 2 to 3

Date: May 7, 2013

Scale: 1/16" = 1'-0"

Drawn By: Author

Checked By: Checker

Project No.: 1130.00

Sheet No.:

**G-015.00**



# Compass Residences

PHASE I

1512 Boone Avenue  
Bronx, New York

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Brooklyn, NY 11231

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New York, New York 10003

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45 West 34th Street, Suite 1101  
New York, NY 10001  
tel 212-736-2594  
fax 212-736-0241

Landscape Architect  
**Starr Whitehouse Landscape Architects, LLC**  
80 Maiden Lane, Suite 1901  
New York, New York 10038  
tel 212-487-3272  
fax 212-487-3273

## 4TH - 6TH FLOORS

Zoning Floor Area Floors 4 - 6 Gross Area		
Region	Region Dimension	Gross Floor Area
R7A		
A	52.00' x 50.00'	2,600 SF
B	(7.69' x 50.00') / 2	192 SF
C	(7.69' x 50.00') / 2	192 SF
O	59.00' x 50.00'	2,950 SF
		5,935 SF

Zoning Floor Area Floors 4 - 6 Deductions				
Number	Dimensions	Area	Deduction Type	Deduction
R7A				
1	5.00' x 48.56'	243 SF	QH / Daylighting	121 SF
2	(0.77' x 5.00') / 2	2 SF	QH / Daylighting	1 SF
3	(0.78' x 5.00') / 2	2 SF	QH / Daylighting	1 SF
31	5.00' x 35.32'	177 SF	QH / Daylighting	88 SF
		423 SF		212 SF

Zoning Floor Area Floors 4 - 6 Totals		
Gross Floor Area	Deduction	Zoning Floor Area
R7A		
5,935 SF	212 SF	5,723 SF
5,935 SF	212 SF	5,723 SF

Zoning Floor Area Floors 4 - 6 Deductions				
Number	Dimensions	Area	Deduction Type	Deduction
R8X				
4	(0.78' x 5.00') / 2	2 SF	QH / Daylighting	1 SF
5	3.91' x 5.00'	20 SF	QH / Daylighting	10 SF
6	5.00' x 7.41'	37 SF	QH / Daylighting	18 SF
7	5.00' x 29.21'	146 SF	QH / Daylighting	73 SF
8	6.00' x 19.20'	122 SF	QH / Daylighting	61 SF
9	5.00' x 13.56'	68 SF	QH / Daylighting	34 SF
10	(0.94' x 4.91') / 2	2 SF	QH / Daylighting	1 SF
11	(0.77' x 4.06') / 2	2 SF	QH / Daylighting	1 SF
12	5.00' x 25.15'	126 SF	QH / Daylighting	63 SF
13	(0.95' x 5.00') / 2	2 SF	QH / Daylighting	1 SF
14	(0.95' x 5.00') / 2	2 SF	QH / Daylighting	1 SF
15	3.33' x 5.00'	17 SF	QH / Daylighting	8 SF
16	5.00' x 57.84'	289 SF	QH / Daylighting	145 SF
17	4.00' x 3.00'	12 SF	QH / Refuse Room	12 SF
18	5.00' x 41.94'	210 SF	QH / Daylighting	105 SF
19	4.88' x 25.21'	123 SF	QH / Daylighting	62 SF
20	4.70' x 7.00'	33 SF	QH / Daylighting	16 SF
22	0.67' x 7.00'	5 SF	QH / Daylighting	2 SF
23	(0.25' x 7.00') / 2	1 SF	QH / Daylighting	0 SF
24	(0.25' x 7.00') / 2	1 SF	QH / Daylighting	0 SF
25	7.00' x 12.14'	85 SF	QH / Daylighting	43 SF
26	5.00' x 13.13'	66 SF	QH / Daylighting	33 SF
27	(0.21' x 5.00') / 2	1 SF	QH / Daylighting	0 SF
28	(0.18' x 5.00') / 2	0 SF	QH / Daylighting	0 SF
29	5.00' x 56.12'	281 SF	QH / Daylighting	140 SF
30	4.00' x 3.00'	12 SF	QH / Refuse Room	12 SF
		1,663 SF		843 SF
		2,086 SF		1,055 SF

Zoning Floor Area Floors 4 - 6 Totals		
Gross Floor Area	Deduction	Zoning Floor Area
R7A		
5,935 SF	212 SF	5,723 SF
5,935 SF	212 SF	5,723 SF
R8X		
17,688 SF	843 SF	16,845 SF
17,688 SF	843 SF	16,845 SF
23,623 SF	1,055 SF	22,568 SF

## 7TH - 8TH FLOORS

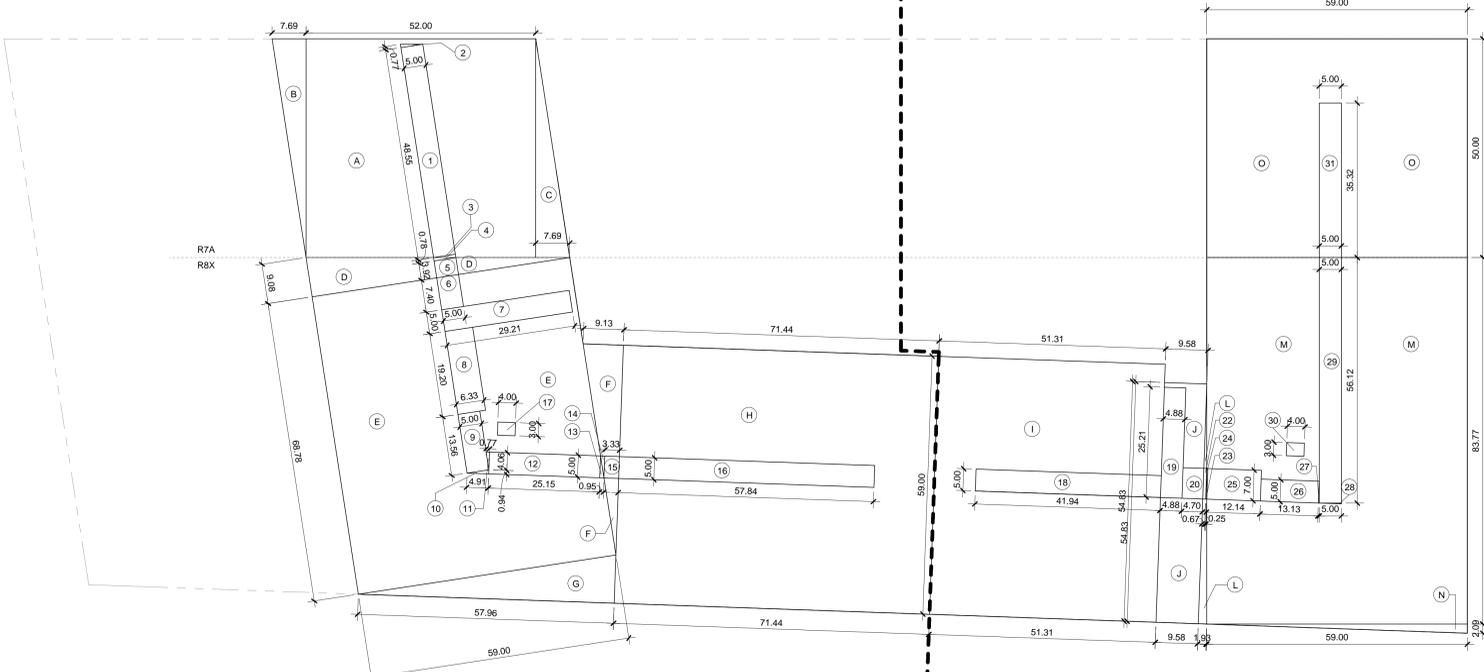
Zoning Floor Area Floors 7 - 8 Gross Area		
Region	Region Dimension	Gross Floor Area
R7A		
A	46.22' x 35.00'	1,618 SF
B	(5.38' x 35.00') / 2	94 SF
C	(5.38' x 35.00') / 2	94 SF
O	35.00' x 51.00'	1,785 SF
		3,591 SF

Zoning Floor Area Floors 7 - 8 Deductions				
Number	Dimensions	Area	Deduction Type	Deduction
R7A				
1	5.00' x 33.33'	167 SF	QH / Daylighting	83 SF
2	(0.77' x 5.00') / 2	2 SF	QH / Daylighting	1 SF
3	(0.78' x 5.00') / 2	2 SF	QH / Daylighting	1 SF
31	5.00' x 21.87'	109 SF	QH / Daylighting	55 SF
		280 SF		140 SF

Zoning Floor Area Floors 7 - 8 Totals		
Gross Floor Area	Deduction	Zoning Floor Area
R7A		
3,591 SF	140 SF	3,451 SF
3,591 SF	140 SF	3,451 SF
R8X		
17,470 SF	843 SF	16,627 SF
17,470 SF	843 SF	16,627 SF
21,061 SF	983 SF	20,078 SF

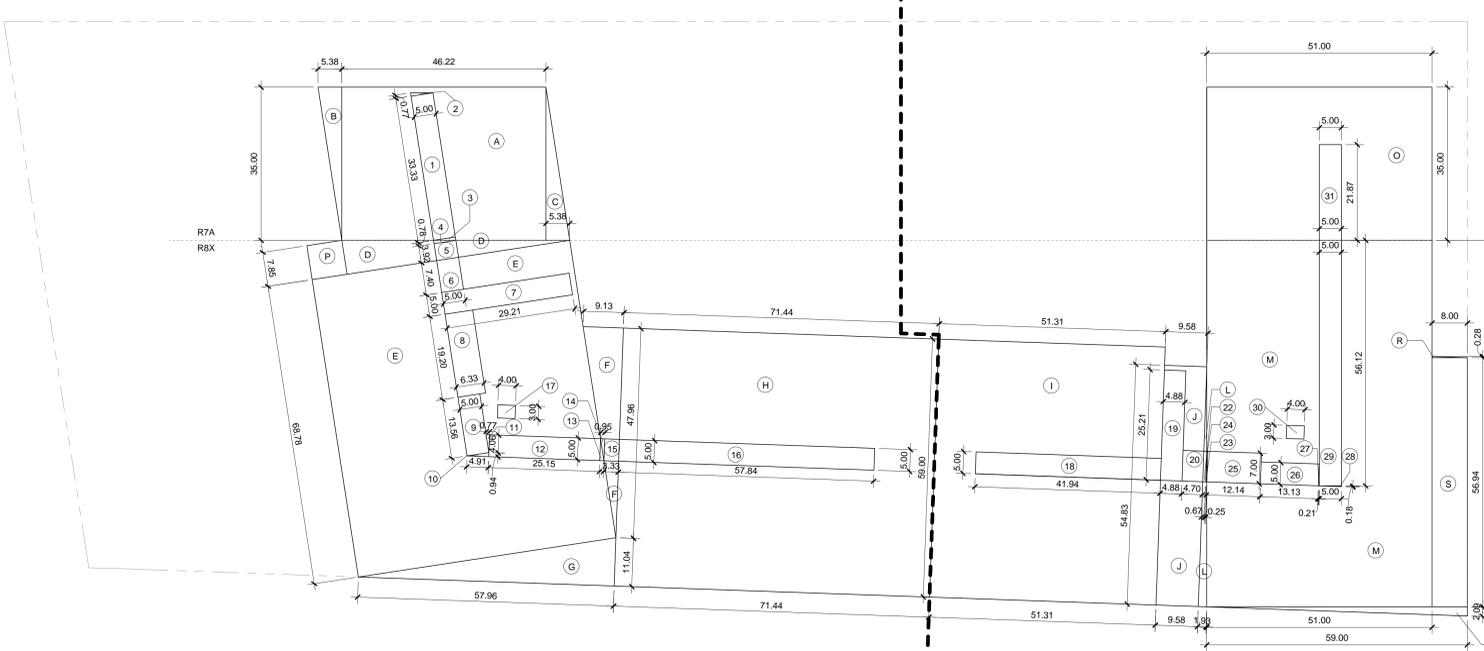
Zoning Floor Area Floors 7 - 8 Deductions				
Number	Dimensions	Area	Deduction Type	Deduction
R8X				
4	(0.78' x 5.00') / 2	2 SF	QH / Daylighting	1 SF
5	3.92' x 5.00'	20 SF	QH / Daylighting	10 SF
6	5.00' x 7.41'	37 SF	QH / Daylighting	18 SF
7	5.00' x 29.21'	146 SF	QH / Daylighting	73 SF
8	6.00' x 19.20'	122 SF	QH / Daylighting	61 SF
9	5.00' x 13.56'	68 SF	QH / Daylighting	34 SF
10	(0.94' x 4.91') / 2	2 SF	QH / Daylighting	1 SF
11	(0.77' x 4.06') / 2	2 SF	QH / Daylighting	1 SF
12	5.00' x 25.15'	126 SF	QH / Daylighting	63 SF
13	(0.95' x 5.00') / 2	2 SF	QH / Daylighting	1 SF
14	(0.95' x 5.00') / 2	2 SF	QH / Daylighting	1 SF
15	3.33' x 5.00'	17 SF	QH / Daylighting	8 SF
16	5.00' x 57.84'	289 SF	QH / Daylighting	145 SF
17	4.00' x 3.00'	12 SF	QH / Refuse Room	12 SF
18	5.00' x 41.94'	210 SF	QH / Daylighting	105 SF
19	4.88' x 25.21'	123 SF	QH / Daylighting	62 SF
20	4.70' x 7.00'	33 SF	QH / Daylighting	16 SF
22	0.67' x 7.00'	5 SF	QH / Daylighting	2 SF
23	(0.25' x 7.00') / 2	1 SF	QH / Daylighting	0 SF
24	(0.25' x 7.00') / 2	1 SF	QH / Daylighting	0 SF
25	7.00' x 12.14'	85 SF	QH / Daylighting	43 SF
26	5.00' x 13.13'	66 SF	QH / Daylighting	33 SF
27	(0.21' x 5.00') / 2	1 SF	QH / Daylighting	0 SF
28	(0.18' x 5.00') / 2	0 SF	QH / Daylighting	0 SF
29	5.00' x 56.12'	281 SF	QH / Daylighting	140 SF
30	4.00' x 3.00'	12 SF	QH / Refuse Room	12 SF
		1,663 SF		843 SF
		1,942 SF		983 SF

Zoning Floor Area Floors 7 - 8 Totals		
Gross Floor Area	Deduction	Zoning Floor Area
R7A		
3,591 SF	140 SF	3,451 SF
3,591 SF	140 SF	3,451 SF
R8X		
17,470 SF	843 SF	16,627 SF
17,470 SF	843 SF	16,627 SF
21,061 SF	983 SF	20,078 SF



### 1 Zoning Areas 4th - 6th Floors

1/16" = 1'-0"

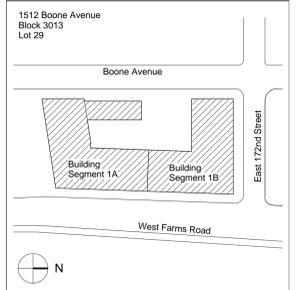


### 2 Zoning Areas 7th - 8th Floors

1/16" = 1'-0"

Revisions

### DOB # 220210368-BX



Key Plan  
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### Zoning Deductions Floors 4 to 6 and Floors 7 to 8

Date May 7, 2013  
Scale 1/16" = 1'-0"  
Drawn By Author  
Checked By Checker  
Project No. 1130.00  
Sheet No. **G-016.00**



# Compass Residences

PHASE I

1512 Boone Avenue  
Bronx, New York

Monadnock Development, LLC  
155 3rd Street  
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80 Maiden Lane, Suite 1901  
New York, New York 10038  
tel 212-487-3272  
fax 212-487-3273

## 9TH FLOOR

Zoning Floor Area Floor 9 Gross Area		
Region	Region Dimension	Gross Floor Area
R7A		
A	46.22' x 35.00'	1,618 SF
B	(5.38' x 35.00') / 2	94 SF
C	(5.38' x 35.00') / 2	94 SF
O	35.00' x 51.00'	1,785 SF
		3,591 SF

Zoning Floor Area Floor 9 Deductions				
Number	Dimensions	Area	Deduction Type	Deduction
R7A				
1	5.00' x 33.33'	167 SF	QH / Daylighting	83 SF
2	(0.77' x 5.00') / 2	2 SF	QH / Daylighting	1 SF
3	(0.78' x 5.00') / 2	2 SF	QH / Daylighting	1 SF
31	5.00' x 21.87'	109 SF	QH / 50% Density-50% Daylighting	109 SF
		280 SF		195 SF

R8X		
D	(7.85' x 51.00') / 2	200 SF
E	68.78' x 59.00'	4,058 SF
F	(9.13' x 47.96') / 2	219 SF
G	(11.04' x 57.96') / 2	320 SF
H	71.44' x 59.00'	4,215 SF
I	51.31' x 51.00'	2,611 SF
J	9.57' x 46.83'	453 SF
L	(1.66' x 46.83') / 2	40 SF
M	51.00' x 75.76'	3,863 SF
N	(1.8' x 51.00') / 2	46 SF
P	7.85' x 8.00'	63 SF
		16,088 SF
		19,679 SF

R8X				
4	(0.78' x 5.00') / 2	2 SF	QH / Daylighting	0 SF
5	3.91' x 5.00'	20 SF	QH / Daylighting	10 SF
6	5.00' x 7.41'	37 SF	QH / Daylighting	18 SF
7	5.00' x 29.21'	146 SF	QH / Daylighting	73 SF
8	6.00' x 19.20'	122 SF	QH / Daylighting	61 SF
9	5.00' x 13.56'	68 SF	QH / Daylighting	34 SF
10	(0.94' x 4.91') / 2	2 SF	QH / Daylighting	1 SF
11	(0.77' x 4.06') / 2	2 SF	QH / Daylighting	1 SF
12	5.00' x 25.15'	126 SF	QH / Daylighting	63 SF
13	(0.95' x 5.00') / 2	2 SF	QH / Daylighting	1 SF
14	(0.95' x 5.00') / 2	2 SF	QH / Daylighting	1 SF
15	3.33' x 5.00'	17 SF	QH / Daylighting	8 SF
16	5.00' x 57.84'	289 SF	QH / Daylighting	145 SF
17	4.00' x 3.00'	12 SF	QH / Refuse Room	12 SF
18	5.00' x 41.84'	209 SF	QH / 50% Density-50% Daylighting	209 SF
19	5.00' x 25.21'	126 SF	QH / 50% Density-50% Daylighting	126 SF
20	4.67' x 7.00'	33 SF	QH / 50% Density-50% Daylighting	33 SF
22	0.67' x 7.00'	5 SF	QH / 50% Density-50% Daylighting	5 SF
23	(0.25' x 7.00') / 2	1 SF	QH / 50% Density-50% Daylighting	1 SF
24	(0.25' x 7.00') / 2	1 SF	QH / 50% Density-50% Daylighting	1 SF
25	7.00' x 12.14'	85 SF	QH / 50% Density-50% Daylighting	85 SF
26	5.00' x 13.13'	66 SF	QH / 50% Density-50% Daylighting	66 SF
27	(0.21' x 5.00') / 2	1 SF	QH / 50% Density-50% Daylighting	1 SF
28	(0.18' x 5.00') / 2	0 SF	QH / 50% Density-50% Daylighting	0 SF
29	5.00' x 56.12'	281 SF	QH / 50% Density-50% Daylighting	281 SF
30	4.00' x 3.00'	12 SF	QH / Refuse Room	12 SF
		1,665 SF		1,247 SF
		1,945 SF		1,442 SF

Zoning Floor Area Floor 9 Totals		
Gross Floor Area	Deduction	Zoning Floor Area
R7A		
3,591 SF	195 SF	3,396 SF
3,591 SF	195 SF	3,396 SF

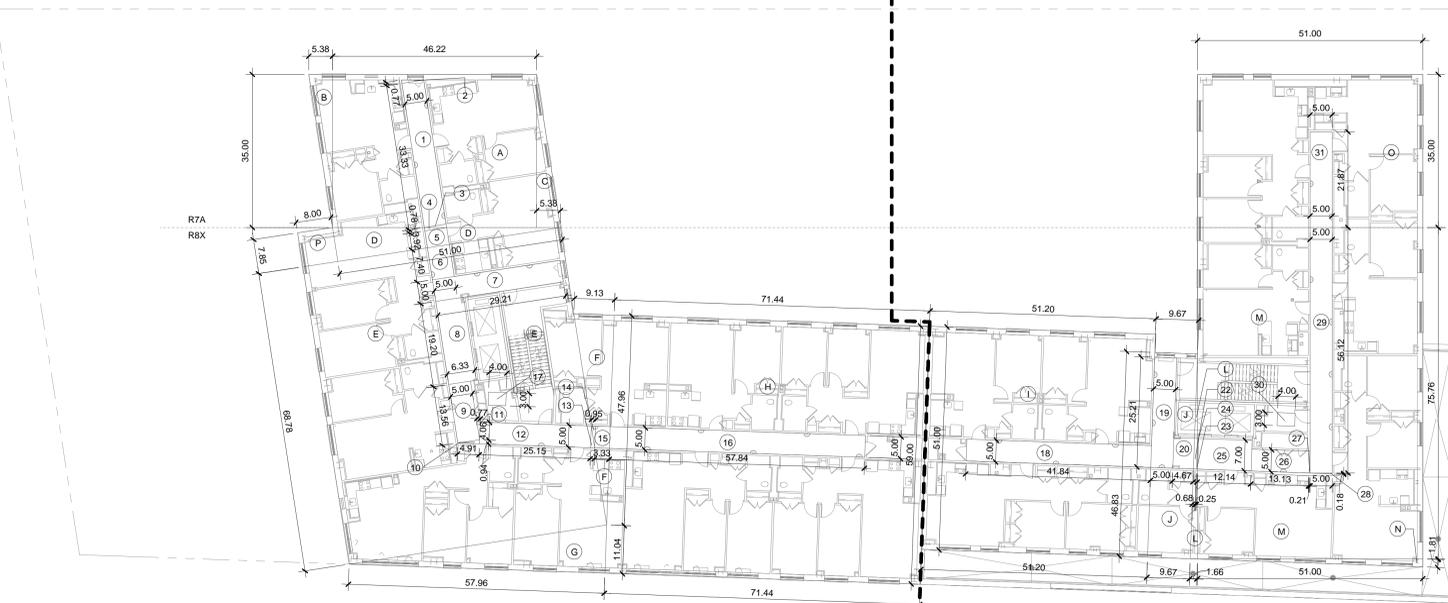
R8X		
16,088 SF	1,247 SF	14,839 SF
16,088 SF	1,247 SF	14,839 SF
19,679 SF	1,442 SF	18,235 SF

## 10TH - 13TH FLOORS

Zoning Floor Area Floors 10 - 13 Gross Area		
Region	Region Dimension	Gross Floor Area
R8X		
I	51.31' x 51.00'	2,611 SF
J	9.67' x 47.00'	454 SF
K	(0.83' x 23.44') / 2	10 SF
L	(1.65' x 46.38') / 2	39 SF
M	51.03' x 46.20'	2,356 SF
N	(1.81' x 51.00') / 2	46 SF
T	3.02' x 27.57'	83 SF
U	(0.98' x 27.57') / 2	13 SF
		5,614 SF
		5,614 SF

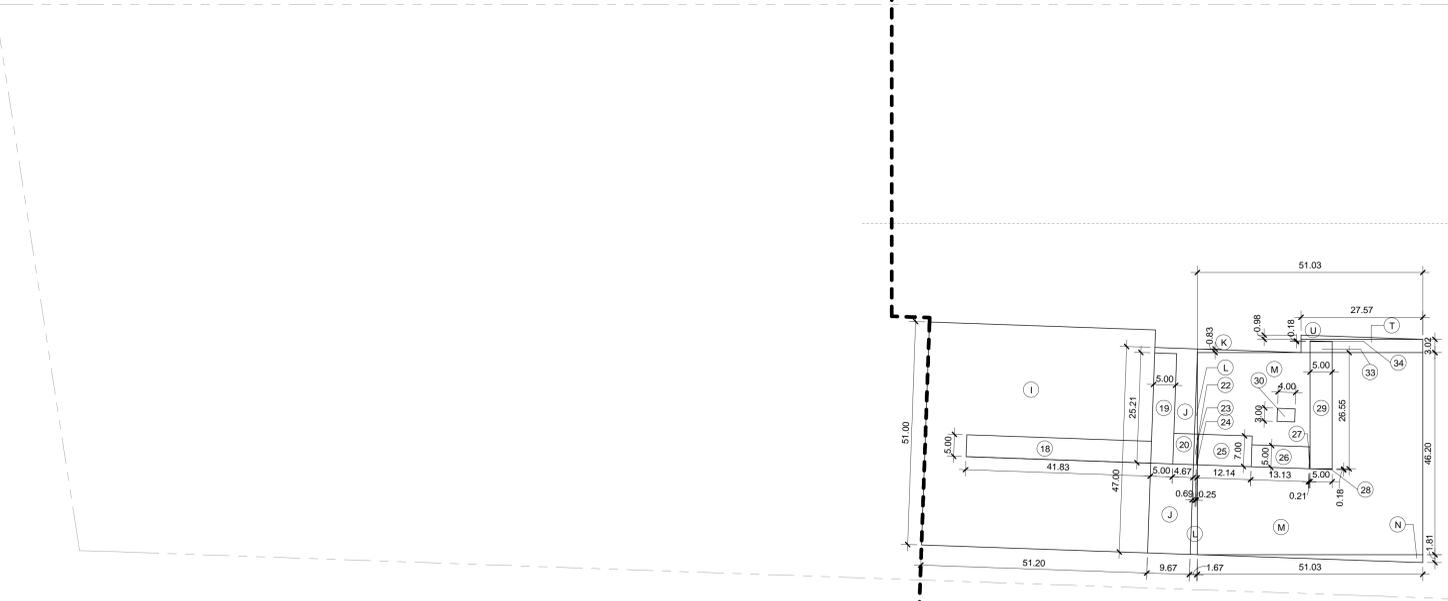
Zoning Floor Area Floors 10 - 13 Deductions				
Number	Dimensions	Area	Deduction Type	Deduction
R8X				
18	5.00' x 41.83'	209 SF	QH / 50% Density-50% Daylighting	209 SF
19	4.88' x 25.21'	126 SF	QH / 50% Density-50% Daylighting	126 SF
20	4.68' x 7.00'	33 SF	QH / 50% Density-50% Daylighting	33 SF
22	0.67' x 7.00'	5 SF	QH / 50% Density-50% Daylighting	5 SF
23	(0.25' x 7.00') / 2	1 SF	QH / 50% Density-50% Daylighting	1 SF
24	(0.25' x 7.00') / 2	1 SF	QH / 50% Density-50% Daylighting	1 SF
25	7.00' x 12.14'	85 SF	QH / 50% Density-50% Daylighting	85 SF
26	5.00' x 13.13'	66 SF	QH / 50% Density-50% Daylighting	66 SF
27	(0.21' x 5.00') / 2	1 SF	QH / 50% Density-50% Daylighting	1 SF
28	(0.18' x 5.00') / 2	0 SF	QH / 50% Density-50% Daylighting	0 SF
29	5.00' x 26.55'	133 SF	QH / 50% Density-50% Daylighting	133 SF
30	4.00' x 3.00'	12 SF	QH / Refuse Room	12 SF
33	2.46' x 5.00'	13 SF	QH / 50% Density-50% Daylighting	13 SF
34	(0.18' x 5.00') / 2	0 SF	QH / 50% Density-50% Daylighting	0 SF
		684 SF		684 SF
		684 SF		684 SF

Zoning Floor Area Floors 10 - 13 Totals		
Gross Floor Area	Deduction	Zoning Floor Area
R8X		
5,614 SF	684 SF	4,930 SF
5,614 SF	684 SF	4,930 SF
5,614 SF	684 SF	4,930 SF



### 1 Zoning Areas 9th Floor

1/16" = 1'-0"

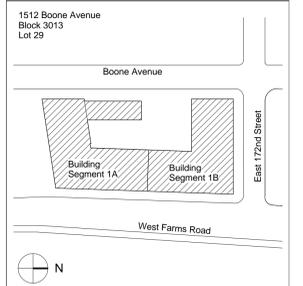


### 2 Zoning Areas 10th - 13th Floors

1/16" = 1'-0"

Revisions

DOB # 220210368-BX



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Zoning Deductions Floor 9 and Floors 10 to 13

Date May 7, 2013

Scale 1/16" = 1'-0"

Drawn By Author

Checked By Checker

Project No. 1130.00 Seal

Sheet No.



G-017.00

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# Compass Residences

PHASE I

1512 Boone Avenue  
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## 14TH - 15TH FLOORS

Zoning Floor Area Floors 14 - 15 Gross Area		
Region	Region Dimension	Gross Floor Area

Zoning Floor Area Floors 14 - 15 Deductions				
Number	Dimensions	Area	Deduction Type	Deduction
<b>R8X</b>				
J	51.31' x 51.00'	2,617 SF		
K	9.56' x 47.00'	449 SF		
L	(0.83' x 23.44') / 2	10 SF		
M	(1.67' x 46.17') / 2	39 SF		
N	43.03' x 46.20'	1,987 SF		
T	(1.53' x 43.00') / 2	33 SF		
U	3.31' x 19.57'	65 SF		
		7 SF		
		5,206 SF		
		5,206 SF		

Zoning Floor Area Floors 14 - 15 Totals		
Gross Floor Area	Deduction	Zoning Floor Area

<b>R8X</b>		
5,206 SF	538 SF	4,668 SF
5,206 SF	538 SF	4,668 SF
5,206 SF	538 SF	4,668 SF

Zoning Floor Area Floors 14 - 15 Deductions				
Number	Dimensions	Area	Deduction Type	Deduction

<b>R8X</b>				
18	5.00' x 41.94'	210 SF	QH / 50% Density-50% Daylighting	210 SF
19	5.00' x 25.21'	126 SF	QH / 50% Density-50% Daylighting	126 SF
20	4.70' x 5.00'	32 SF	QH / 50% Density-50% Daylighting	32 SF
22	0.66' x 7.00'	5 SF	QH / 50% Density-50% Daylighting	5 SF
23	(0.25' x 7.00') / 2	1 SF	QH / 50% Density-50% Daylighting	1 SF
24	(0.25' x 7.00') / 2	1 SF	QH / 50% Density-50% Daylighting	1 SF
25	7.00' x 12.17'	85 SF	QH / 50% Density-50% Daylighting	85 SF
26	5.00' x 11.88'	65 SF	QH / 50% Density-50% Daylighting	65 SF
27	(0.21' x 5.00') / 2	1 SF	QH / 50% Density-50% Daylighting	1 SF
30	4.00' x 3.00'	12 SF	QH / Refuse Room	12 SF
		538 SF		538 SF
		538 SF		538 SF

Zoning Floor Area Mechanical Penthouses Gross Area		
Region	Region Dimension	Gross Floor Area

<b>BUILDING 1A</b>		
<b>R8X</b>		
A	26.82' x 41.43'	587 SF
B	(3.59' x 19.29') / 2	35 SF
		621 SF

<b>BUILDING 1B</b>		
<b>R8X</b>		
A	28.82' x 70.47'	2,016 SF
		2,016 SF
		2,637 SF

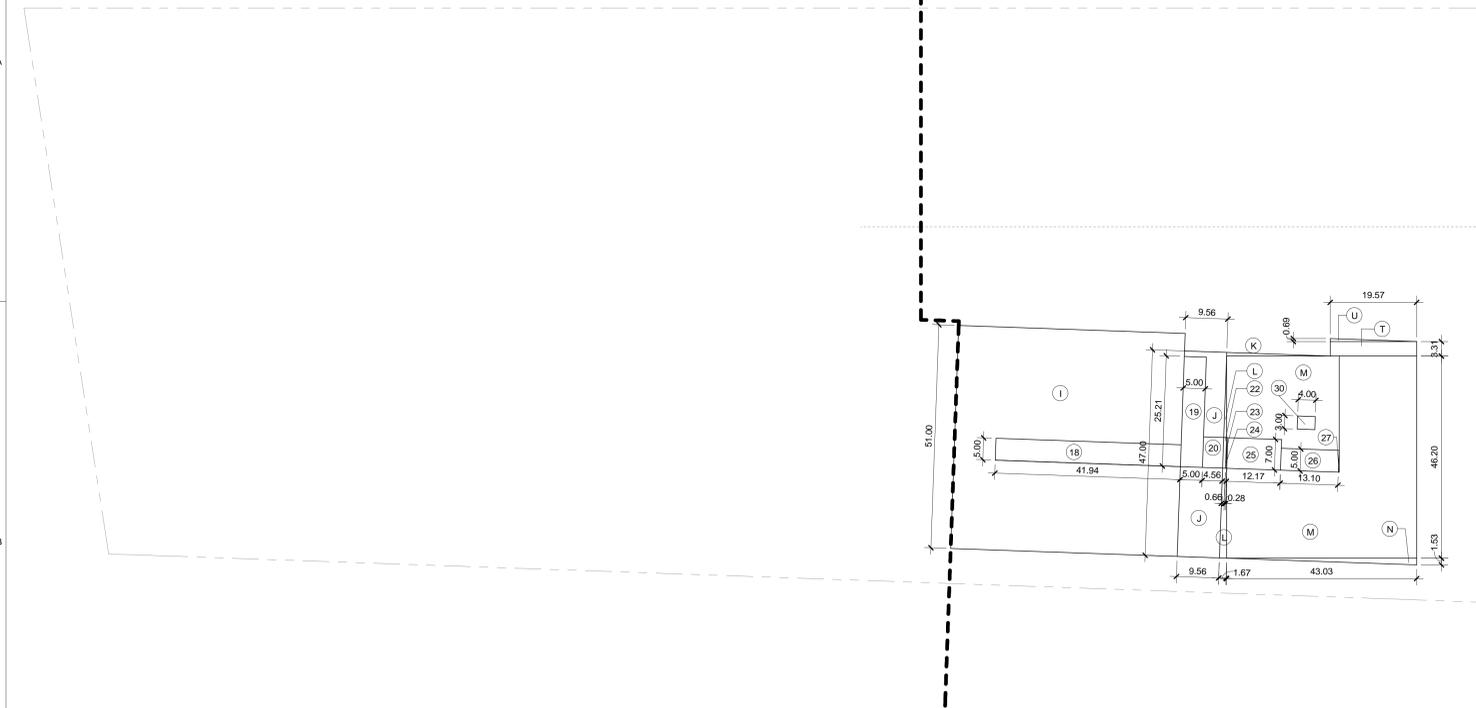
Zoning Floor Area Mechanical Penthouses Totals		
Gross Floor Area	Deduction	Zoning Floor Area

<b>BUILDING 1A</b>		
<b>R8X</b>		
621 SF	427 SF	195 SF
621 SF	427 SF	195 SF
<b>BUILDING 1B</b>		
<b>R8X</b>		
2,016 SF	382 SF	1,634 SF
2,016 SF	382 SF	1,634 SF
2,637 SF	808 SF	1,829 SF

Zoning Floor Area Mechanical Penthouses Deductions				
Number	Dimensions	Area	Deduction Type	Deduction

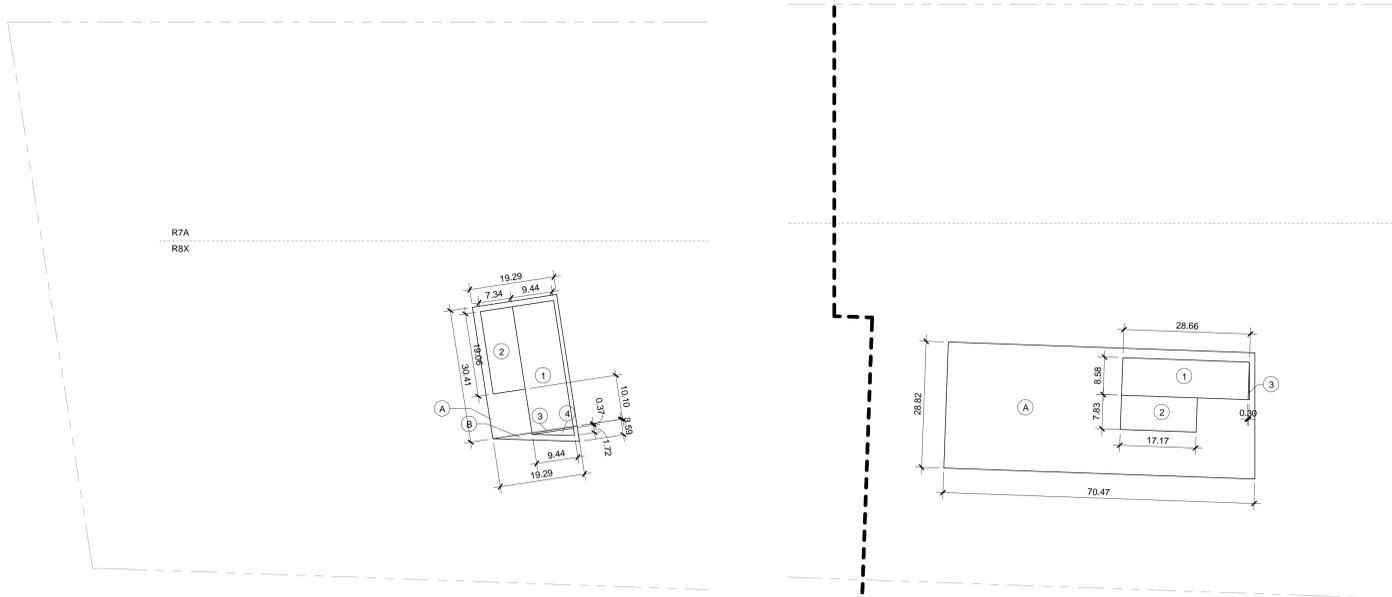
<b>BUILDING 1A</b>				
<b>R8X</b>				
1	9.44' x 29.11'	275 SF	Stair Bulkheads	275 SF
2	7.33' x 19.06'	140 SF	Elevator Bulkhead	140 SF
3	0.37' x 9.44'	3 SF	Stair Bulkheads	3 SF
4	(1.72' x 9.44') / 2	8 SF	Stair Bulkheads	8 SF
		427 SF		427 SF

<b>BUILDING 1B</b>				
<b>R8X</b>				
1	8.58' x 28.66'	246 SF	Stair Bulkheads	246 SF
2	7.83' x 17.17'	134 SF	Elevator Bulkhead	134 SF
3	(0.30' x 8.58') / 2	1 SF	Stair Bulkheads	1 SF
		382 SF		382 SF
		808 SF		808 SF



### 1 Zoning Areas 14th - 15th Floors

1/16" = 1'-0"



### 2 Zoning Areas - Mechanical Penthouse 1A

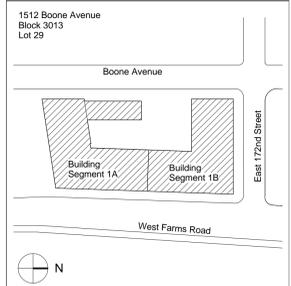
1/16" = 1'-0"

### 3 Zoning Areas - Mechanical Penthouse 1B

1/16" = 1'-0"

Revisions

### DOB # 220210368-BX



Key Plan

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### Zoning Deductions Floors 14 to 15 and Mechanical Penthouse

Date May 7, 2013

Scale 1/16" = 1'-0"

Drawn By Author

Checked By Checker

Project No. 1130.00 Seal

Sheet No.

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# G-018.00

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Block	3013	
	Bldg. 1a	Bldg. 1b
<b>Retail</b>		
Parking Level		1,180
1	1,758	1,994
<b>Subtotal (Retail)</b>	1,758	3,174
<b>Subtotal (Retail Combined)</b>		4,932
<b>Residential</b>		
Parking Level	2,344	4,046
1	12,423	9,567
2	14,178	11,559
3	14,178	11,559
4	12,065	11,559
5	12,065	11,559
6	12,065	11,559
7	10,880	10,181
8	10,880	10,181
9	10,880	8,799
10		5,614
11		5,614
12		5,614
13		5,614
14		5,206
15		5,206
PH	621	2,016
<b>Subtotal (Res. Gross )</b>	112,579	135,453
<b>Subtotal (Res. Gross ) Combined</b>		248,032
<b>Residential NET Rentable</b>	84,205	95,751
<b>Residential NET Rentable Combined</b>		179,956
<b>Parking</b>		
Parking Level	8,576	11,379
<b>Subtotal (Parking Combined)</b>		19,955
<b>Total GSF per Building Segment</b>	122,913	150,006
<b>Total GSF per Block</b>		272,919

1 Gross Area Summary  
NTS

Lot Area (41,877 sf Total)	Bldg. 1A			Bldg. 1B			Total
	R7A	R8X	Total	R7A	R8X	Total	
Parking Level	0	10,920	10,920	6,287	10,318	16,605	27,525
1	5,101	9,080	14,181	2,950	8,611	11,561	25,742
2	5,102	9,076	14,178	2,950	8,609	11,559	25,737
3	5,102	9,076	14,178	2,950	8,609	11,559	25,737
4	2,985	9,080	12,065	2,950	8,609	11,559	23,624
5	2,985	9,080	12,065	2,950	8,609	11,559	23,624
6	2,985	9,080	12,065	2,950	8,609	11,559	23,624
7	1,806	9,074	10,880	1,785	8,396	10,181	21,061
8	1,806	9,074	10,880	1,785	8,396	10,181	21,061
9	1,806	9,074	10,880	1,785	7,014	8,799	19,679
10					5,614	5,614	5,614
11					5,614	5,614	5,614
12					5,614	5,614	5,614
13					5,614	5,614	5,614
14					5,206	5,206	5,206
15					5,206	5,206	5,206
PH		621	621		2,016	2,016	2,637
<b>Gross Floor Area</b>	<b>29,678</b>	<b>93,235</b>	<b>122,913</b>	<b>29,342</b>	<b>120,664</b>	<b>150,006</b>	<b>272,919</b>
<b>Zoning Floor Area Deductions</b>							
Stair/Elevator Penthouses	0	427	427	0	381	381	808
Parking	0	8,576	8,576	5,226	6,153	11,379	19,955
Bike Storage	0	697	697	0	457	457	1,154
Quality Housing *	2,120	5,464	7,584	661	10,240	10,901	18,485
Cellar spaces	0	1,352	1,352	1,061	1,936	2,997	4,349
<b>Total Floor Area Deductions</b>	<b>2,120</b>	<b>16,516</b>	<b>18,636</b>	<b>6,948</b>	<b>19,167</b>	<b>26,115</b>	<b>44,751</b>
<b>Zoning Floor Area</b>	<b>27,558</b>	<b>76,719</b>	<b>104,277</b>	<b>22,395</b>	<b>101,497</b>	<b>123,892</b>	<b>228,169</b>
<b>Proposed Residential Zoning Floor Area</b>							
Total Zoning Floor Area	27,558	76,719	104,277	22,395	101,497	123,892	228,169
Commercial Floor Area	1,758		1,758	1,994	1,180	3,174	4,932
<b>Total Residential Floor Area</b>	<b>25,800</b>	<b>76,719</b>	<b>102,519</b>	<b>20,401</b>	<b>100,317</b>	<b>120,718</b>	<b>223,237</b>

Notes:  
 \* Includes Community Rooms, 50% of corridor (daylit), 50% of corridor (density), 12 sf per Refuse Room, and Laundry Room deductions  
 \* See drawings G-014 to G-018 for Zoning Deductions

3 Zoning Floor Area Calculations  
NTS

Building 1A

Unit Type	0BR	1BR	2BR	3BR	Total per Floor	Zoning District	
						R7A	R8X
Low Rise					6	6	
1	2	2	4	0	8	0	8
2	0	6	5	1	12	4	8
3	0	6	5	1	12	4	8
4	0	5	6	1	12	4	8
5	0	5	6	1	12	4	8
6	0	5	6	1	12	4	8
7	1	6	5	0	12	4	8
8	1	6	5	0	12	4	8
9	1	6	5	0	12	4	8
<b>Total</b>	<b>5</b>	<b>47</b>	<b>53</b>	<b>5</b>	<b>110</b>	<b>38</b>	<b>72</b>
	4.55%	42.73%	48.18%	4.55%			

Building 1B

Unit Type	0BR	1BR	2BR	3BR	Total per Floor	Zoning District	
						R7A	R8X
1	0	1	4	1	6	2	4
2	1	5	5	1	12	3	9
3	1	5	5	1	12	3	9
4	1	5	5	1	12	3	9
5	1	5	5	1	12	3	9
6	1	5	5	1	12	3	9
7	1	6	4	0	11	2	9
8	1	6	4	0	11	4	7
9	0	5	4	0	9	0	9
10	0	2	3	0	5	0	5
11	0	2	3	0	5	0	5
12	0	2	3	0	5	0	5
13	0	2	3	0	5	0	5
14	1	2	2	0	5	0	5
15	1	2	2	0	5	0	5
<b>Total</b>	<b>9</b>	<b>55</b>	<b>57</b>	<b>6</b>	<b>127</b>	<b>23</b>	<b>104</b>
	7.09%	43.31%	44.88%	4.72%			

Total Block 3013-N

Unit Type	0BR	1BR	2BR	3BR	Total per Floor	Zoning District	
						R7A	R8X
<b>Total</b>	<b>14</b>	<b>102</b>	<b>110</b>	<b>11</b>	<b>237</b>	<b>61</b>	<b>176</b>

Percentage for combined 2BR and 3BR

Building 1A= 52.73%  
 Building 1B= 49.61%  
 Buildings 1A & 1B= 51.05%

2 Dwelling Unit Counts  
NTS

ACCESSIBLE UNITS SUMMARY				
Typical Floor	Name	Unit Type	Number	DU Accessibility
<b>1A</b>				
FLOOR 1	0BR	A	1A	Fully Accessible-Mobility
FLOOR 2 TO 3	2BR	J	2J	Fully Accessible-Mobility
FLOOR 2 TO 3	1BR	1A	2M	Fully Accessible-Mobility
FLOOR 2 TO 3	3BR	GZ	2G	Fully Accessible-Mobility
	2BR	1	3J	Fully Accessible-Mobility
	1BR	1A	3M	Fully Accessible-Mobility
FLOOR 4 TO 6	2BR	J	4J	Fully Accessible-Mobility
FLOOR 4 TO 6	1BR	M	4M	Fully Accessible-Mobility
	2BR	1	5J	Fully Accessible-Mobility
	1BR	1A	5M	Fully Accessible-Mobility
	2BR	1	6J	Fully Accessible-Mobility
	1BR	1A	6M	Fully Accessible-Mobility
<b>12</b>				
FLOOR 1 TH	2BR	A	1A	Fully Accessible-Hearing/Vision
FLOOR 1 TH	2BR	B	1B	Fully Accessible-Hearing/Vision
FLOOR 2 TO 3	1BR	H	2H	Fully Accessible-Hearing/Vision
	1BR	1	3H	Fully Accessible-Hearing/Vision
FLOOR 4 TO 6	3BR	G	4G	Fully Accessible-Hearing/Vision
FLOOR 7 TO 8	0BR	M	7M	Fully Accessible-Hearing/Vision
<b>1B</b>				
FLOOR 1	3BR	F	1F	Fully Accessible-Mobility
FLOOR 2 TO 3	1BR	G	2G	Fully Accessible-Mobility
	1BR	1	3G	Fully Accessible-Mobility
FLOOR 4 TO 6	1BR	G	4G	Fully Accessible-Mobility
	1BR	1	5G	Fully Accessible-Mobility
	1BR	1	6G	Fully Accessible-Mobility
FLOOR 7 TO 8	0BR	G	7G	Fully Accessible-Mobility
	0BR	G	8G	Fully Accessible-Mobility
FLOOR 10 TO 13	2BR	C3	10C	Fully Accessible-Mobility
	2BR	9	11C	Fully Accessible-Mobility
	2BR	9	12C	Fully Accessible-Mobility
	2BR	9	13C	Fully Accessible-Mobility
FLOOR 14 TO 15	2BR	9	14C	Fully Accessible-Mobility
	2BR	9	15C	Fully Accessible-Mobility
<b>14</b>				
FLOOR 2 TO 3	0BR	M	2M	Fully Accessible-Hearing/Vision
FLOOR 2 TO 3	2BR	H	2H	Fully Accessible-Hearing/Vision
	2BR	1	3H	Fully Accessible-Hearing/Vision
FLOOR 4 TO 6	3BR	F2	4F	Fully Accessible-Hearing/Vision
FLOOR 4 TO 6	1BR	1A	4L	Fully Accessible-Hearing/Vision
	1BR	1A	5L	Fully Accessible-Hearing/Vision
	1BR	1A	6L	Fully Accessible-Hearing/Vision
<b>7</b>				

BUILDING 1A AND 1B COMBINED

Fully Accessible and fully adapted units for mobility impairment:

26 DUs/ 237 DUS= 10.9%

Fully Accessible and fully adapted units for hearing or vision impairment:

13 DUs/ 237 DUS= 5.5%

ACCESSIBILITY LEGEND



**Fully Accessible and Adapted, Move-in Ready Units for persons with Mobility Impairments**  
 (including all requirements included in ANSI 117.1-2003, Chapter 10- Dwelling Units and Sleeping Units (as modified by NYS Code)

Including, but not limited to: entrances, turning space, doors and doorways, operable parts, toilet and bathing facilities with roll-in shower, kitchens and cabinetry, storage and appliances.



**V/H Fully Accessible and Adapted, Move-in Ready Units for persons with Vision and Hearing Impairments**  
 (including all requirements included in ANSI 117.1-2003, Chapter 10- Dwelling Units and Sleeping Units (as modified by NYS Code)

Including, but not limited to: building entrances, primary unit entrance, smoke detection, fire alarm system, appliances and closed circuit communication system.

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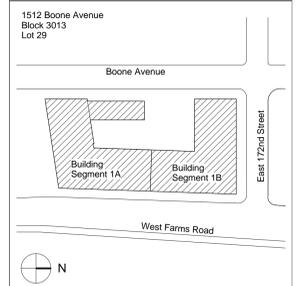
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Revisions

DOB # 220210368-BX



Key Plan  
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Area Summary and Dwelling Unit Counts

Date May 7, 2013

Scale Not to Scale

Drawn By EV

Checked By WS

Project No. 1130.00 Seal

Sheet No.

G-020.00







**Compass Residences**

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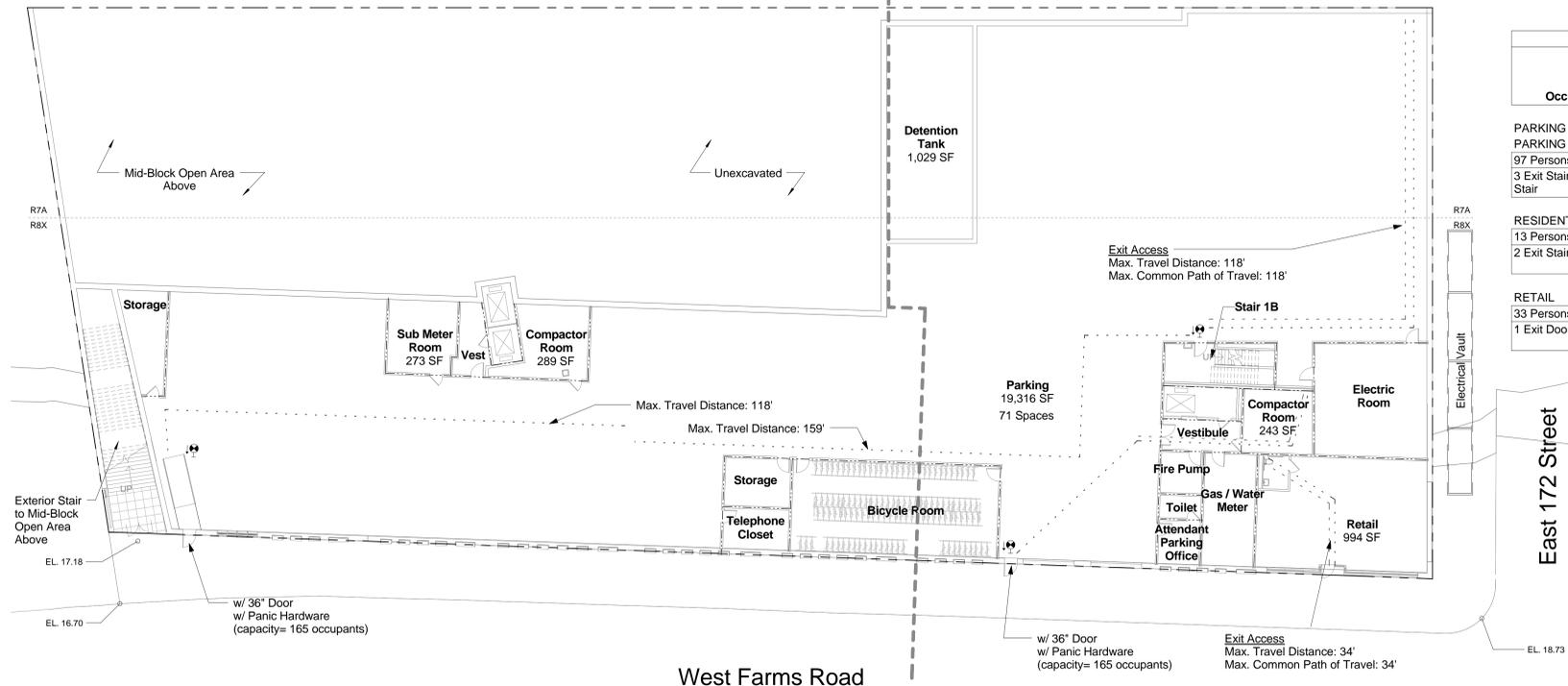
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Exit Tabulations- Parking Level								
Occupants / Floor		Stair Width	Corridor Width	Max Dead End Corridor	Max Travel Distance	Common Travel Path	Exterior / Stair Door Widths	Doors at Max Occupied Rooms

PARKING LEVEL								
PARKING								
97 Persons	Provided	44"	60"	n/a	118'	n/a	36" Door, 33' clear	36" Door, 33' clear
3 Exit Stairs= 33 Persons / Stair	Required/Max	33 x 0.3'=9.9" [1] or 44" [2]	97 x 0.2'=19.4" [1] or 44" [2]		250'		33 x 0.2'= 6.6" [1] or 32" clear [7]	97 x 0.2'= 19.4" [1] or 32" clear [7]

RESIDENTIAL								
13 Persons	Provided	44"	60"	n/a	90'	47'	36" Door, 33' clear	36" Door, 33' clear
2 Exit Stairs= 7 Persons / Stair	Required/Max	7 x 0.3'=2.1" [1] or 44" [2]	13 x 0.2'= 2.6" [1] or 44" [2]	40' [4]	200' [5]	75[6]	7 x 0.2'= 1.4" [1] or 32" clear [7]	13 x 0.2'= 2.6" [1] or 32" clear [7]

RETAIL								
33 Persons	Provided	n/a	60"	n/a	34'	34'	36" Door, 33' clear	36" Door, 33' clear
1 Exit Door= 33 Persons / Door	Required/Max	n/a	33 x 0.2'= 6.6" [1] or 44" [2]	40'	200'	75'	36 x 0.2'= 7.2" [1] or 32" clear [7]	36 x 0.2'= 7.2" [1] or 32" clear [7]



**1 Egress Plan- Parking Level**  
1/16" = 1'-0"

- NOTES:**
- [1] per BC Table 1005.1
  - [2] per BC Section 1009.1
  - [3] per BC Section 1016.2
  - [4] per BC Section 1016.3 (40'; 90' for R-2, if corridor is completely enclosed in 2-hr fire resistance rated construction)
  - [5] per BC Table 1015.1 (200' for R-2, if building is fully sprinklered)
  - [6] per BC Section 1013.3 (75' for R-2)
  - [7] per BC Section 1008.1.1.1

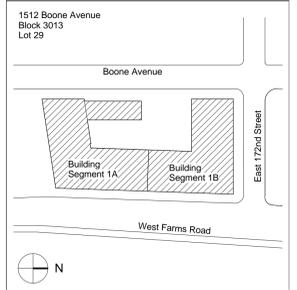
**LEGEND**

Max Travel Distance	-----
Max Dead End Distance	-----
Max Common Path of Travel	-----
1-hr Rated Walls	-----
2-hr Rated Walls	-----
3-hr Rated Walls	-----

PARTITION TYPES USED AT STAIR AND ELEVATOR ENCLOSURES TO BE MASONRY EQUIVALENT AND IMPACT RESISTANT. SEE GENERAL NOTES IN DWG A-600.

Revisions

**DOB # 220210368-BX**



Key Plan  
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**Egress Plans Parking Level**

Date: May 7, 2013

Scale: As indicated

Drawn By: JW

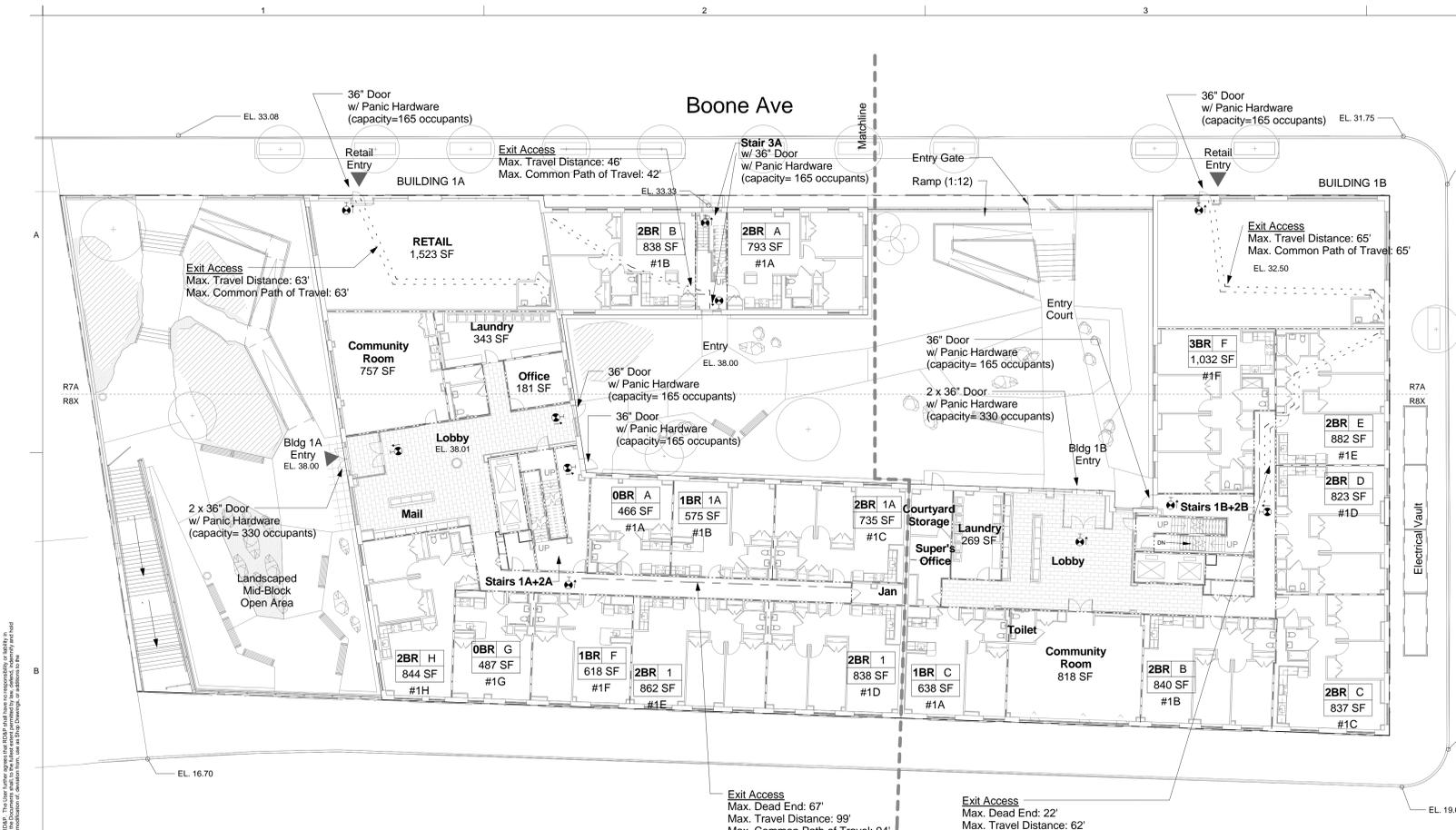
Checked By: EV

Project No.: 1130.00

Sheet No. Seal



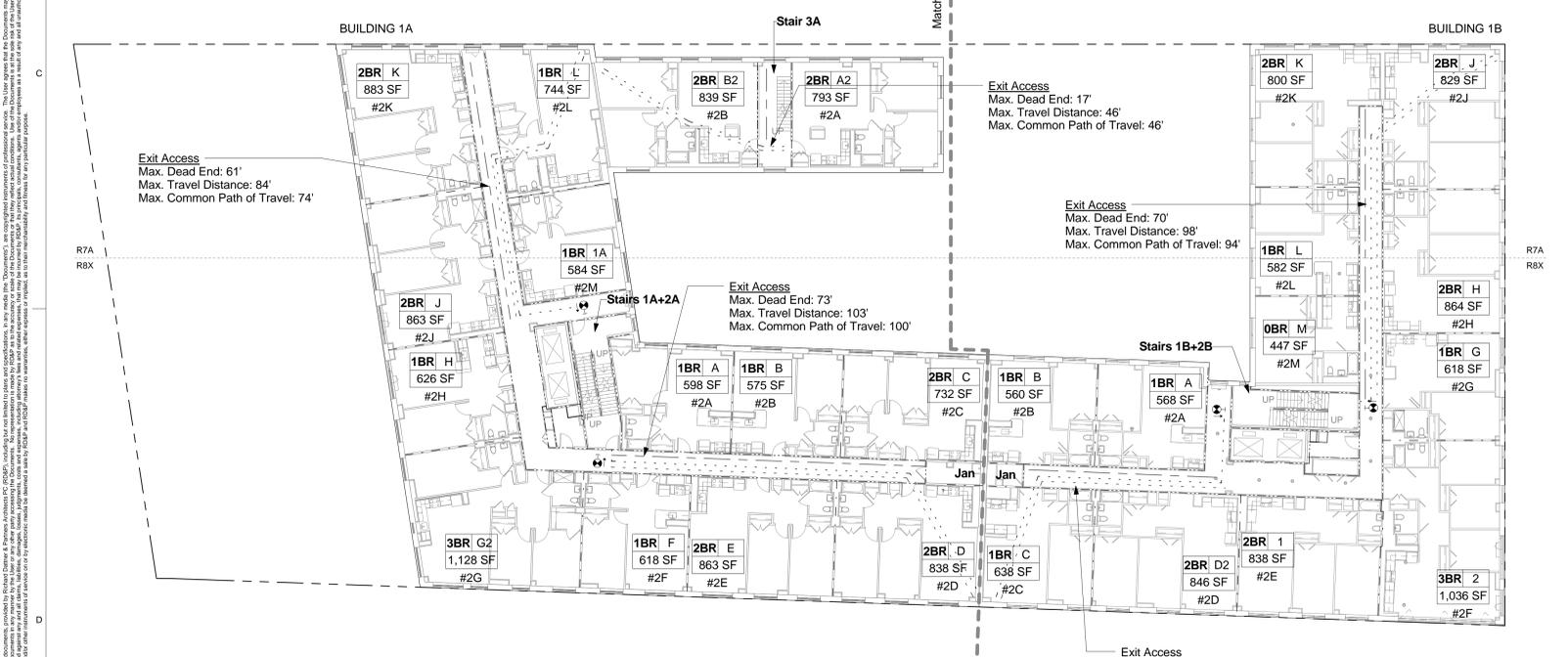
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**Exit Tabulations- Floor 1**

Occupants / Floor	Stair Width	Corridor Width	Max Dead End Corridor	Max Travel Distance	Common Travel Path	Exterior / Stair Door Widths	Doors at Max Occupied Rooms
<b>BUILDING 1A FLOOR 1</b>							
92 Persons	Provided	n/a	60"	99'	94'	36" Door, 33" clear	36" Door, 33" clear
2 Exit Doors= 46 Persons / Door	Required/Max	n/a	92" x 0.2"= 18.4" [1] or 44" [2]	200' [5]	75[6]	46 x 0.2"= 9.2" [1] or 32" clear [7]	46 x 0.2"= 9.2" [1] or 32" clear [7]
<b>FLOOR 1 RETAIL</b>							
53 Persons	Provided	n/a	n/a	63'	63'	36" Door, 33" clear	36" Door, 33" clear
1 Exit Doors= 53 Persons / Door	Required/Max	n/a	53" x 0.2"= 10.6" [1] or 44" [2]	200'	75'	53 x 0.2"= 10.6" [1] or 32" clear [7]	53 x 0.2"= 10.6" [1] or 32" clear [7]
<b>FLOOR 1 TH</b>							
8 Persons	Provided	n/a	48"	46'	42'	36" Door, 33" clear	36" Door, 33" clear
1 Exit Door = 8 Persons / Door	Required/Max	n/a	8 x 0.2"= 1.6" [1] or 44" [2]	200' [5]	75[6]	8 x 0.2"= 1.6" [1] or 32" clear [7]	4 x 0.2"= 0.8" [1] or 32" clear [7]
<b>BUILDING 1B FLOOR 1</b>							
91 Persons	Provided	n/a	60"	62'	58'	36" Door, 33" clear	36" Door, 33" clear
2 Exit Doors= 46 Persons / Door	Required/Max	n/a	91 x 0.2"= 18.2" [1] or 44" [2]	200' [5]	75[6]	46 x 0.2"= 9.2" [1] or 32" clear [7]	46 x 0.2"= 9.2" [1] or 32" clear [7]
<b>FLOOR 1 RETAIL</b>							
60 Persons	Provided	n/a	n/a	65'	65'	36" Door, 33" clear	36" Door, 33" clear
2 Exit Doors= 30 Persons / Door	Required/Max	n/a	60 x 0.2"= 12.0" [1] or 44" [2]	200'	75'	30 x 0.2"= 6.0" [1] or 32" clear [7]	60 x 0.2"= 12.0" [1] or 32" clear [7]

**1 Egress Plan- First Floor**  
1/16" = 1'-0"



**Exit Tabulations- Floor 2 to 3**

Occupants / Floor	Stair Width	Corridor Width	Max Dead End Corridor	Max Travel Distance	Common Travel Path	Exterior / Stair Door Widths	Doors at Max Occupied Rooms
<b>BUILDING 1A FLOOR 2 TO 3</b>							
45 Persons	Provided	44"	60"	103'	100'	36" Door, 33" clear	36" Door, 33" clear
2 Exit Stairs= 23 Persons / Stair	Required/Max	23 x 0.3"= 6.9" [1] or 44" [2]	45 x 0.2"= 9.0" [1] or 44" [2]	200' [5]	75[6]	23 x 0.2"= 4.6" [1] or 32" clear [7]	4 x 0.2"= 1.2" [1] or 32" clear [7]
<b>FLOOR 2 TO 3 TH</b>							
8 Persons	Provided	36"	48"	46'	46'	36" Door, 33" clear	36" Door, 33" clear
1 Exit Stairs= 8 Persons / Stair	Required/Max	8 x 0.3"= 2.4" [1] or 44" [2]	8 x 0.2"= 1.6" [1] or 44" [2]	200' [5]	75[6]	8 x 0.2"= 1.6" [1] or 32" clear [7]	4 x 0.2"= 0.8" [1] or 32" clear [7]
<b>BUILDING 1B FLOOR 2 TO 3</b>							
42 Persons	Provided	44"	60"	98'	94'	36" Door, 33" clear	36" Door, 33" clear
2 Exit Stairs= 21 Persons / Stair	Required/Max	21 x 0.3"= 6.3" [1] or 44" [2]	42 x 0.2"= 8.4" [1] or 44" [2]	200' [5]	75[6]	21 x 0.2"= 4.2" [1] or 32" clear [7]	6 x 0.2"= 1.2" [1] or 32" clear [7]

**2 Egress Plan- 2nd and 3rd Floor**  
1/16" = 1'-0"

**NOTES:**  
 [1] per BC Table 1005.1  
 [2] per BC Section 1009.1  
 [3] per BC Section 1016.2  
 [4] per BC Section 1016.3 (40'; 80' for R-2, if corridor is completely enclosed in 2-hr fire resistance rated construction)  
 [5] per BC Table 1015.1 (200' for R-2, if building is fully sprinklered)  
 [6] per BC Section 1013.3 (75' for R-2)  
 [7] per BC Section 1008.1.1.1

**LEGEND**

Max Travel Distance	---
Max Dead End Distance	---
Max Common Path of Travel	---
1-hr Rated Walls	---
2-hr Rated Walls	---
3-hr Rated Walls	---

PARTITION TYPES USED AT STAIR AND ELEVATOR ENCLOSURES TO BE MASONRY EQUIVALENT AND IMPACT RESISTANT. SEE GENERAL NOTES IN DWG A-600.

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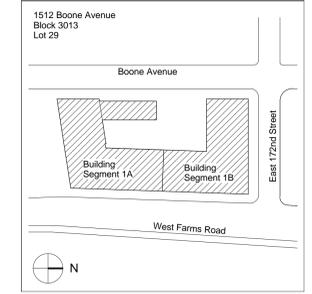
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Revisions  
**DOB # 220210368-BX**



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**Egress Plans Floor 1 and Floors 2 to 3**

Date: May 7, 2013  
 Scale: As indicated  
 Drawn By: JW  
 Checked By: EV  
 Project No.: 1130.00  
 Sheet No.: **G-023.00**



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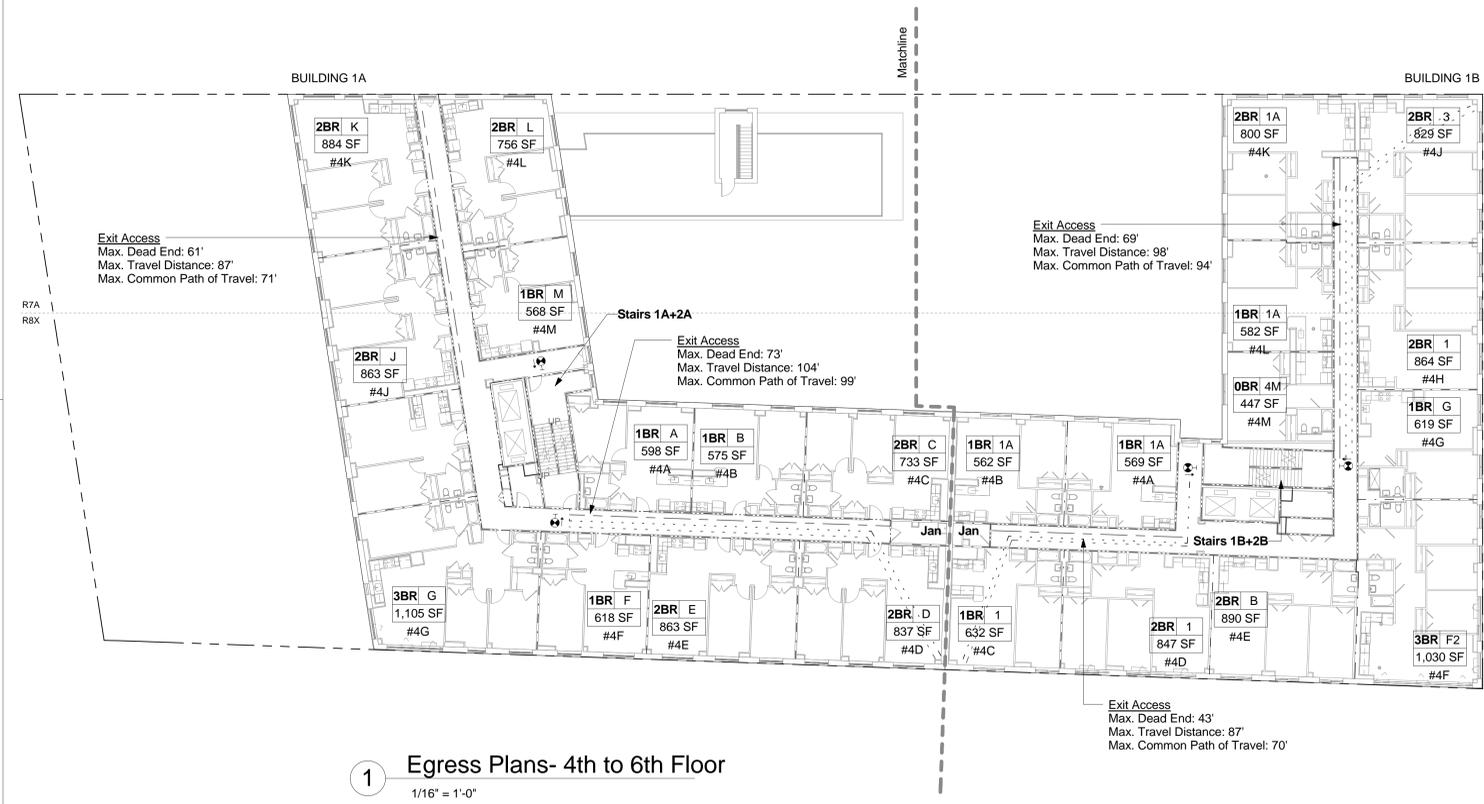
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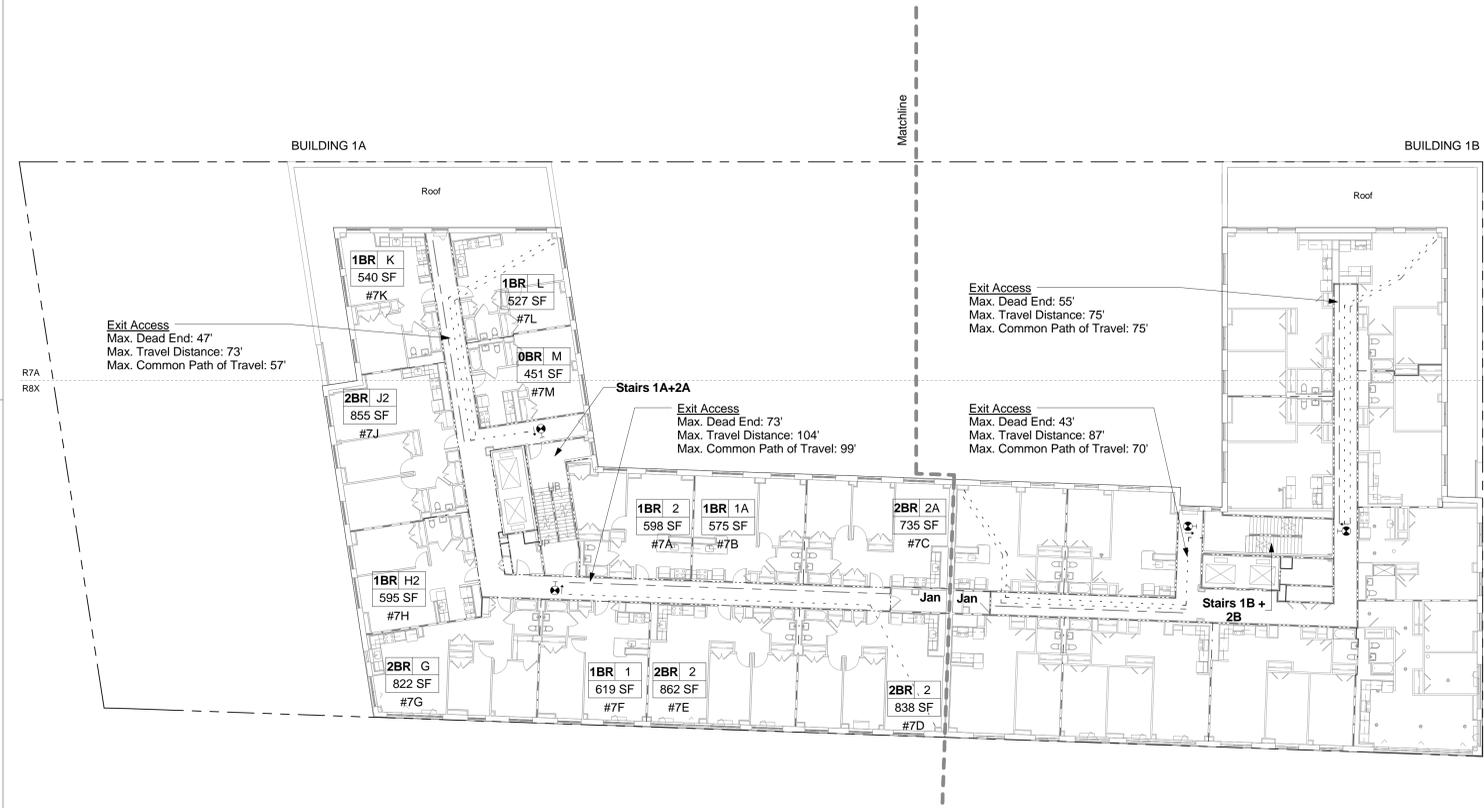


1 Egress Plans- 4th to 6th Floor  
1/16" = 1'-0"

Exit Tabulations- Floor 4 to 6								
Occupants / Floor		Stair Width	Corridor Width	Max Dead End Corridor	Max Travel Distance	Common Travel Path	Exterior / Stair Door Widths	Doors at Max Occupied Rooms

BUILDING 1A FLOOR 4 TO 6								
45 Persons	Required/Max	44"	60"	73'	104'	99'	36" Door, 33" clear	36" Door, 33" clear
2 Exit Stairs= 23 Persons / Stair	Required/Max	23 x 0.3"=6.9" [1] or 44" [2]	45 x 0.2"= 9.0" [1] or 44" [2]	40' [4]	200' [5]	75[6]	23 x 0.2"= 4.6" [1] or 32" clear [7]	6 x 0.2"= 1.2" [1] or 32" clear [7]

BUILDING 1B FLOOR 4 TO 6								
42 Persons	Provided	44"	60"	69'	101'	96'	36" Door, 33" clear	36" Door, 33" clear
2 Exit Stairs= 21 Persons / Stair	Required/Max	21 x 0.3"=6.3" [1] or 44" [2]	42 x 0.2"= 8.4" [1] or 44" [2]	40' [4]	200' [5]	75[6]	21 x 0.2"= 4.2" [1] or 32" clear [7]	6 x 0.2"= 1.2" [1] or 32" clear [7]



2 Egress Plan- 7th and 8th Floor  
1/16" = 1'-0"

Exit Tabulations- Floor 7 to 8								
Occupants / Floor		Stair Width	Corridor Width	Max Dead End Corridor	Max Travel Distance	Common Travel Path	Exterior / Stair Door Widths	Doors at Max Occupied Rooms

BUILDING 1A FLOOR 7 TO 8								
40 Persons	Provided	44"	60"	73'	104'	99'	36" Door, 33" clear	36" Door, 33" clear
2 Exit Stairs= 20 Persons / Stair	Required/Max	20 x 0.3"=6.0" [1] or 44" [2]	40 x 0.2"= 8.0" [1] or 44" [2]	40' [4]	200' [5]	75[6]	20 x 0.2"= 4.0" [1] or 32" clear [7]	5 x 0.2"= 1.0" [1] or 32" clear [7]

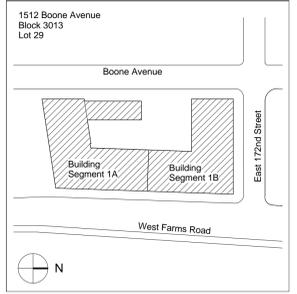
BUILDING 1B FLOOR 7 TO 8								
37 Persons	Provided	44"	60"	55'	75'	75'	36" Door, 33" clear	36" Door, 33" clear
2 Exit Stairs= 19 Persons / Stair	Required/Max	19 x 0.3"=5.7" [1] or 44" [2]	37 x 0.2"= 7.4" [1] or 44" [2]	40' [4]	200' [5]	75[6]	19 x 0.2"= 3.8" [1] or 32" clear [7]	5 x 0.2"= 1.0" [1] or 32" clear [7]

- NOTES:
- [1] per BC Table 1005.1
  - [2] per BC Section 1009.1
  - [3] per BC Section 1016.2
  - [4] per BC Section 1016.3 (40'; 80' for R-2, if corridor is completely enclosed in 2-hr fire resistance rated construction)
  - [5] per BC Table 1015.1 (200' for R-2, if building is fully sprinklered)
  - [6] per BC Section 1013.3 (75' for R-2)
  - [7] per BC Section 1008.1.1.1

LEGEND	
Max Travel Distance	-----
Max Dead End Distance	-----
Max Common Path of Travel	-----
1-hr Rated Walls	-----
2-hr Rated Walls	-----
3-hr Rated Walls	-----
PARTITION TYPES USED AT STAIR AND ELEVATOR ENCLOSURES TO BE MASONRY EQUIVALENT AND IMPACT RESISTANT. SEE GENERAL NOTES IN DWG A-600.	

Revisions

DOB # 220210368-BX



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Egress Plans- Floors 4 to 6 and Floors 7 to 8

Date: May 7, 2013  
Scale: As indicated  
Drawn By: JW  
Checked By: EV  
Project No.: 1130.00  
Sheet No.: G-024.00



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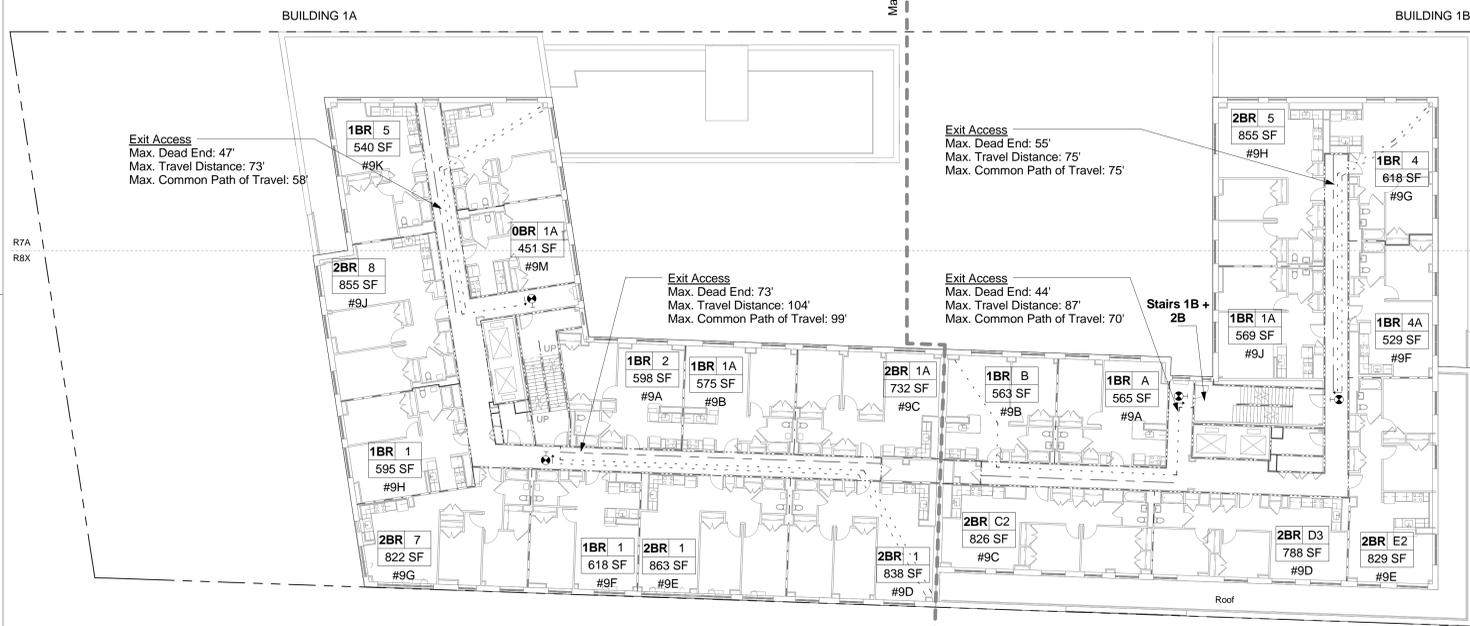
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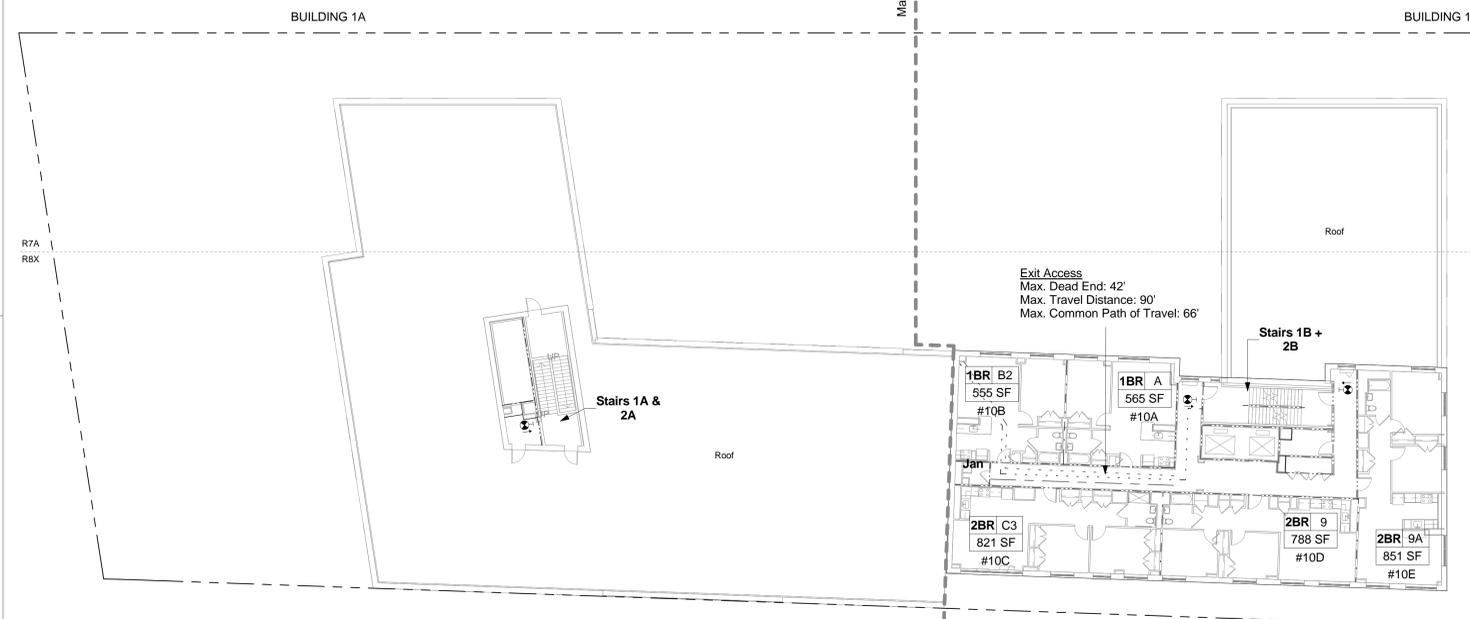


Exit Tabulations- Floor 9								
Occupants / Floor		Stair Width	Corridor Width	Max Dead End Corridor	Max Travel Distance	Common Travel Path	Exterior / Stair Door Widths	Doors at Max Occupied Rooms

BUILDING 1A FLOOR 9								
40 Persons	Provided	44"	60"	73'	104'	99'	36" Door, 33" clear	36" Door, 33" clear
2 Exit Stairs= 20 Persons / Stair	Required/Max	20 x 0.3"-6.0" [1] or 44" [2]	40 x 0.2"- 8.0" [1] or 44" [2]	40' [4]	200' [5]	75[6]	20 x 0.2"- 4.0" [1] or 32" clear [7]	5 x 0.2"- 1.0" [1] or 32" clear [7]

BUILDING 1B FLOOR 9								
31 Persons	Provided	44"	60"	55'	87'	75'	36" Door, 33" clear	36" Door, 33" clear
2 Exit Stairs= 16 Persons / Stair	Required/Max	16 x 0.3"-4.8" [1] or 44" [2]	31 x 0.2"- 6.2" [1] or 44" [2]	40' [4]	200' [5]	75[6]	16 x 0.2"- 3.2" [1] or 32" clear [7]	5 x 0.2"- 1.0" [1] or 32" clear [7]

1 Egress Plan- 9th Floor  
1/16" = 1'-0"



Exit Tabulations- Floor 10 to 13								
Occupants / Floor		Stair Width	Corridor Width	Max Dead End Corridor	Max Travel Distance	Common Travel Path	Exterior / Stair Door Widths	Doors at Max Occupied Rooms

BUILDING 1A FLOOR 10 TO 13								
4 Persons	Provided	44"	60"	n/a	80'	64'	36" Door, 33" clear	36" Door, 33" clear
2 Exit Stairs= 2 Persons / Stair	Required/Max	9 x 0.3"-0.6" [1] or 44" [2]	4 x 0.2"- 0.8" [1] or 44" [2]	40' [4]	200' [5]	75[6]	2 x 0.2"- 0.4" [1] or 32" clear [7]	4 x 0.2"- 0.8" [1] or 32" clear [7]

BUILDING 1B FLOOR 10 TO 13								
18 Persons	Provided	44"	60"	42'	90'	66'	36" Door, 33" clear	36" Door, 33" clear
2 Exit Stairs= 9 Persons / Stair	Required/Max	9 x 2.7"-3" [1] or 44" [2]	18 x 0.2"- 3.6" [1] or 44" [2]	40' [4]	200' [5]	75[6]	9 x 0.2"- 1.8" [1] or 32" clear [7]	5 x 0.2"- 1.0" [1] or 32" clear [7]

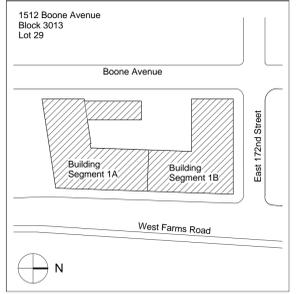
2 10th to 13th Floor Plan  
1/16" = 1'-0"

- NOTES:  
 [1] per BC Table 1005.1  
 [2] per BC Section 1009.1  
 [3] per BC Section 1016.2  
 [4] per BC Section 1016.3 (40'; 80' for R-2, if corridor is completely enclosed in 2-hr fire resistance rated construction)  
 [5] per BC Table 1015.1 (200' for R-2, if building is fully sprinklered)  
 [6] per BC Section 1013.3 (75' for R-2)  
 [7] per BC Section 1008.1.1.1

LEGEND	
Max Travel Distance	-----
Max Dead End Distance	-----
Max Common Path of Travel	-----
1-hr Rated Walls	-----
2-hr Rated Walls	-----
3-hr Rated Walls	-----
PARTITION TYPES USED AT STAIR AND ELEVATOR ENCLOSURES TO BE MASONRY EQUIVALENT AND IMPACT RESISTANT. SEE GENERAL NOTES IN DWG A-600.	

Revisions

**DOB # 220210368-BX**



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**Egress Plans- Floor 9 and Floors 10 to 13**

Date	May 7, 2013
Scale	As indicated
Drawn By	JW
Checked By	EV
Project No.	1130.00
Sheet No.	Seal



**G-025.00**

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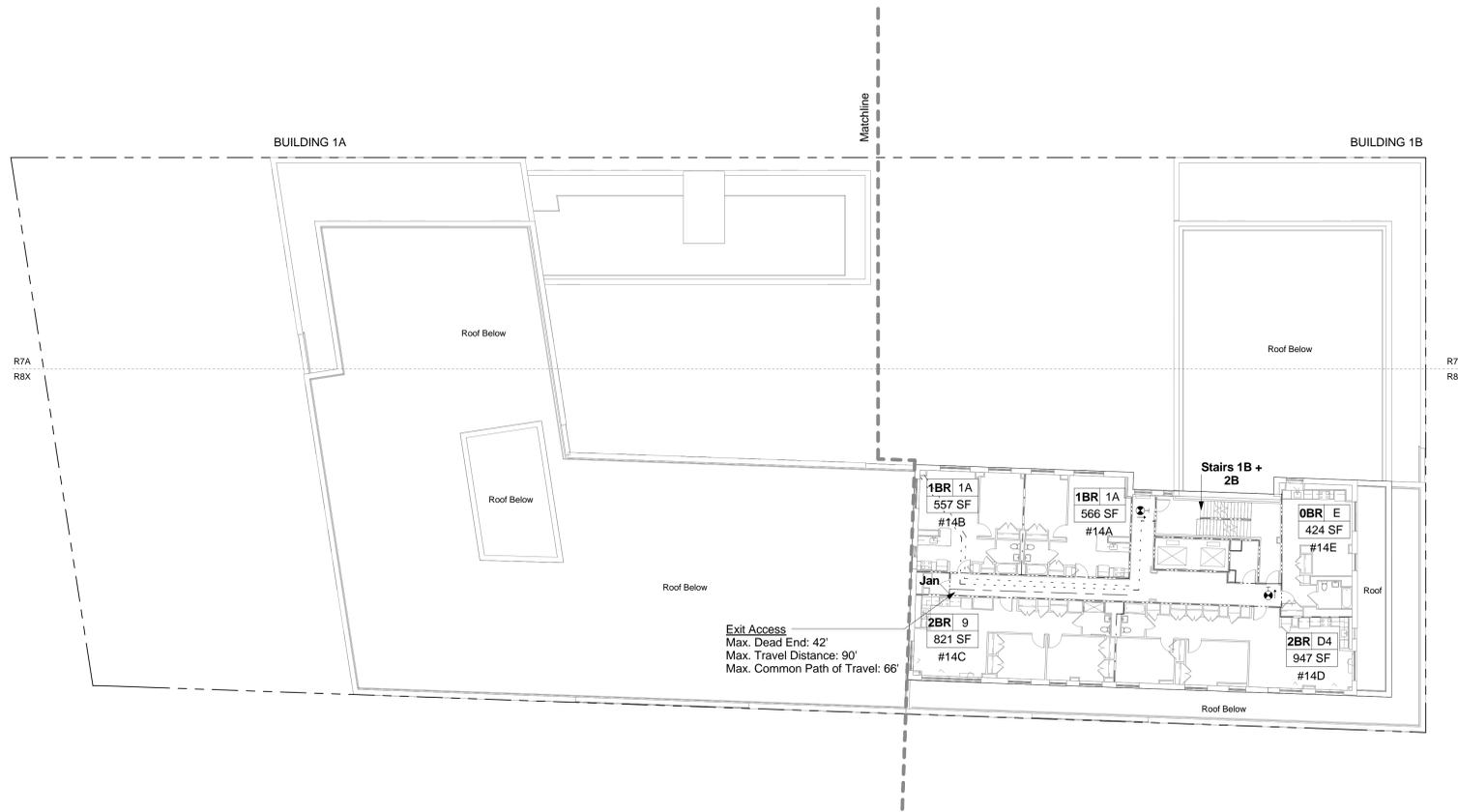
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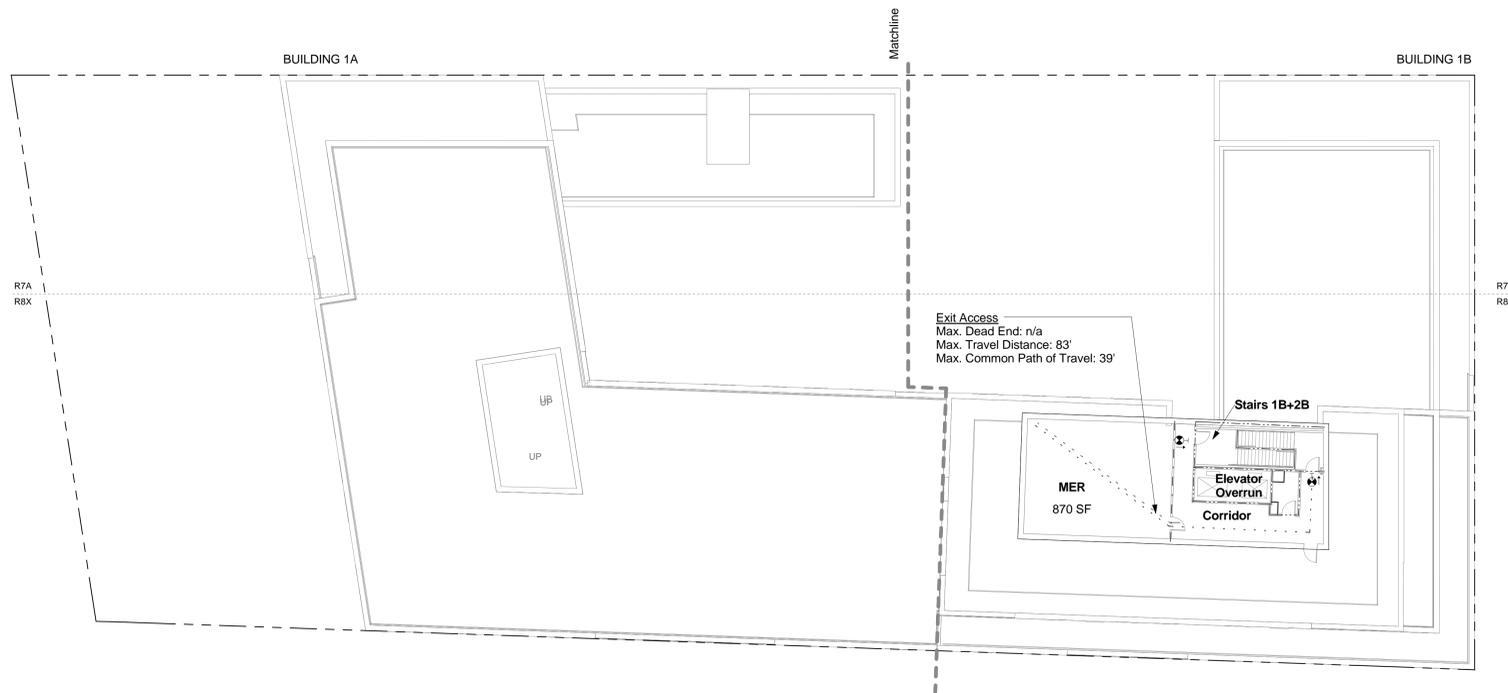
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Exit Tabulations- Floor 14 to 15								
Occupants / Floor		Stair Width	Corridor Width	Max Dead End Corridor	Max Travel Distance	Common Travel Path	Exterior / Stair Door Widths	Doors at Max Occupied Rooms
<b>BUILDING 1B</b>								
17 Persons	Provided	44"	60"	42'	90'	66'	36" Door, 33" clear	36" Door, 33" clear
2 Exit Stairs= 9 Persons / Stair	Required/Max	9 x 0.3"=2.7" [1] or 44" [2]	17 x 0.2"= 3.4" [1] or 44" [2]	40' [4]	200' [5]	75[6]	9 x 0.2"= 1.8" [1] or 32" clear [7]	5 x 0.2"= 1.0" [1] or 32" clear [7]



1 Egress Plan- 14th to 15th Floor  
1/16" = 1'-0"

Exit Tabulations- Floor 16								
Occupants / Floor		Stair Width	Corridor Width	Max Dead End Corridor	Max Travel Distance	Common Travel Path	Exterior / Stair Door Widths	Doors at Max Occupied Rooms
<b>BUILDING 1B</b>								
3 Persons	Provided	44"	60"	n/a	70'	27'	36" Door, 33" clear	36" Door, 33" clear
2 Exit Stairs= 2 Persons / Stair	Required/Max	2 x 0.3"=0.6" [1] or 44" [2]	3 x 0.2"= 0.6" [1] or 44" [2]	40' [4]	200' [5]	75[6]	2 x 0.2"= 0.4" [1] or 32" clear [7]	3 x 0.2"= 0.6" [1] or 32" clear [7]



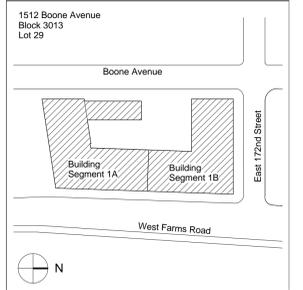
2 Egress Plan- Mechanical Penthouse 1B  
1/16" = 1'-0"

- NOTES:**  
 [1] per BC Table 1005.1  
 [2] per BC Section 1009.1  
 [3] per BC Section 1016.2  
 [4] per BC Section 1016.3 (40'; 80' for R-2, if corridor is completely enclosed in 2-hr fire resistance rated construction)  
 [5] per BC Table 1015.1 (200' for R-2, if building is fully sprinklered)  
 [6] per BC Section 1013.3 (75' for R-2)  
 [7] per BC Section 1008.1.1.1

LEGEND	
Max Travel Distance	-----
Max Dead End Distance	-----
Max Common Path of Travel	-----
1-hr Rated Walls	-----
2-hr Rated Walls	-----
3-hr Rated Walls	-----
PARTITION TYPES USED AT STAIR AND ELEVATOR ENCLOSURES TO BE MASONRY EQUIVALENT AND IMPACT RESISTANT. SEE GENERAL NOTES IN DWG A-600.	

Revisions

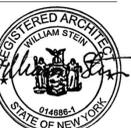
**DOB # 220210368-BX**



Key Plan  
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**Egress Plans- Floors 14 to 15 and Mechanical Penthouse**

Date: May 7, 2013  
 Scale: As indicated  
 Drawn By: JW  
 Checked By: EV  
 Project No.: 1130.00  
 Sheet No.: Seal



**G-026.00**



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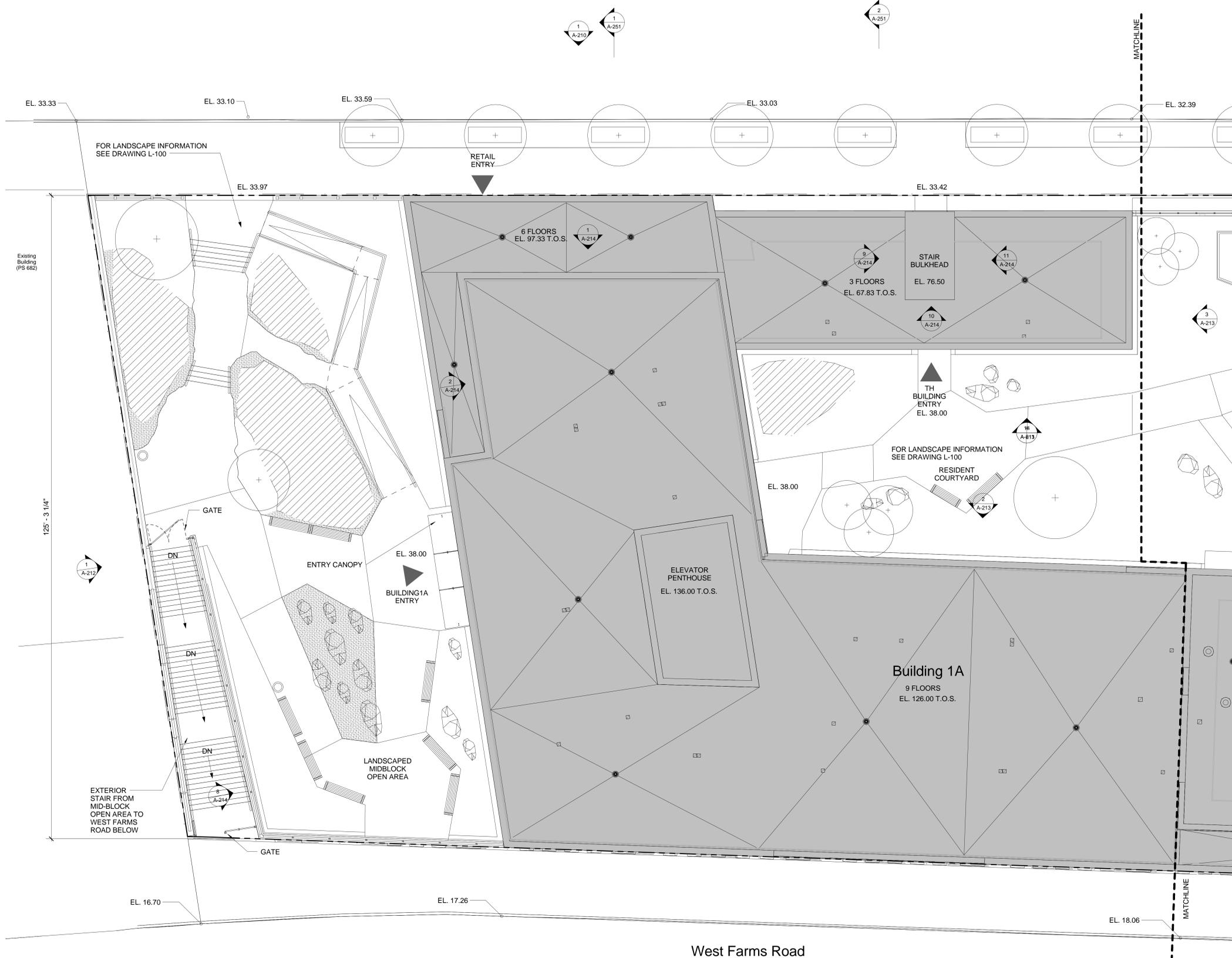
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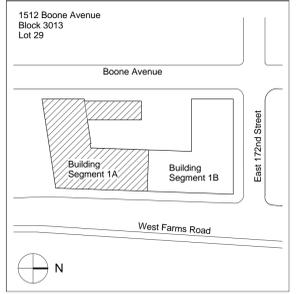
**1 Site Plan Building 1A**

1/8" = 1'-0"  
0 2 4 8 16 feet

SITE PLAN NOTES:  
ALL EXTERIOR LANDSCAPE AREAS TO BE FULLY HANDICAP ACCESSIBLE.

Revisions

**DOB # 220210368-BX**



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**Site Plan Building 1A**

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**A-010a.00**

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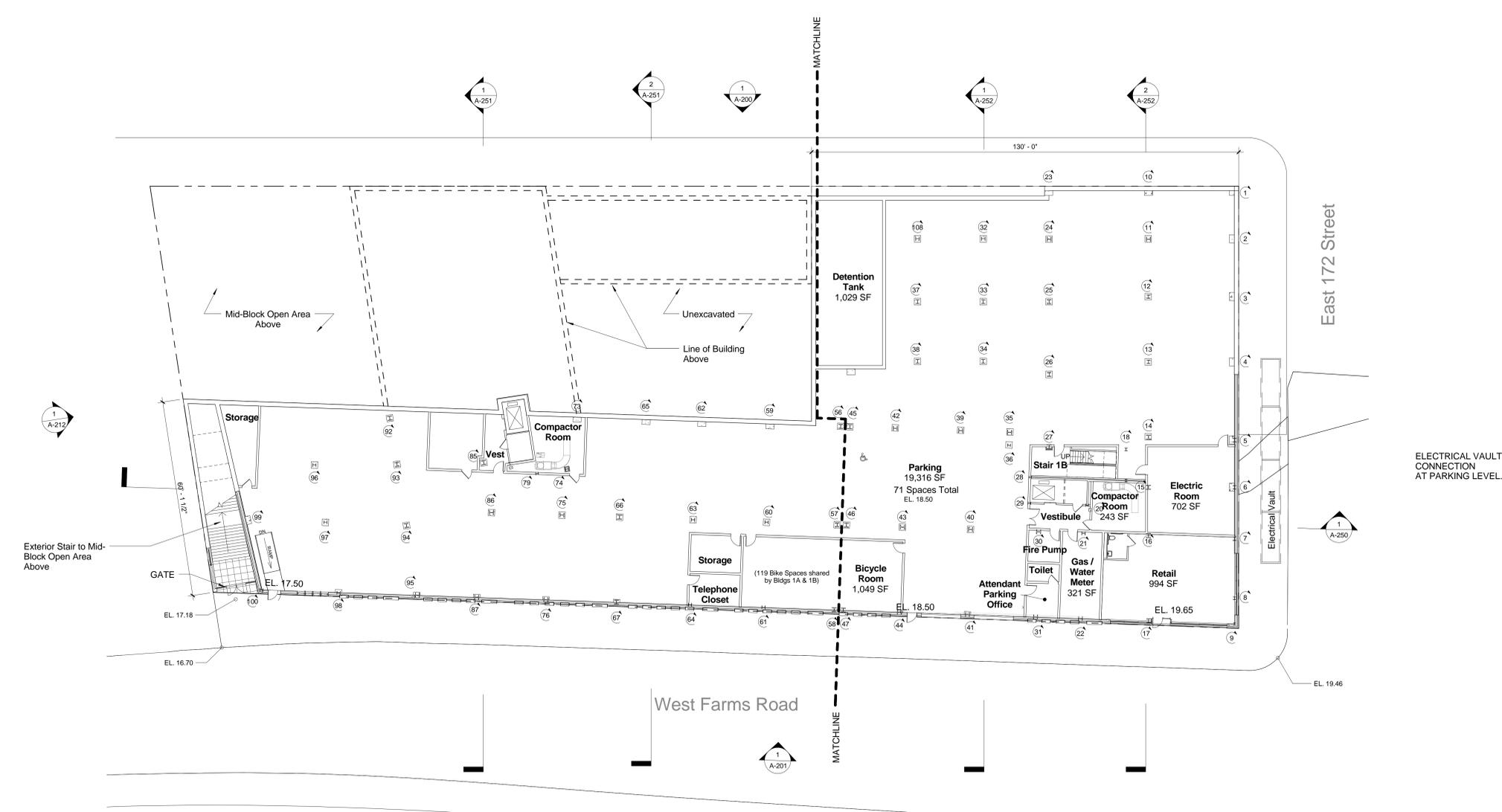
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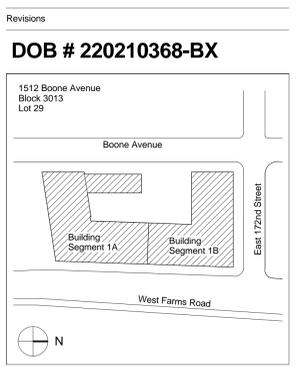
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**1** Parking Level North - Building 1B  
1/16" = 1'-0"  
0 4 8 16 32 feet



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**Parking Level Plan**

Date: May 7, 2013  
Scale: As indicated  
Drawn By: PC  
Checked By: WS  
Project No.: 1130.00  
Sheet No.: **A-101.00**



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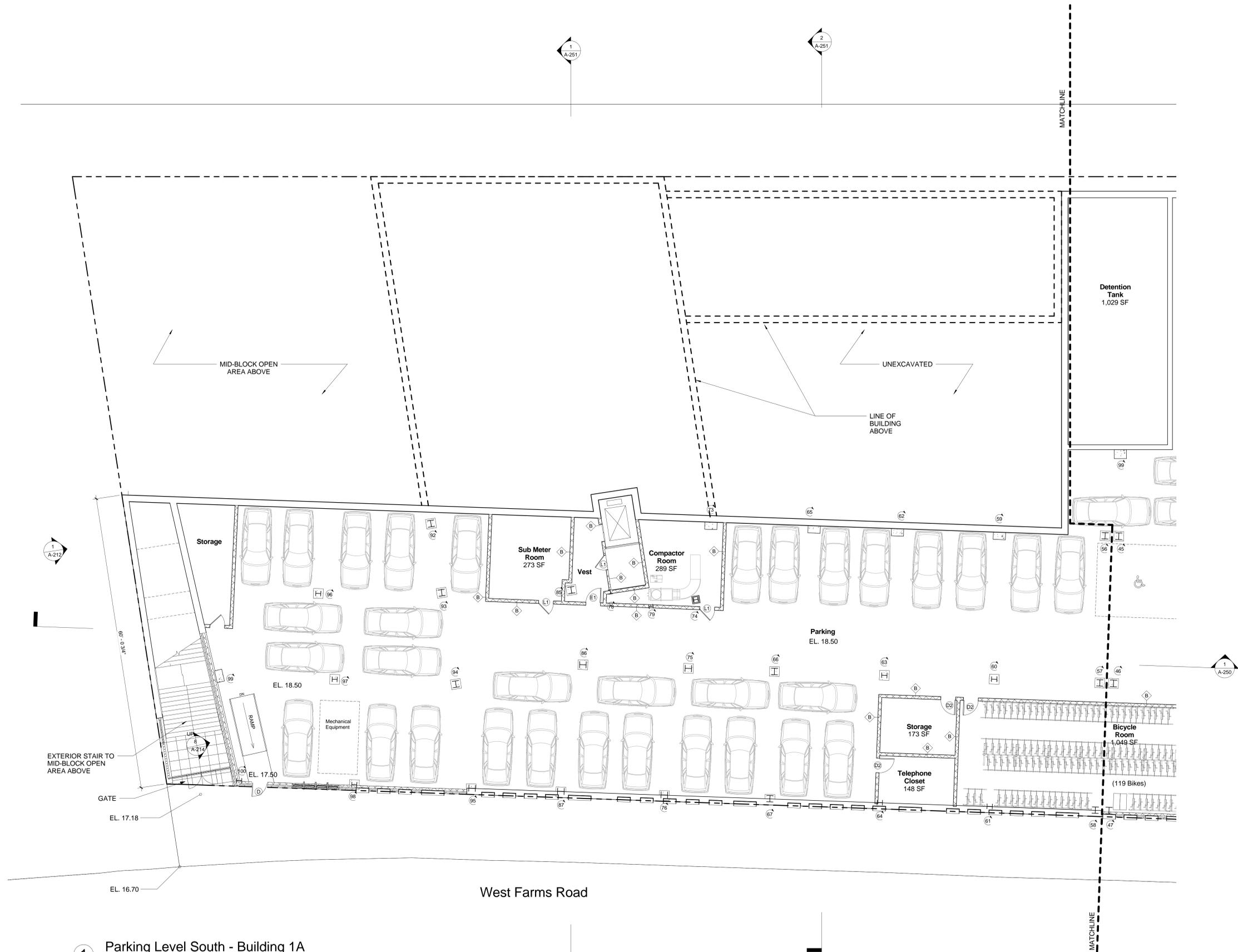
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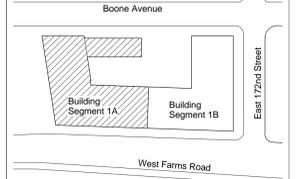
1 Parking Level South - Building 1A

1/8" = 1'-0"  
0 2 4 8 16 feet

Revisions

**DOB # 220210368-BX**

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Lot 29



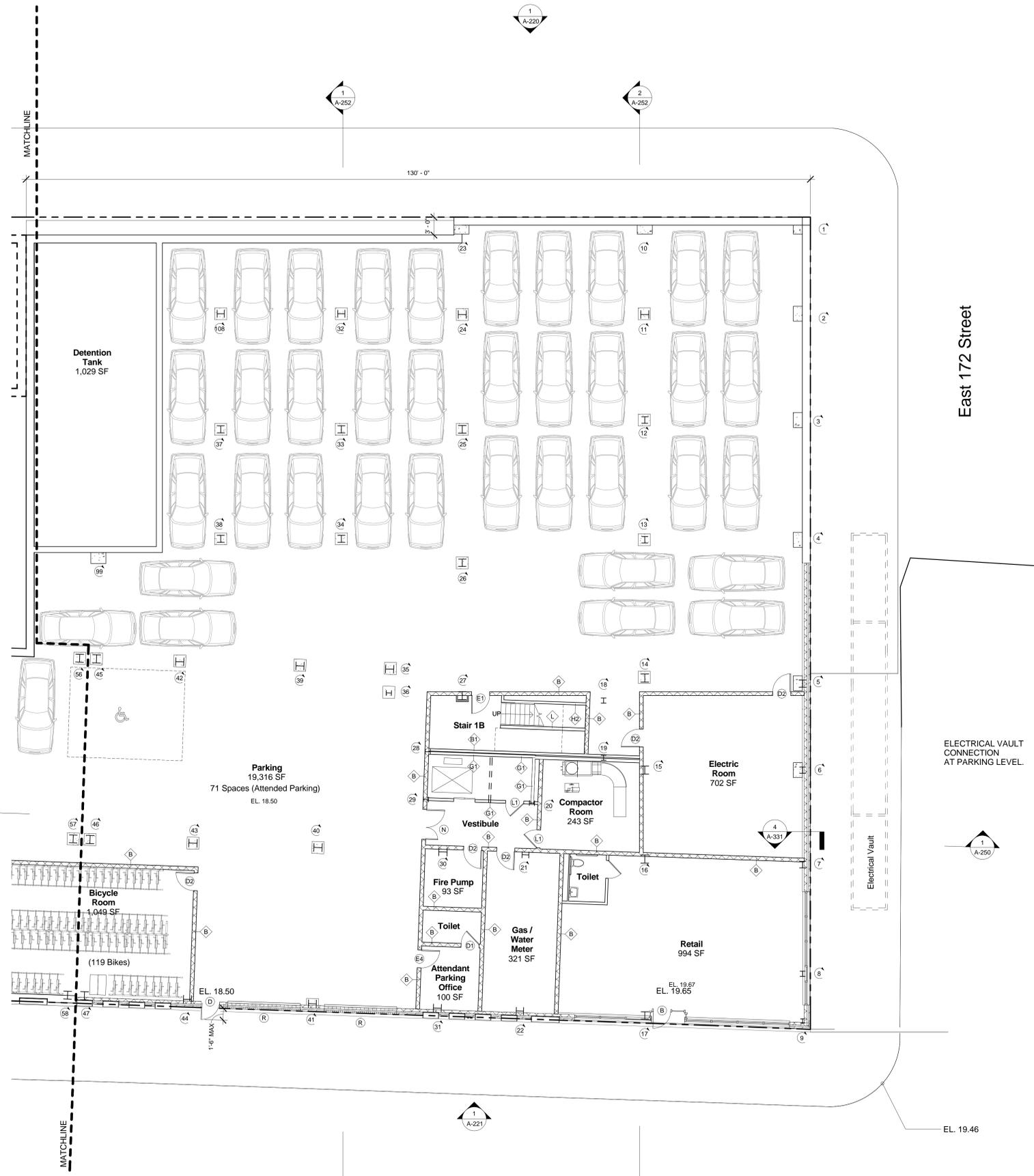
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**Parking Level Plan - South**

Date May 7, 2013  
Scale 1/8" = 1'-0"  
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**1** Parking Level North - Building 1B  
 1/8" = 1'-0"  
 0 2 4 8 16 feet

East 172 Street

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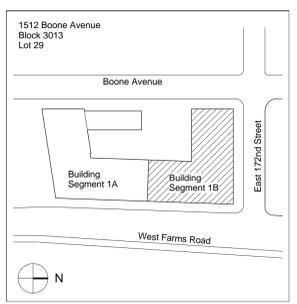
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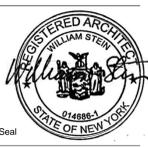
Revisions  
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**Parking Level Plan - North**

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Project No. 1130.00  
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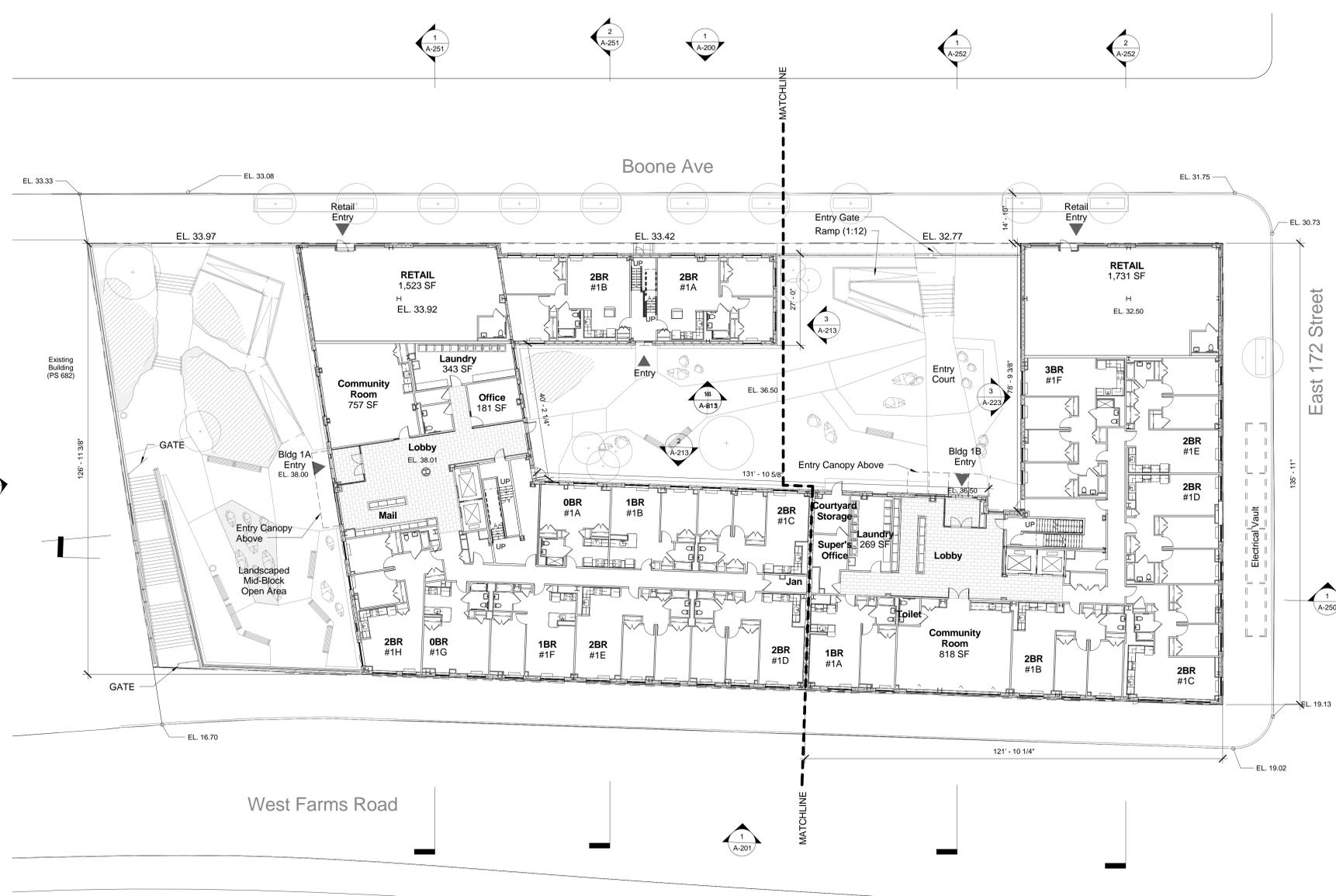
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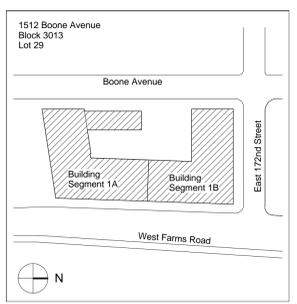
ELECTRICAL VAULT  
CONNECTION  
AT PARKING LEVEL.

**1 First Floor**  
1/16" = 1'-0"  
0 4 8 16 32 feet

SITE PLAN NOTES:  
ALL EXTERIOR LANDSCAPE AREAS TO BE  
FULLY HANDICAP ACCESSIBLE .

Revisions

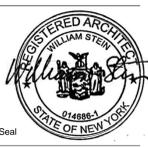
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**First Floor Plan**

Date	May 7, 2013
Scale	As indicated
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**1 First Floor - Building 1A**  
1/8" = 1'-0"  
0 2 4 8 16 feet

**SITE PLAN NOTES:**  
ALL EXTERIOR LANDSCAPE AREAS TO BE FULLY HANDICAP ACCESSIBLE.

**FLOOR PLAN NOTES:**  
SEE ENLARGED DWELLING UNIT PLANS IN DRAWINGS A-120 TO A-131 FOR ROOM SIZES, DIMENSIONS, WALL PANEL LOCATIONS, AND WALL AND DOOR TYPES.

**ACCESSIBILITY LEGEND**  
Fully Accessible and Adapted, Move-in Ready Units for persons with Mobility Impairments (See drawing G-011 for description)  
**V/H** Fully Accessible and Adapted, Move-in Ready Units for persons with Vision and Hearing Impairments (See drawing G-011 for description)

ACCESSIBLE UNITS - Floor 1 (Building 1A)			
Name	Unit Type	Number	DU Accessibility
1st Floor-1A	OBR	A 1A	Fully Accessible-Mobility
1st Floor-TH	2BR	A 1A	Fully Accessible-Hearing/Vision
	2BR	B 1B	Fully Accessible-Hearing/Vision



**First Floor Plan  
Building 1A**

Date May 7, 2013  
Scale As indicated  
Drawn By ZW  
Checked By EV  
Project No. 1130.00  
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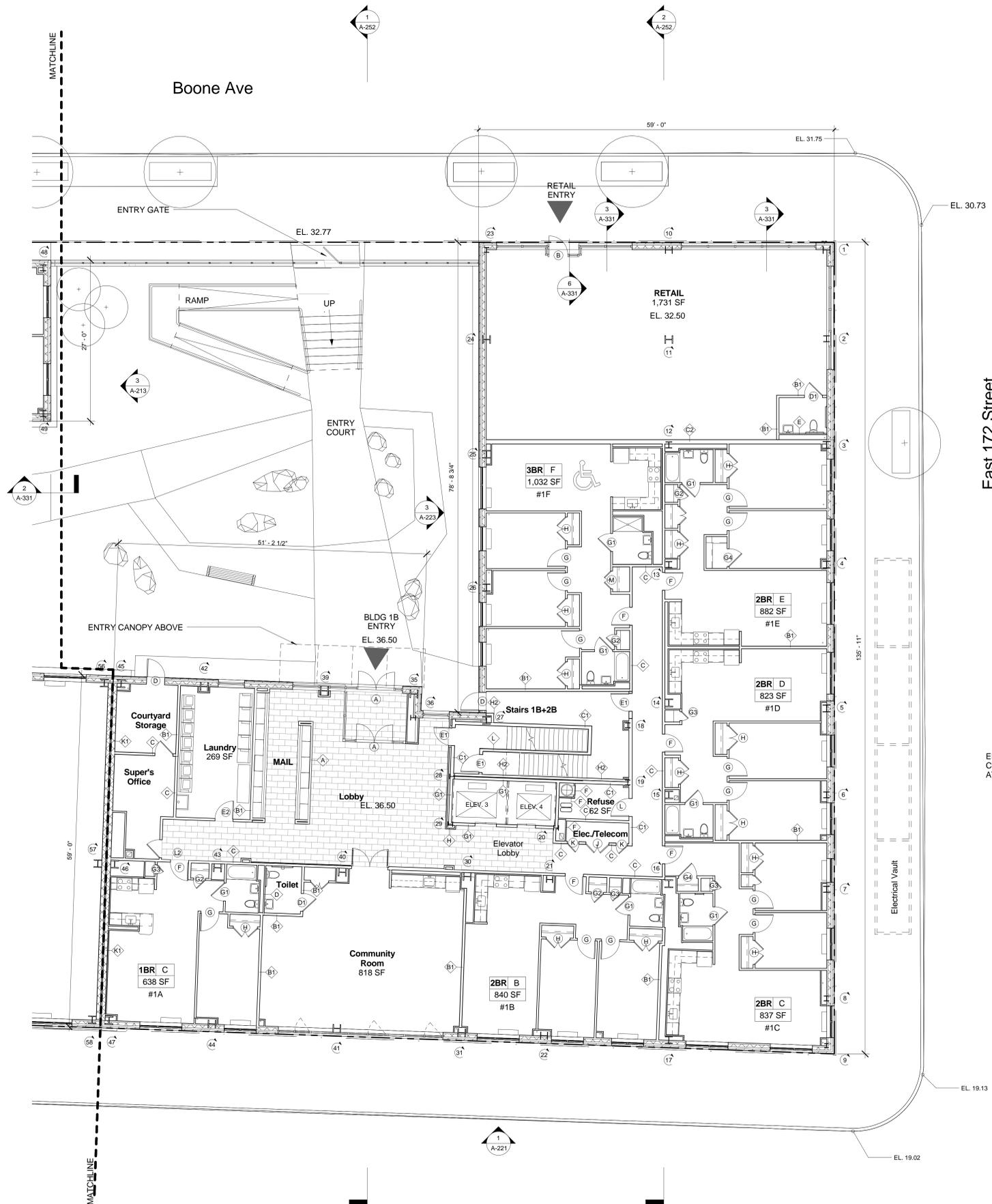
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**1 First Floor - Building 1B**  
1/8" = 1'-0"



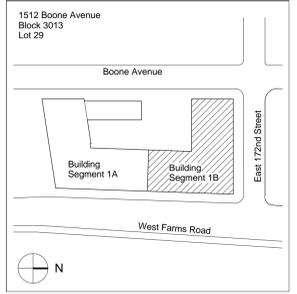
**ACCESSIBILITY LEGEND**  
Fully Accessible and Adapted, Move-in Ready Units for persons with Mobility Impairments (See drawing G-011 for description)  
**V/H** Fully Accessible and Adapted, Move-in Ready Units for persons with Vision and Hearing Impairments (See drawing G-011 for description)

**SITE PLAN NOTES:**  
ALL EXTERIOR LANDSCAPE AREAS TO BE FULLY HANDICAP ACCESSIBLE.

**FLOOR PLAN NOTES:**  
SEE ENLARGED DWELLING UNIT PLANS IN DRAWINGS A-120 TO A-131 FOR ROOM SIZES, DIMENSIONS, WALL PANEL LOCATIONS, AND WALL AND DOOR TYPES.

ACCESSIBLE UNITS - Floor 1 (Building 1B)			
Name	Unit Type	Number	DU Accessibility
3BR	F	1F	Fully Accessible-Mobility

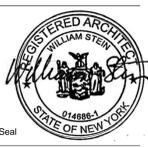
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**First Floor Plan Building 1B**

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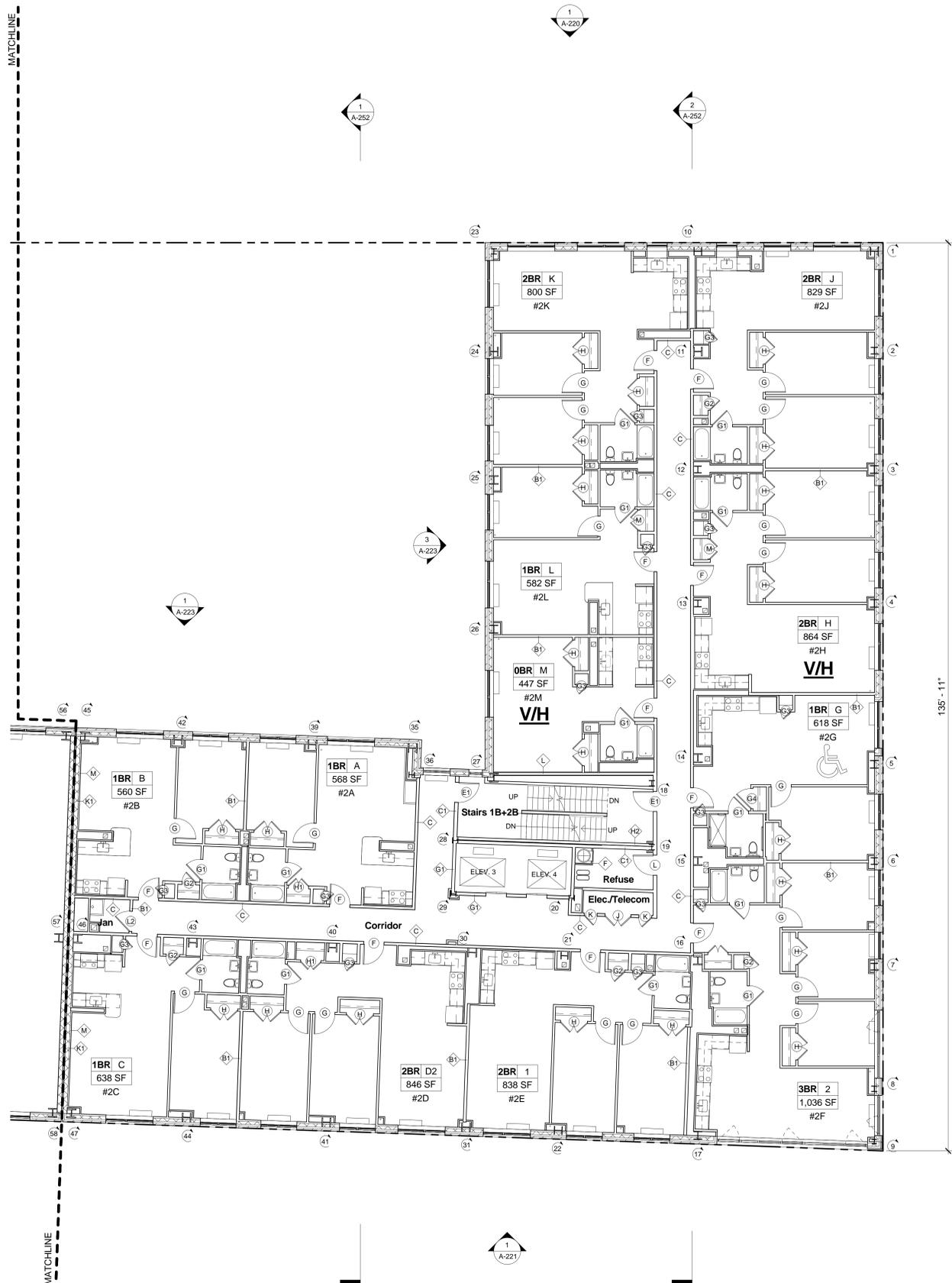
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**1** 2nd and 3rd Floors Plan  
1/8" = 1'-0"

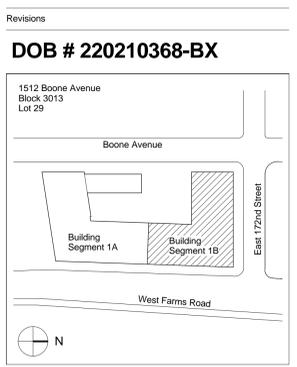


**ACCESSIBILITY LEGEND**  
 Fully Accessible and Adapted. Move-in Ready Units for persons with Mobility Impairments (See drawing G-011 for description)  
**V/H** Fully Accessible and Adapted. Move-in Ready Units for persons with Vision and Hearing Impairments (See drawing G-011 for description)

**ACCESSIBLE UNITS - Floor 2 to 3 (Building 1B)**

Name	Unit Type	Number	DU Accessibility
1BR	G	2G	Fully Accessible-Mobility
1BR	1	3G	Fully Accessible-Mobility
0BR	M	2M	Fully Accessible-Hearing/Vision
2BR	H	2H	Fully Accessible-Hearing/Vision
2BR	1	3H	Fully Accessible-Hearing/Vision

**FLOOR PLAN NOTES:**  
SEE ENLARGED DWELLING UNIT PLANS IN DRAWINGS A-120 TO A-131 FOR ROOM SIZES, DIMENSIONS, WALL PANEL LOCATIONS, AND WALL AND DOOR TYPES.



**2nd and 3rd Floors Plan  
Building 1B**

Date May 7, 2013  
Scale As indicated  
Drawn By Author  
Checked By Checker  
Project No. 1130.00  
Sheet No. \_\_\_\_\_

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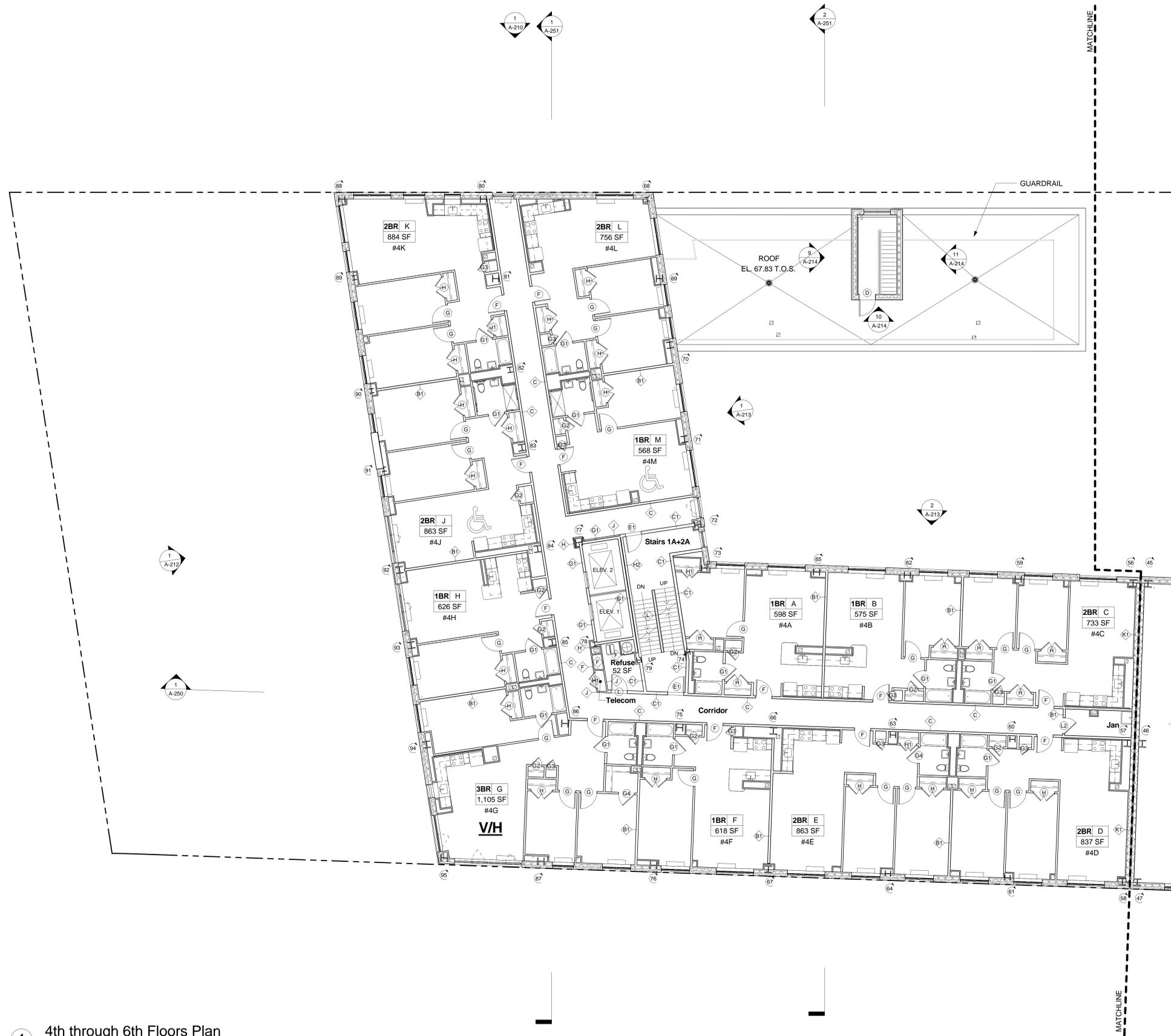
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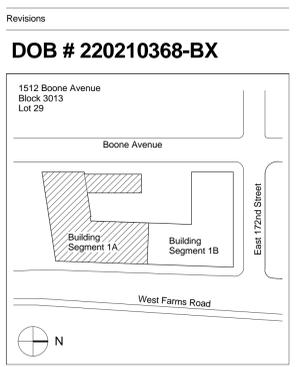


**1** 4th through 6th Floors Plan  
1/8" = 1'-0"  
0 2 4 8 16 feet

**ACCESSIBILITY LEGEND**  
 Fully Accessible and Adapted, Move-in Ready Units for persons with Mobility Impairments (See drawing G-011 for description)  
**V/H** Fully Accessible and Adapted, Move-in Ready Units for persons with Vision and Hearing Impairments (See drawing G-011 for description)

ACCESSIBLE UNITS - Floor 4 to 6 (Building 1A)			
Name	Unit Type	Number	DU Accessibility
2BR J	4J	4J	Fully Accessible-Mobility
1BR M	4M	4M	Fully Accessible-Mobility
2BR 1	5J	5J	Fully Accessible-Mobility
1BR 1A	5M	5M	Fully Accessible-Mobility
2BR 1	6J	6J	Fully Accessible-Mobility
1BR 1A	6M	6M	Fully Accessible-Mobility
3BR G	4G	4G	Fully Accessible-Hearing/Vision

**FLOOR PLAN NOTES:**  
SEE ENLARGED DWELLING UNIT PLANS IN DRAWINGS A-120 TO A-131 FOR ROOM SIZES, DIMENSIONS, WALL PANEL LOCATIONS, AND WALL AND DOOR TYPES.



**4th through 6th Floors  
Plan - Building 1A**

Date: May 7, 2013  
Scale: As indicated  
Drawn By: ZW  
Checked By: EV  
Project No.: 1130.00  
Sheet No.:  
Seal:

**A-104a.00**

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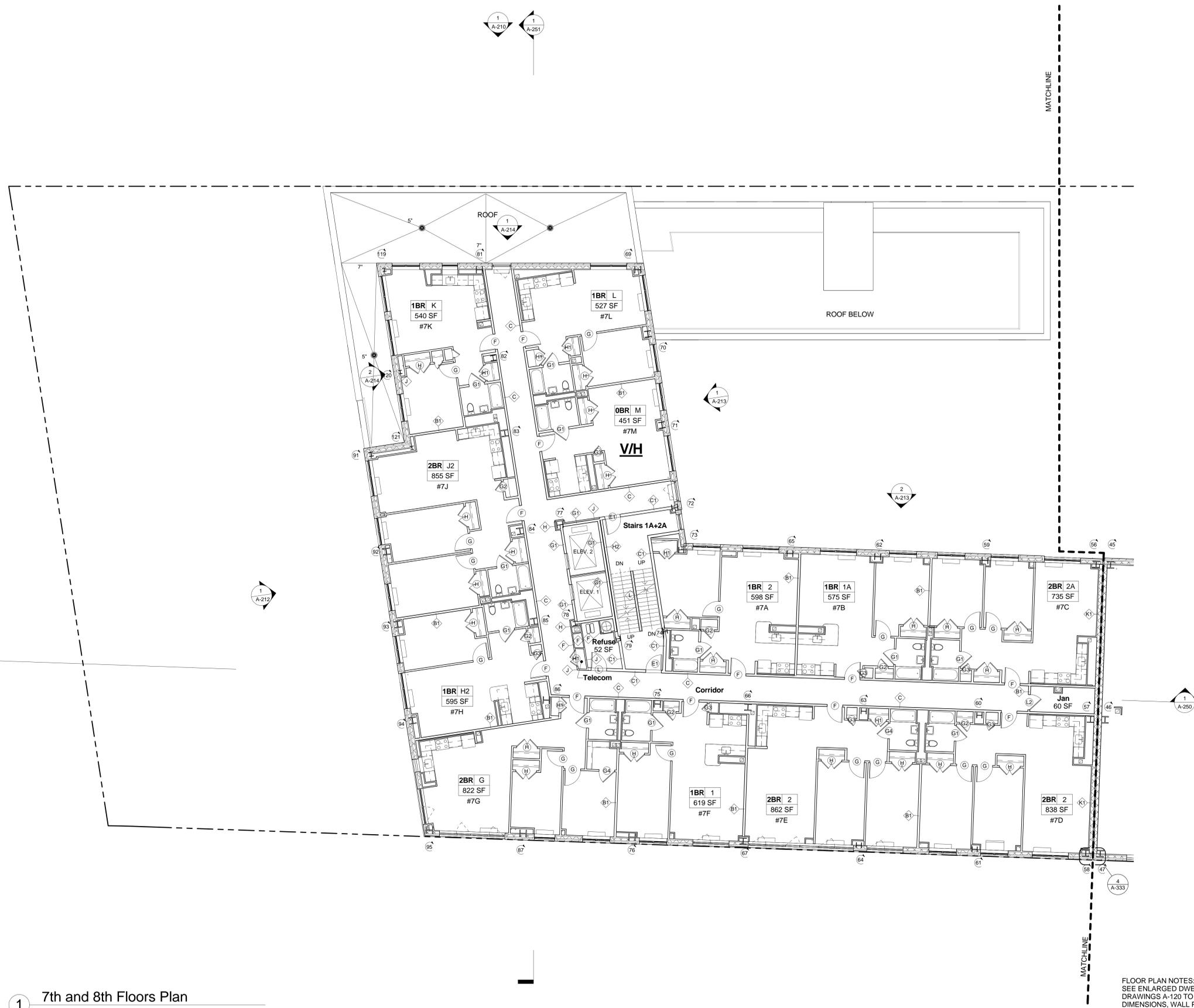
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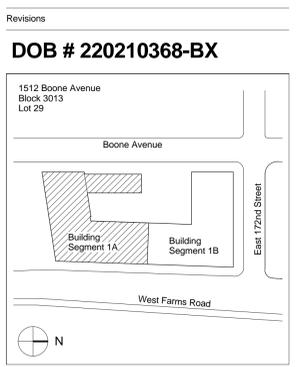


**1** 7th and 8th Floors Plan  
1/8" = 1'-0"  
0 2 4 8 16 feet

FLOOR PLAN NOTES:  
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DRAWINGS A-120 TO A-131 FOR ROOM SIZES,  
DIMENSIONS, WALL PANEL LOCATIONS, AND  
WALL AND DOOR TYPES.

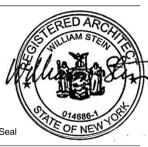
**ACCESSIBILITY LEGEND**  
Fully Accessible and Adapted, Move-in  
Ready Units for persons with Mobility  
Impairments  
(See drawing G-011 for description)  
**V/H** Fully Accessible and Adapted, Move-in  
Ready Units for persons with Vision and  
Hearing Impairments  
(See drawing G-011 for description)

ACCESSIBLE UNITS - Floor 7 to 8 (Building 1A)			
Name	Unit Type	Number	DU Accessibility
0BR	M	7M	Fully Accessible-Hearing/Vision



**7th and 8th Floors Plan  
Building 1A**

Date May 7, 2013  
Scale As indicated  
Drawn By Author  
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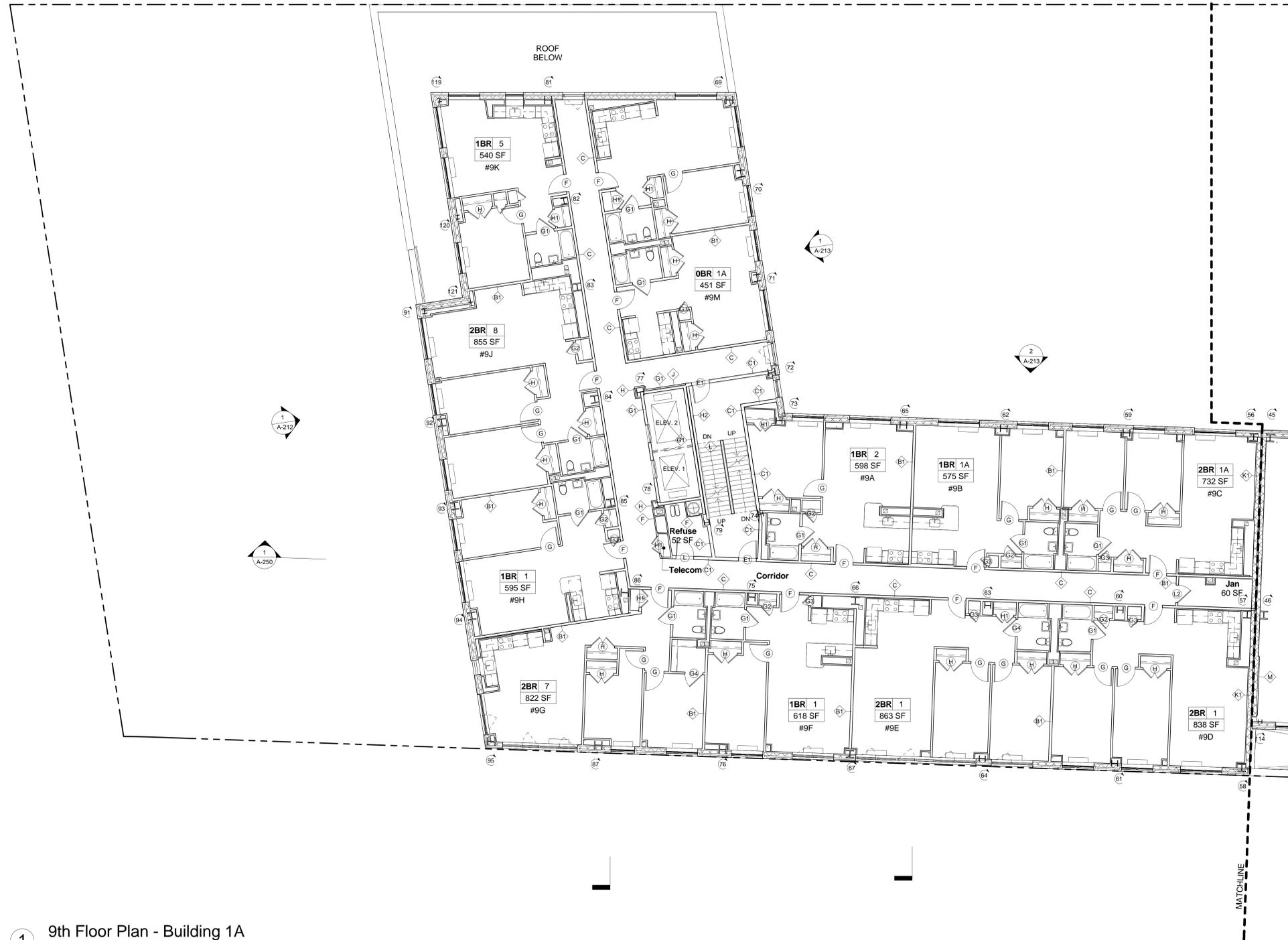
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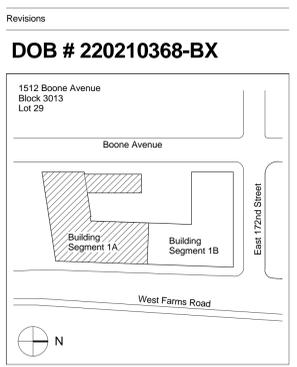
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**1** 9th Floor Plan - Building 1A  
1/8" = 1'-0"  
0 2 4 8 16 feet

**ACCESSIBILITY LEGEND**  
 Fully Accessible and Adapted, Move-in Ready Units for persons with Mobility Impairments (See drawing G-011 for description)  
 Fully Accessible and Adapted, Move-in Ready Units for persons with Vision and Hearing Impairments (See drawing G-011 for description)

**FLOOR PLAN NOTES:**  
SEE ENLARGED DWELLING UNIT PLANS IN DRAWINGS A-120 TO A-131 FOR ROOM SIZES, DIMENSIONS, WALL PANEL LOCATIONS, AND WALL AND DOOR TYPES.



**9th Floor Plan Building 1A**

Date	May 7, 2013
Scale	As indicated
Drawn By	PC
Checked By	WS
Project No.	1130.00
Sheet No.	



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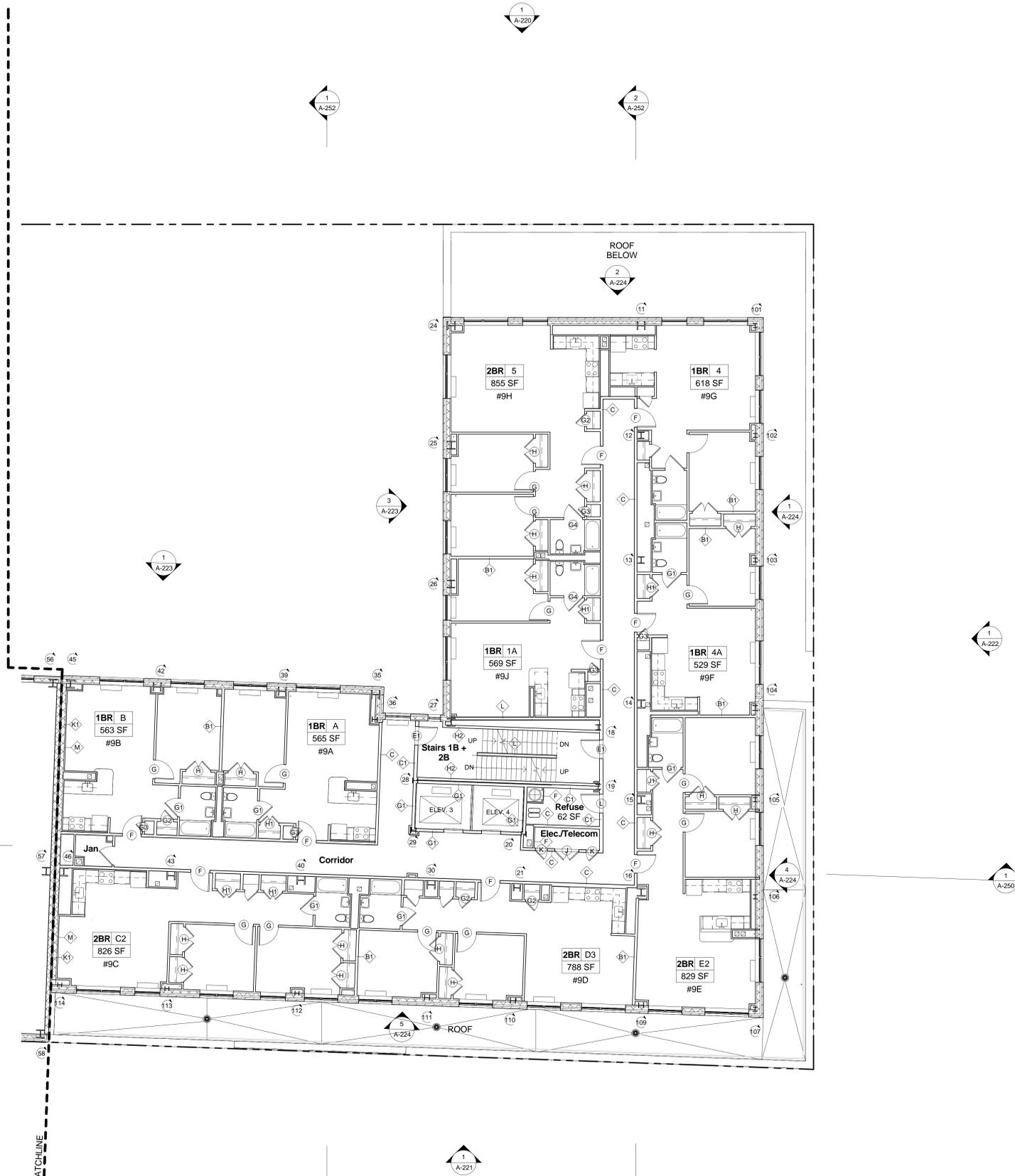
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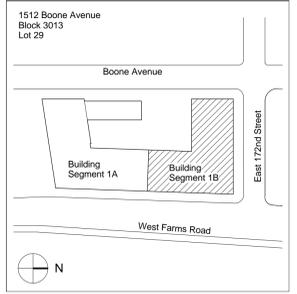
**1 9th Floor Plan - Building 1B**  
1/8" = 1'-0"  
0 2 4 8 16 feet

**ACCESSIBILITY LEGEND**  
Fully Accessible and Adapted, Move-in Ready Units for persons with Mobility Impairments (See drawing G-011 for description)  
**V/H** Fully Accessible and Adapted, Move-in Ready Units for persons with Vision and Hearing Impairments (See drawing G-011 for description)

FLOOR PLAN NOTES:  
SEE ENLARGED DWELLING UNIT PLANS IN DRAWINGS A-120 TO A-131 FOR ROOM SIZES, DIMENSIONS, WALL PANEL LOCATIONS, AND WALL AND DOOR TYPES.

Revisions

**DOB # 220210368-BX**



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**9th Floor Plan Building 1B**

Date	May 7, 2013
Scale	As indicated
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Project No.	1130.00
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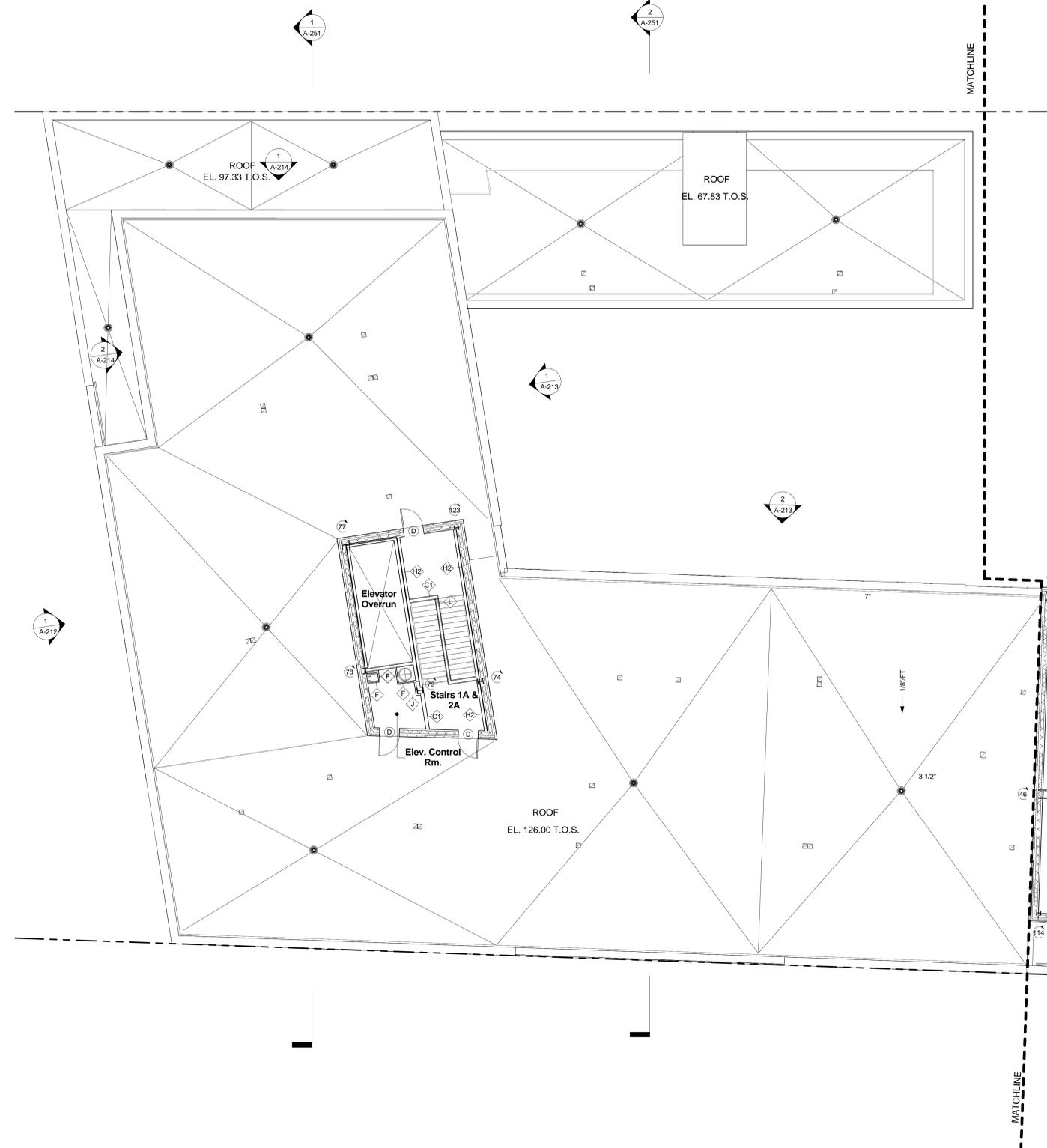
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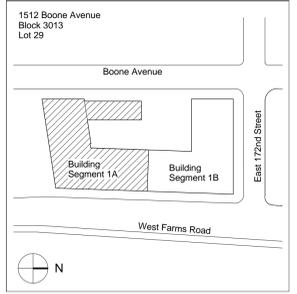


**1 Mechanical Bulkhead and Roof Plan - Building 1A**  
1/8" = 1'-0"



Revisions

**DOB # 220210368-BX**



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**Bulkhead and Roof Plan - Building 1A**

Date May 7, 2013

Scale 1/8" = 1'-0"

Drawn By Author

Checked By WS

Project No. 1130.00 Seal

Sheet No.

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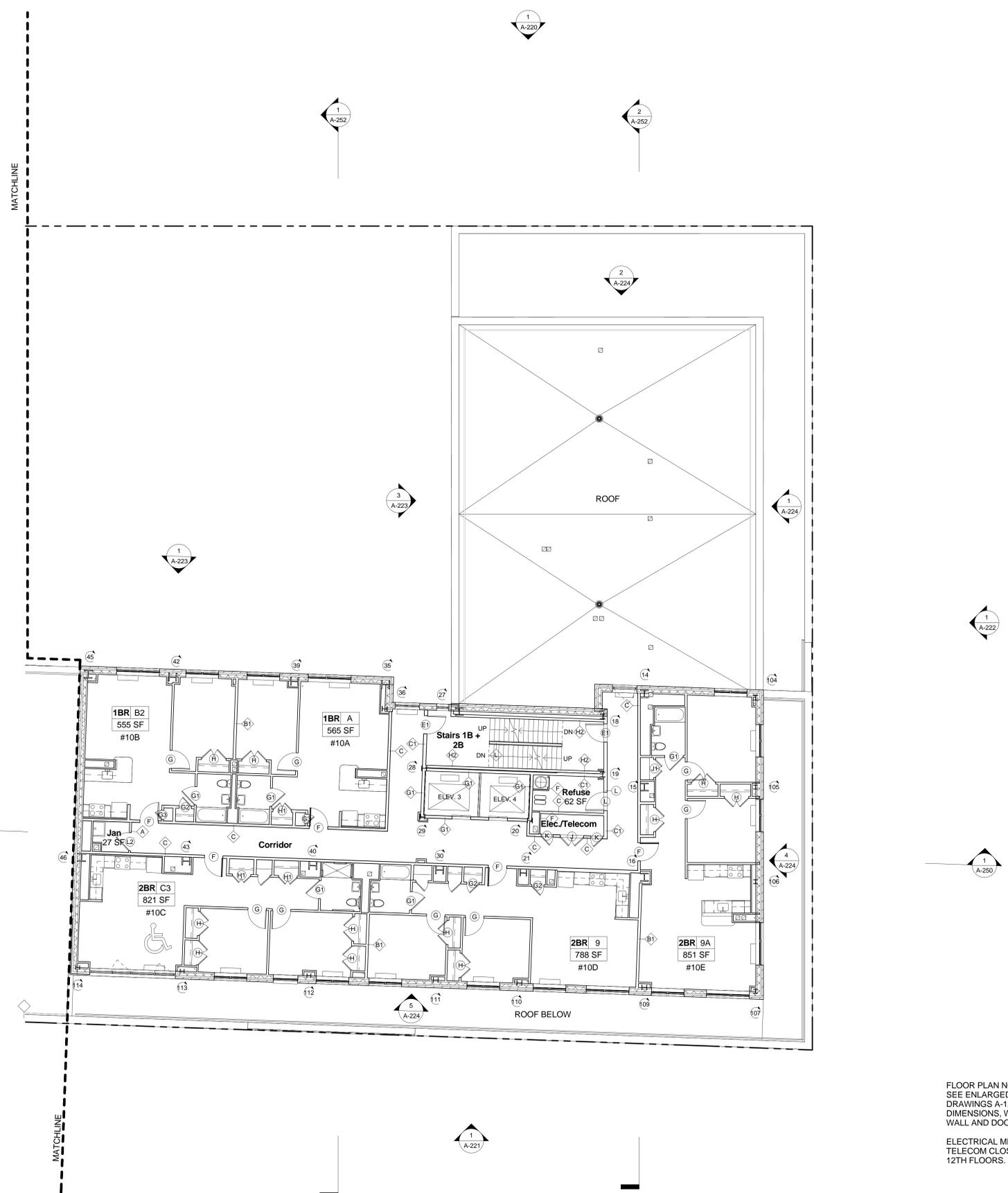
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**FLOOR PLAN NOTES:**  
SEE ENLARGED DWELLING UNIT PLANS IN DRAWINGS A-120 TO A-131 FOR ROOM SIZES, DIMENSIONS, WALL PANEL LOCATIONS, AND WALL AND DOOR TYPES.  
ELECTRICAL METER ROOMS TO REPLACE TELECOM CLOSETS ON 5TH, 8TH AND 12TH FLOORS.

**ACCESSIBILITY LEGEND**  
Fully Accessible and Adapted, Move-in Ready Units for persons with Mobility Impairments (See drawing G-011 for description)  
**V/H** Fully Accessible and Adapted, Move-in Ready Units for persons with Vision and Hearing Impairments (See drawing G-011 for description)

ACCESSIBLE UNITS - Floor 10 to 13 (Building 1B)			
Name	Unit Type	Number	DU Accessibility
2BR C3	10C	Fully Accessible-Mobility	
2BR 9	11C	Fully Accessible-Mobility	
2BR 9	12C	Fully Accessible-Mobility	
2BR 9	13C	Fully Accessible-Mobility	

**1** 10th through 13th Floors Plan  
1/8" = 1'-0"  
0 2 4 8 16 feet

Revisions

**DOB # 220210368-BX**

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Block 3013  
Lot 29

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**10th through 13th Floors Plan - Building 1B**

Date May 7, 2013  
Scale As indicated  
Drawn By ZW  
Checked By EV  
Project No. 1130.00  
Sheet No. Seal



**A-107b.00**

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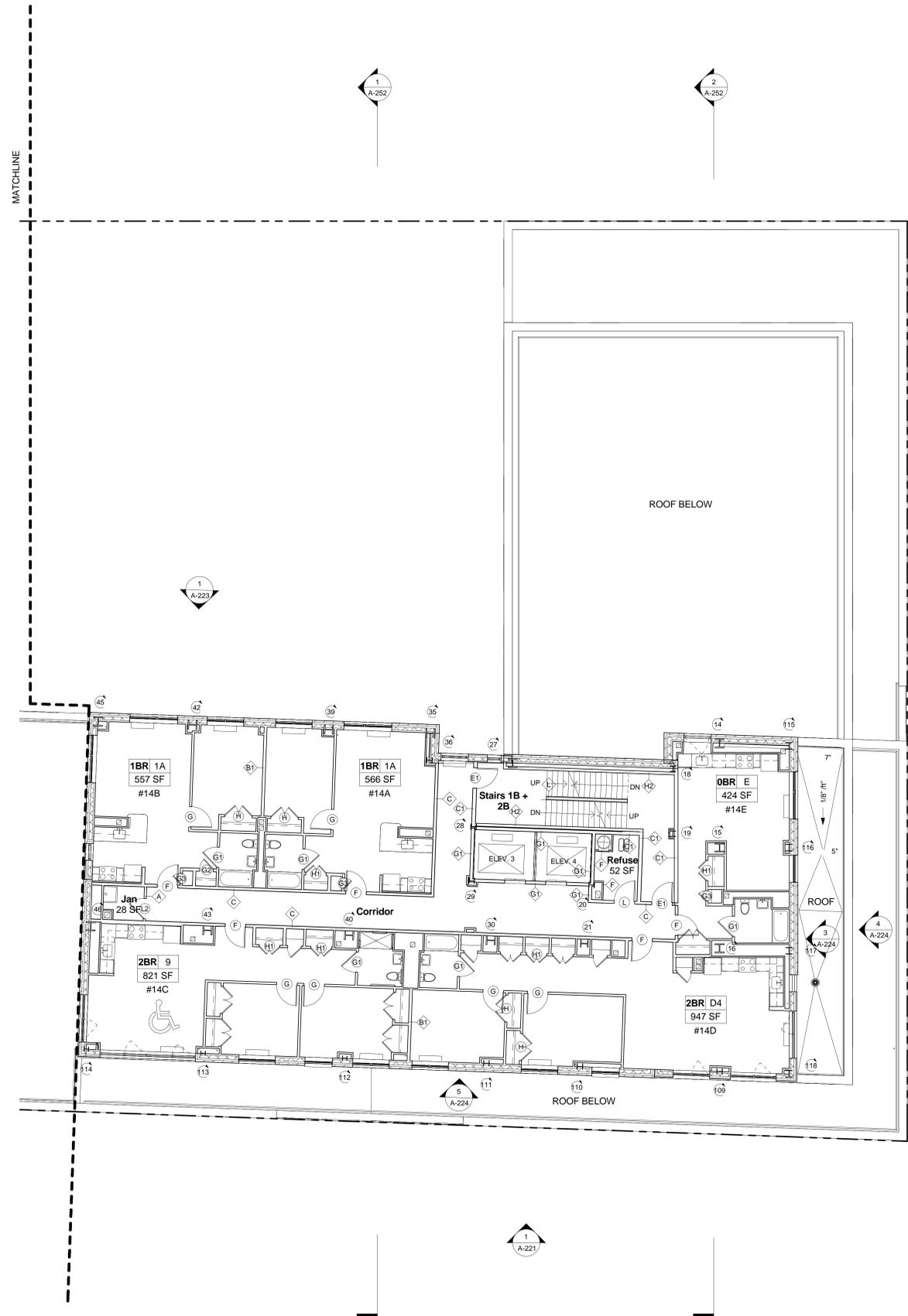
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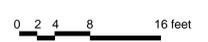
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**1** 14th to 15th Floors Plan  
1/8" = 1'-0"



**ACCESSIBILITY LEGEND**

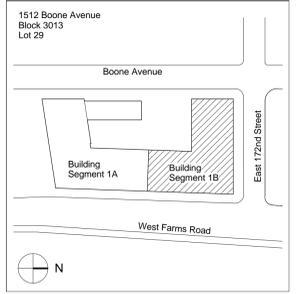
Fully Accessible and Adapted, Move-in Ready Units for persons with Mobility Impairments (See drawing G-011 for description)

**V/H** Fully Accessible and Adapted, Move-in Ready Units for persons with Vision and Hearing Impairments (See drawing G-011 for description)

**FLOOR PLAN NOTES:**  
SEE ENLARGED DWELLING UNIT PLANS IN DRAWINGS A-120 TO A-131 FOR ROOM SIZES, DIMENSIONS, WALL PANEL LOCATIONS, AND WALL AND DOOR TYPES.

ACCESSIBLE UNITS - Floor 14 to 15 (Building 1B)			
Name	Unit Type	Number	DU Accessibility
2BR	9	14C	Fully Accessible-Mobility
2BR	9	15C	Fully Accessible-Mobility

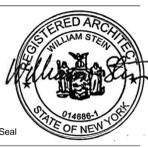
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**DOB # 220210368-BX**



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**14th and 15th Floors Plan  
Building 1B**

Date: May 7, 2013  
Scale: As indicated  
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Project No.: 1130.00  
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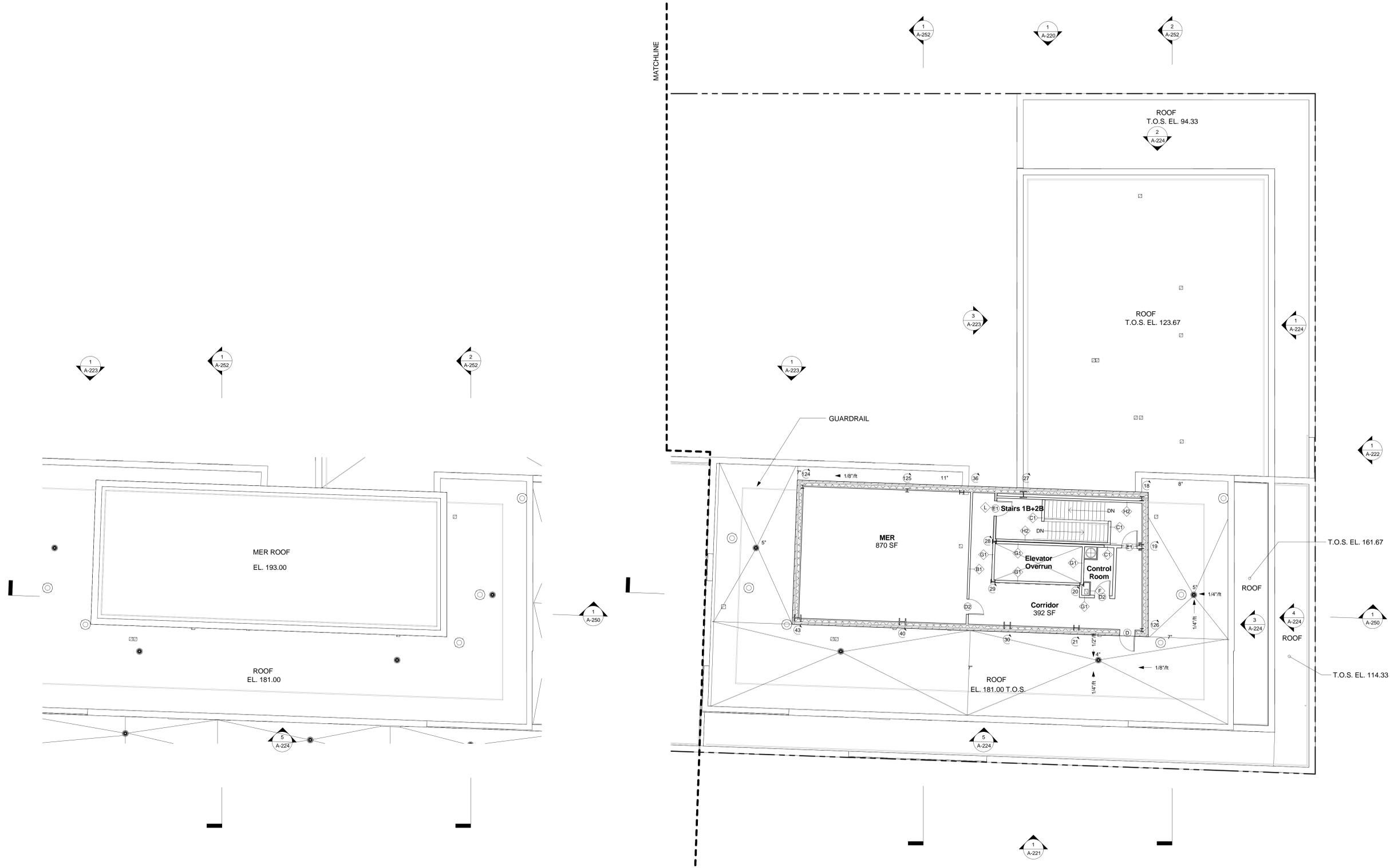
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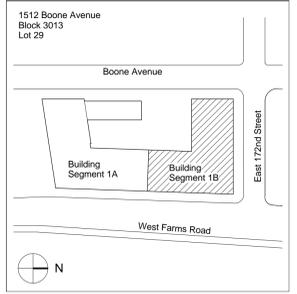


1 Roof 1B - Elevator  
1/8" = 1'-0"

2 Roof 1B - Mechanical Penthouse Building 1B  
1/8" = 1'-0"

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**DOB # 220210368-BX**



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**Roof Plan Building 1B**

Date May 7, 2013  
Scale 1/8" = 1'-0"  
Drawn By AS  
Checked By EV  
Project No. 1130.00  
Sheet No. A-109b.00



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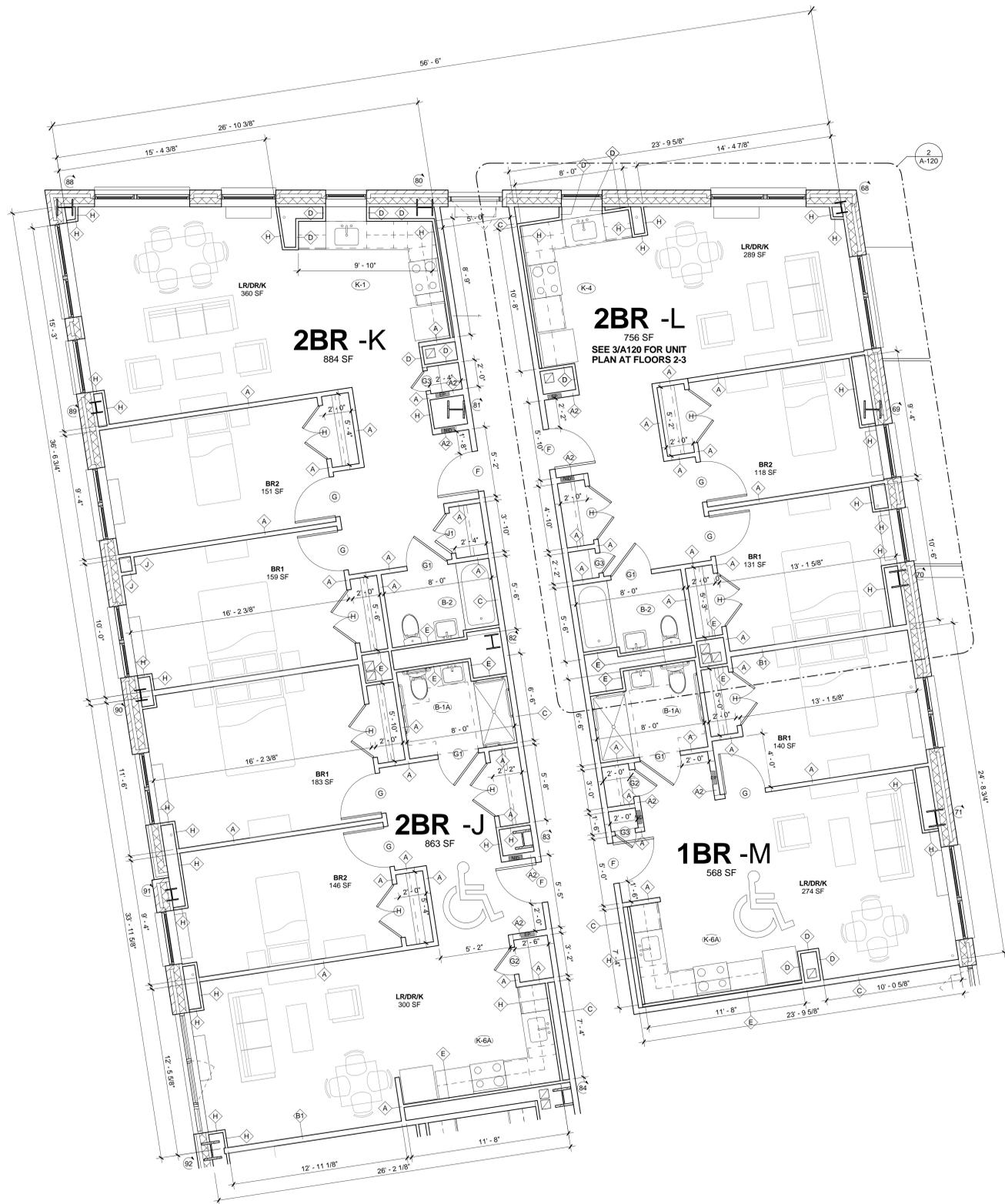
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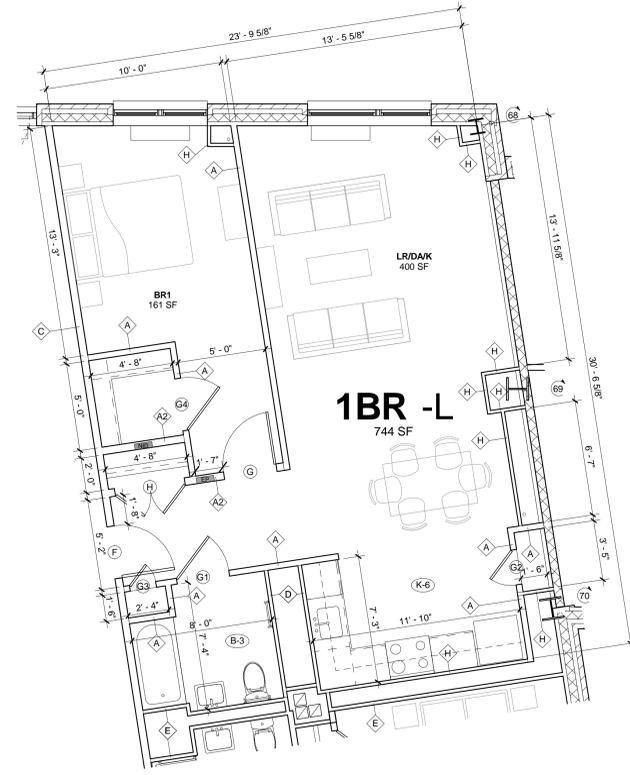
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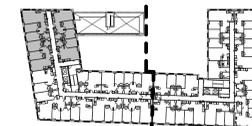
**1 Building 1A Segment A Unit Plans -Floors (2-6)**  
1/4" = 1'-0"  
0 1 2 4 8 feet



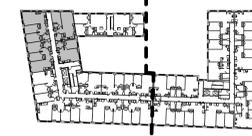
**2 Building 1A Segment A Unit 1BR-L - Floors (2-3)**  
1/4" = 1'-0"  
0 1 2 4 8 feet

**IN-WALL PANELS**  
Electrical Panel  
NID

**ACCESSIBILITY LEGEND**  
Fully Accessible and Adapted, Move-in Ready Units for persons with Mobility Impairments (See drawing G-011 for description)  
**V/H** Fully Accessible and Adapted, Move-in Ready Units for persons with Vision and Hearing Impairments (See drawing G-011 for description)



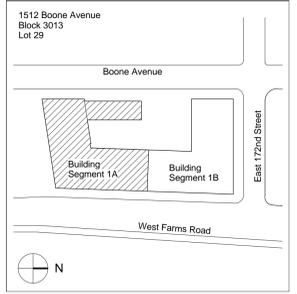
4th through 6th Floor Plan



2nd through 3rd Floors

Revisions

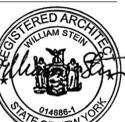
**DOB # 220210368-BX**



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**Building 1A Unit Plans - Segment A Floors (2-6)**

Date May 7, 2013  
Scale As indicated  
Drawn By AS  
Checked By EV  
Project No. 1130.00  
Sheet No. A-120.00



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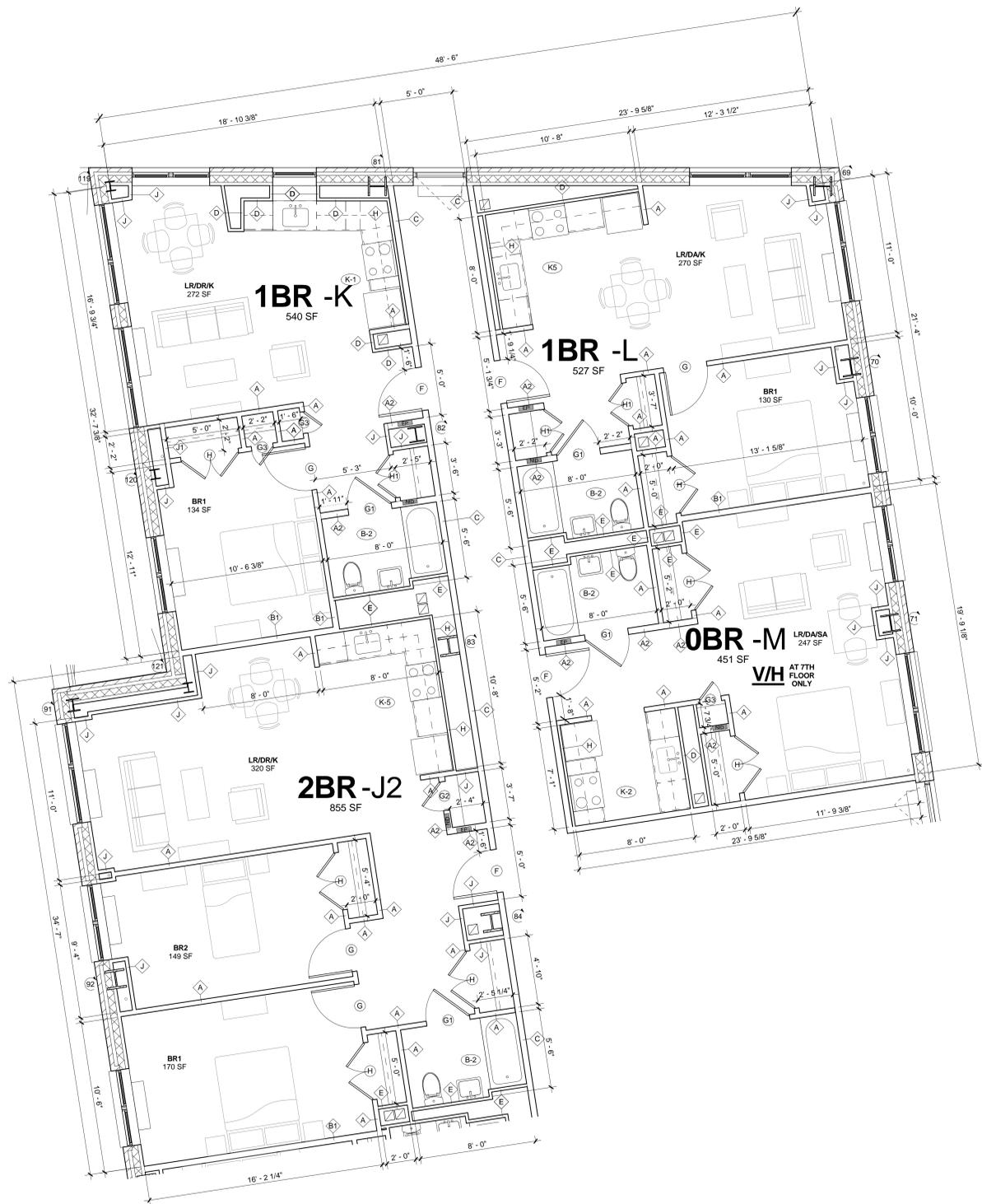
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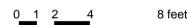
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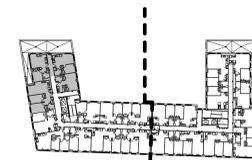
1 Building 1A Segment A Unit Plans -Floors (7-9)

1/4" = 1'-0"



**IN-WALL PANELS**  
Fully Accessible and Adapted, Move-in Ready Units for persons with Mobility Impairments  
Electrical Panel  
NID

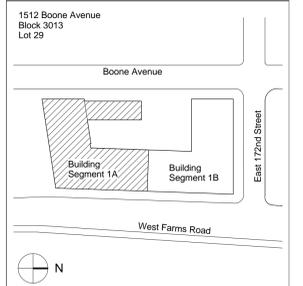
**ACCESSIBILITY LEGEND**  
Fully Accessible and Adapted, Move-in Ready Units for persons with Mobility Impairments  
(See drawing G-011 for description)  
**V/H** Fully Accessible and Adapted, Move-in Ready Units for persons with Vision and Hearing Impairments  
(See drawing G-011 for description)



7th through 9th Floors

Revisions

**DOB # 220210368-BX**



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**Building 1A Unit Plans - Segment A Floors (7-9)**

Date May 7, 2013

Scale As indicated

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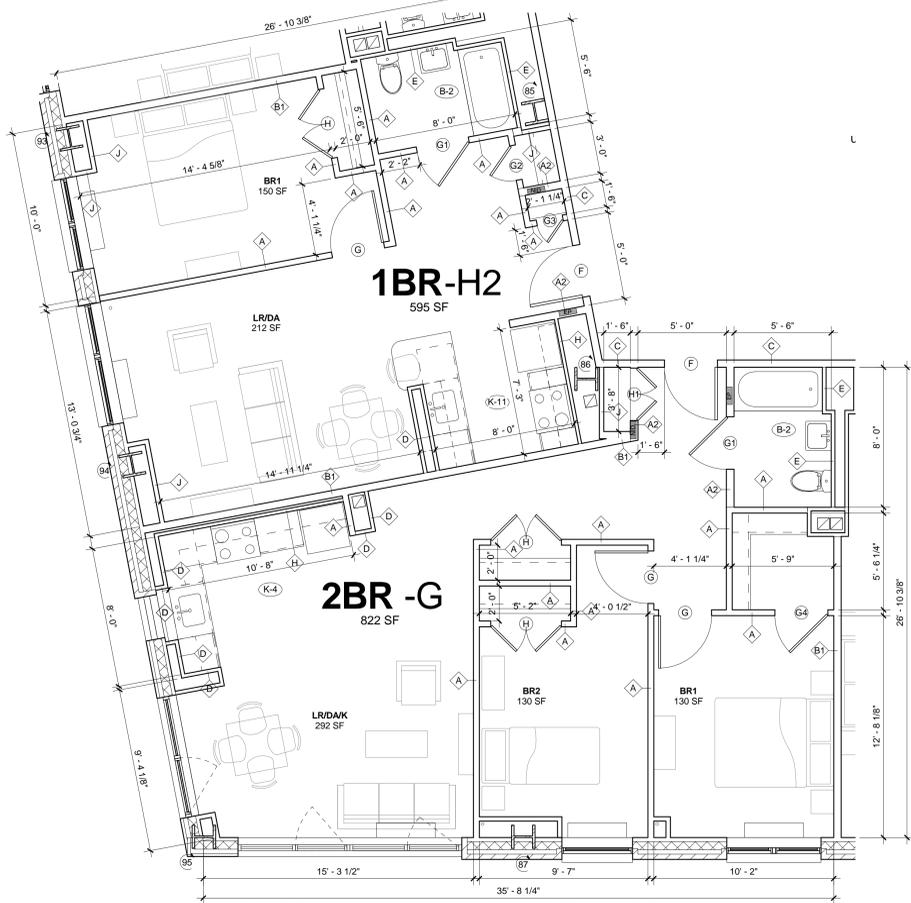
Checked By WS

Project No. 1130.00 Seal

Sheet No.

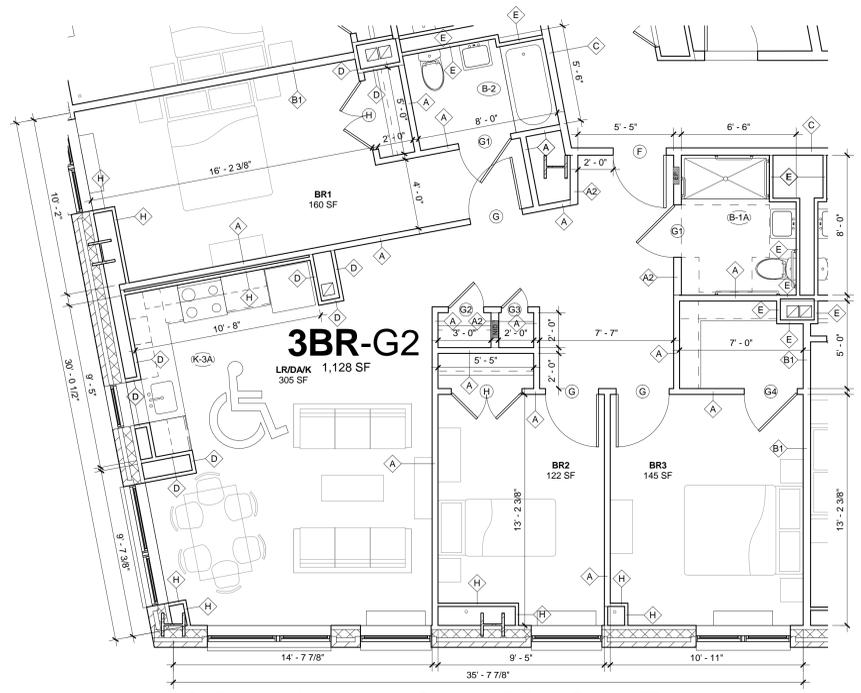
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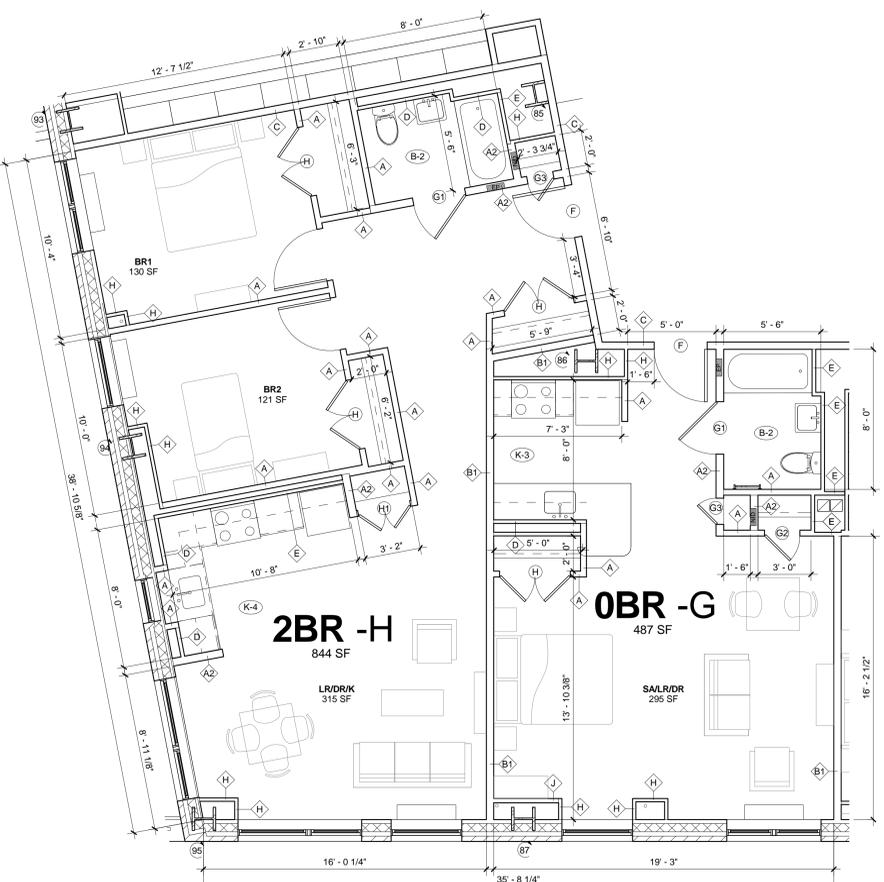
3 Building 1A Segment B Unit Plans - Floors (7-9)

1/4" = 1'-0"  
0 4 8 16 32 feet



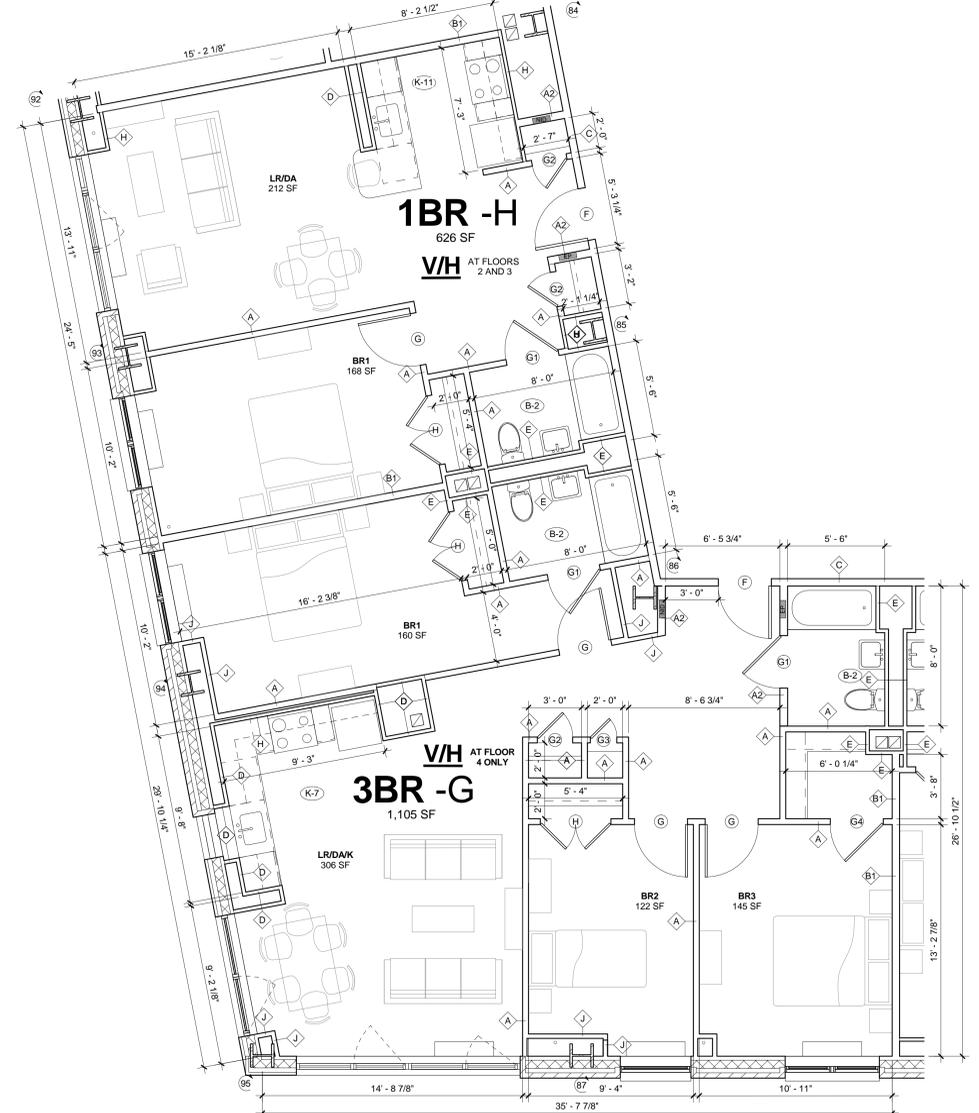
4 Building 1A Segment B Unit 3BR-G Plan - Floor 2

1/4" = 1'-0"



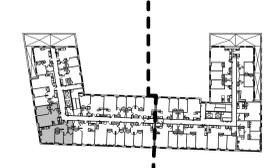
1 Building 1A Segment B Unit Plans - Ground Floor

1/4" = 1'-0"  
0 1 2 4 8 feet



2 Building 1A Segment B Unit Plans - Floors (2-6)

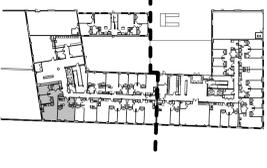
1/4" = 1'-0"  
0 1 2 4 8 feet



7th through 9th Floors



2nd through 6th Floors



Ground Floor

**IN-WALL PANELS**  
 ■ Electrical Panel  
 ■ NID

**ACCESSIBILITY LEGEND**  
 Fully Accessible and Adapted, Move-in Ready Units for persons with Mobility Impairments (See drawing G-011 for description)  
**V/H** Fully Accessible and Adapted, Move-in Ready Units for persons with Vision and Hearing Impairments (See drawing G-011 for description)

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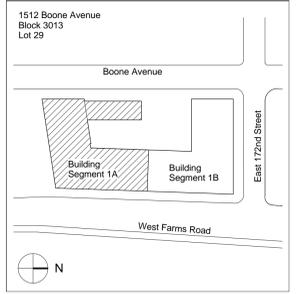
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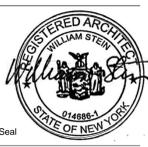
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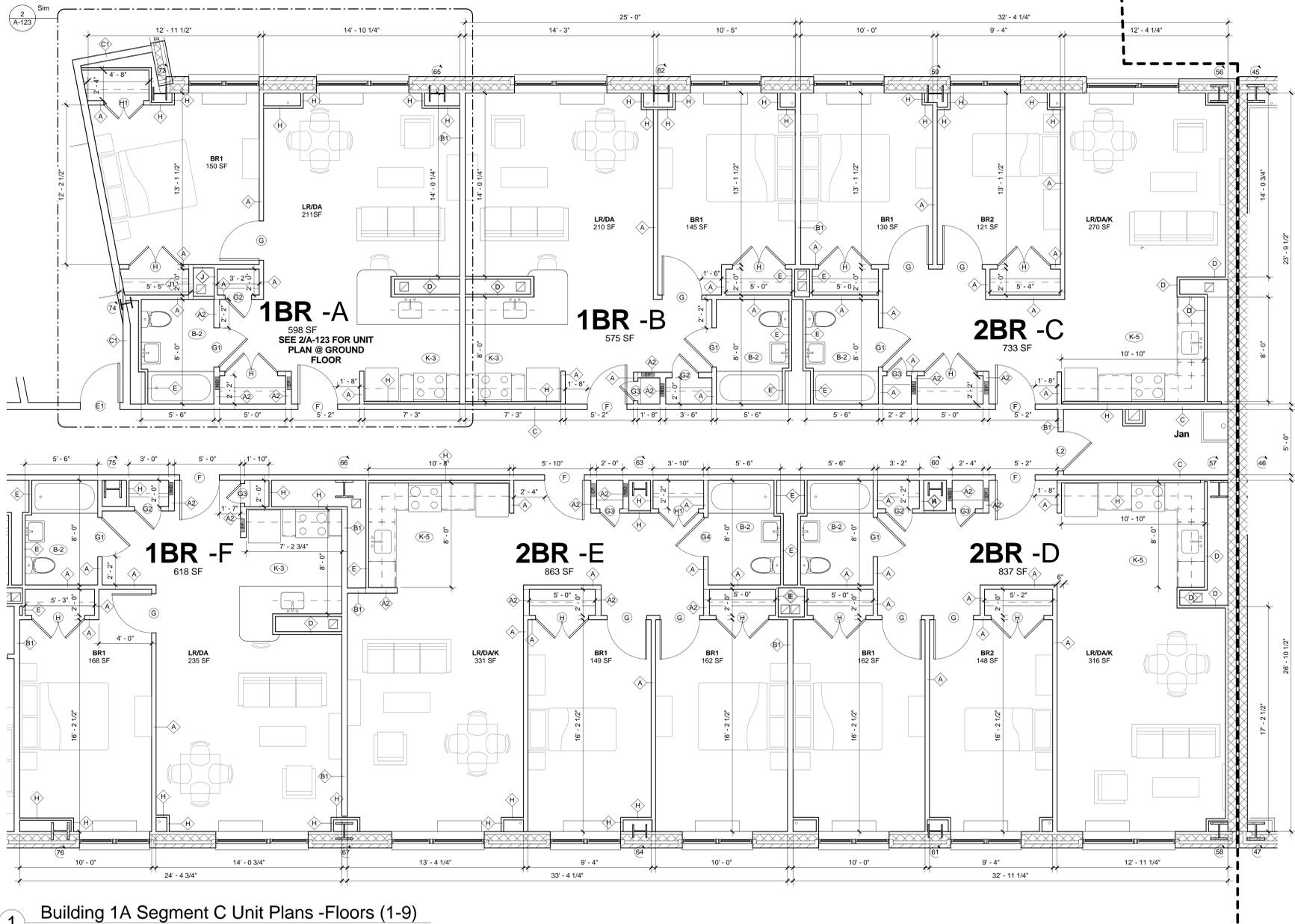
**Building 1A Unit Plans - Segment B**

Date	May 7, 2013
Scale	As indicated
Drawn By	AS
Checked By	EV
Project No.	1130.00
Sheet No.	Seal

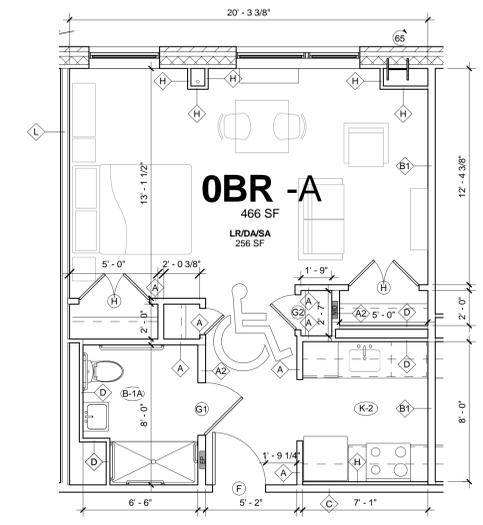


**A-122.00**

Building 1A Unit Plans - Segment B  
 1512 Boone Avenue  
 Block 3013  
 Lot 29  
 Building 1A  
 Building Segment 1B  
 West Farms Road  
 East 172nd Street  
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1 Building 1A Segment C Unit Plans -Floors (1-9)

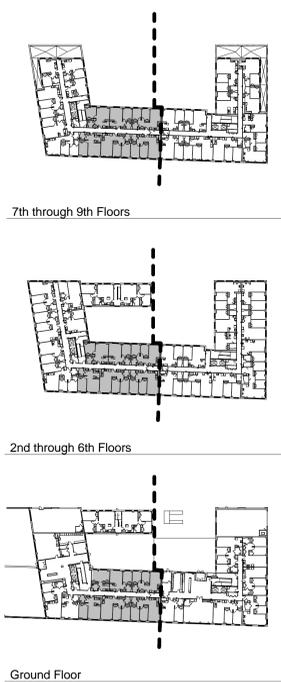


2 Building 1A Segment C Ground Floor Unit



**IN-WALL PANELS**  
 Electrical Panel  
 NID

**ACCESSIBILITY LEGEND**  
 Fully Accessible and Adapted, Move-in Ready Units for persons with Mobility Impairments (See drawing G-011 for description)  
 V/H Fully Accessible and Adapted, Move-in Ready Units for persons with Vision and Hearing Impairments (See drawing G-011 for description)



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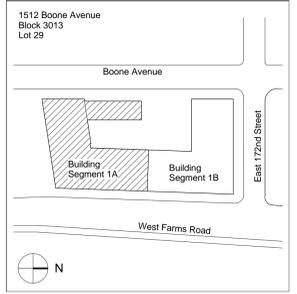
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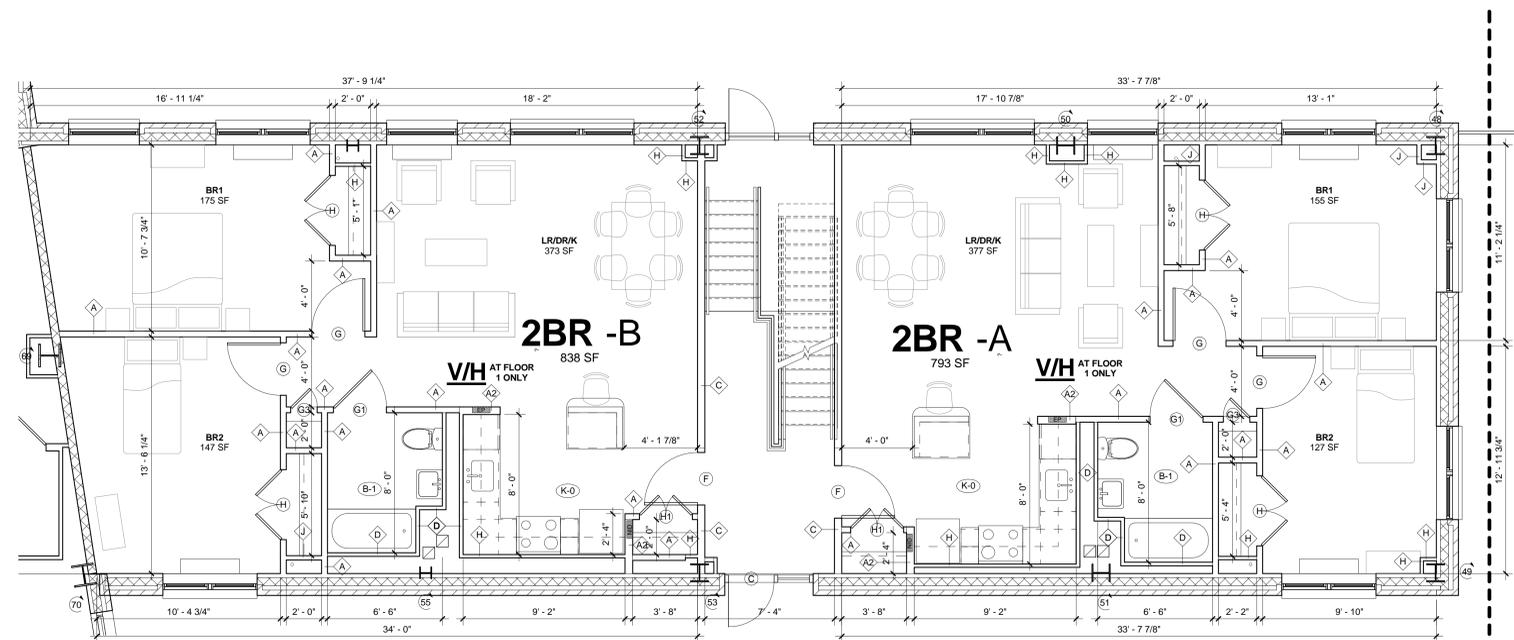
**Building 1A Unit Plans - Segment C**

Date	May 7, 2013
Scale	As indicated
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Checked By	EV
Project No.	1130.00
Sheet No.	Seal

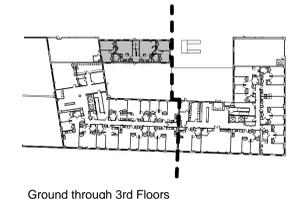


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**1 Units: 2BR-2 and 2BR-2A - Floors (1-3)**  
 1/4" = 1'-0"  
 0 1 2 4 8 feet



**IN-WALL PANELS**  
 Electrical Panel  
 NID

**ACCESSIBILITY LEGEND**  
 Fully Accessible and Adapted, Move-in Ready Units for persons with Mobility Impairments (See drawing G-011 for description)  
**V/H** Fully Accessible and Adapted, Move-in Ready Units for persons with Vision and Hearing Impairments (See drawing G-011 for description)

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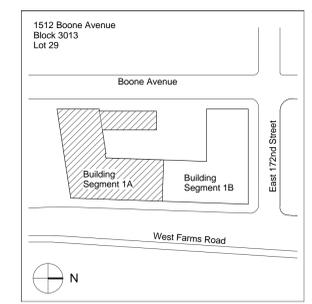
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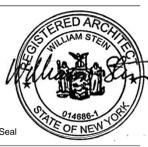
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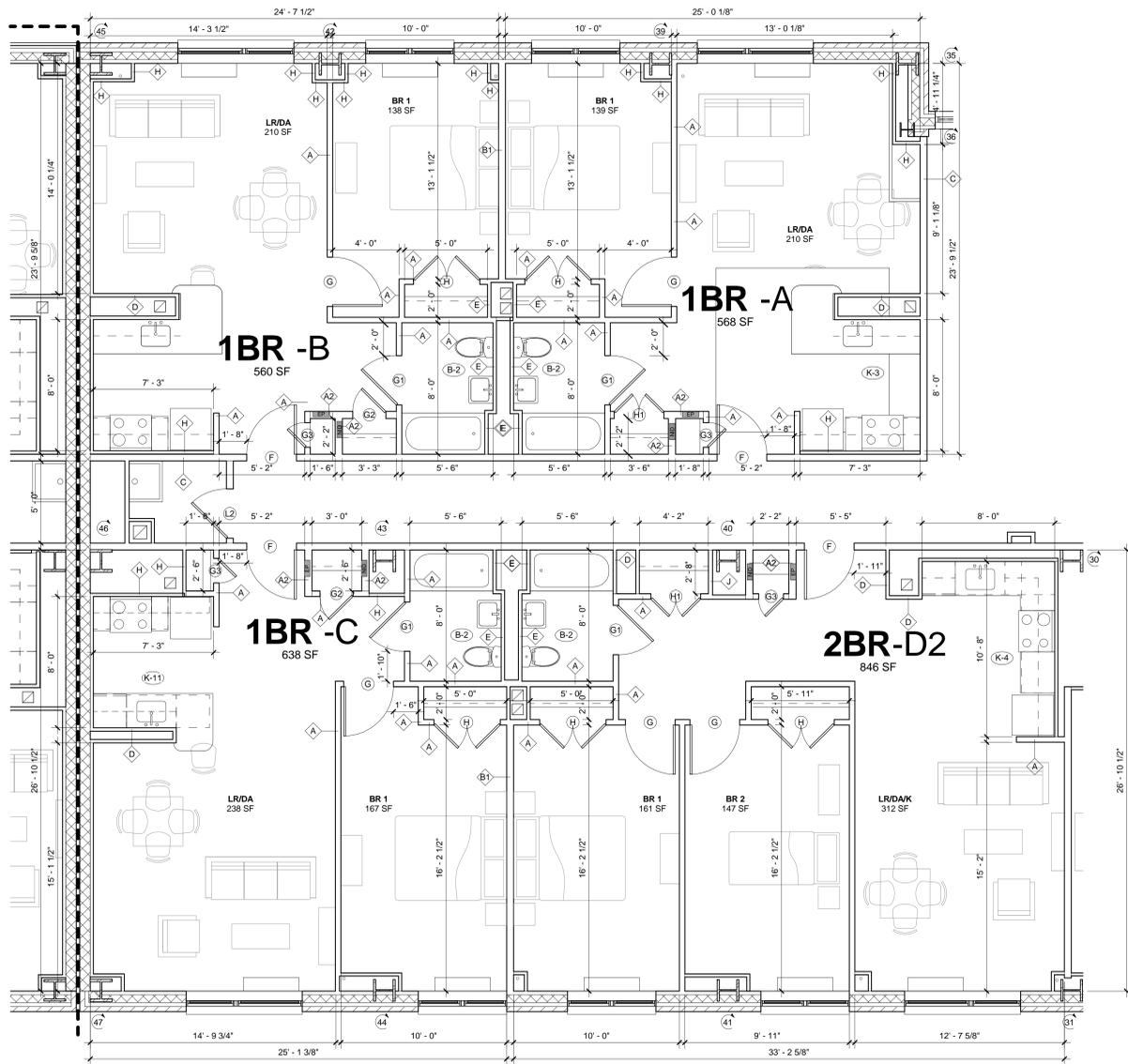
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### Building 1A Unit Plans - Townhouses

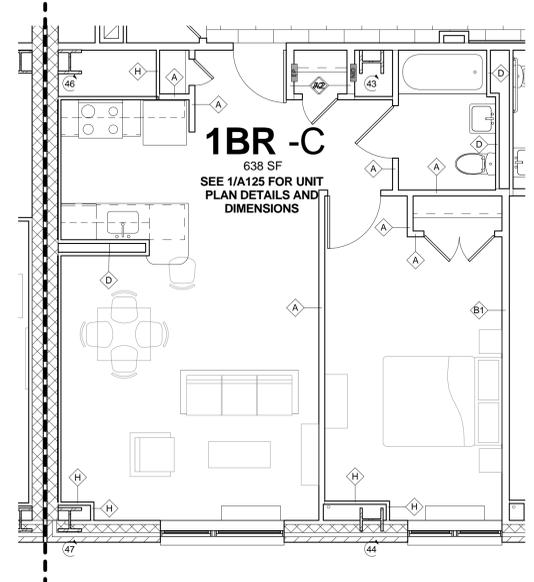
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**1 Building 1B Segment A Unit Plans - Floors (2-8)**  
 1/4" = 1'-0"  
 0 1 2 4 8 feet



**2 Building 1B Segment A Unit Plans - Ground Floor**  
 1/4" = 1'-0"  
 0 1 2 4 8 feet

**IN-WALL PANELS**  
 [Symbol] Electrical Panel  
 [Symbol] NID

**ACCESSIBILITY LEGEND**  
 [Symbol] Fully Accessible and Adapted, Move-in Ready Units for persons with Mobility Impairments (See drawing G-011 for description)  
 [Symbol] Fully Accessible and Adapted, Move-in Ready Units for persons with Vision and Hearing Impairments (See drawing G-011 for description)

**VH**

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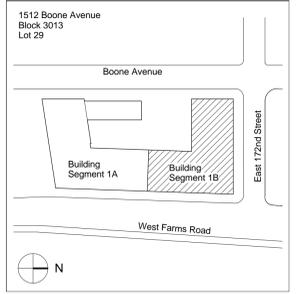
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**Building 1B Unit Plans - Segment A Floors 1-8**

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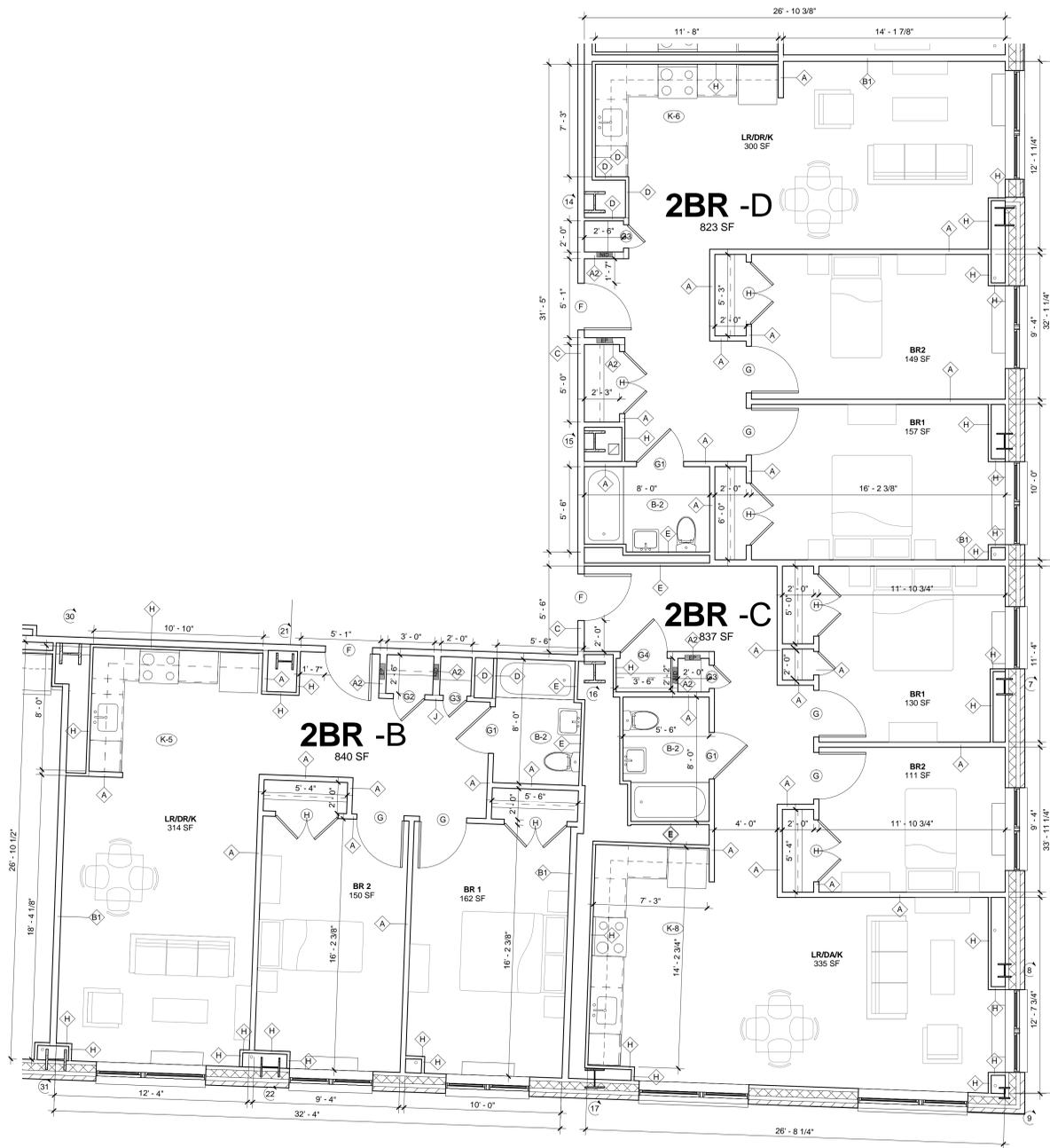
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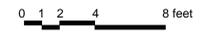
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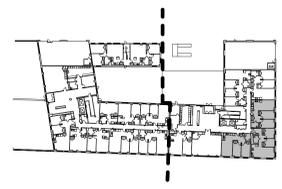


**1 Building 1B Segment B Unit Plans - Ground Floor**  
1/4" = 1'-0"



**IN-WALL PANELS**  
 Electrical Panel  
 NID

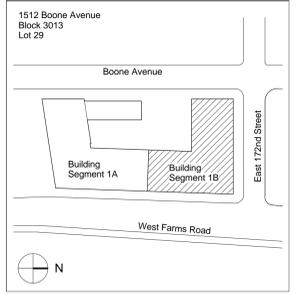
**ACCESSIBILITY LEGEND**  
 Fully Accessible and Adapted, Move-in Ready Units for persons with Mobility Impairments (See drawing G-011 for description)  
 Fully Accessible and Adapted, Move-in Ready Units for persons with Vision and Hearing Impairments (See drawing G-011 for description)



Ground Floor

Revisions

**DOB # 220210368-BX**



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**Building 1B Unit Plans - Segment B Ground Floor**

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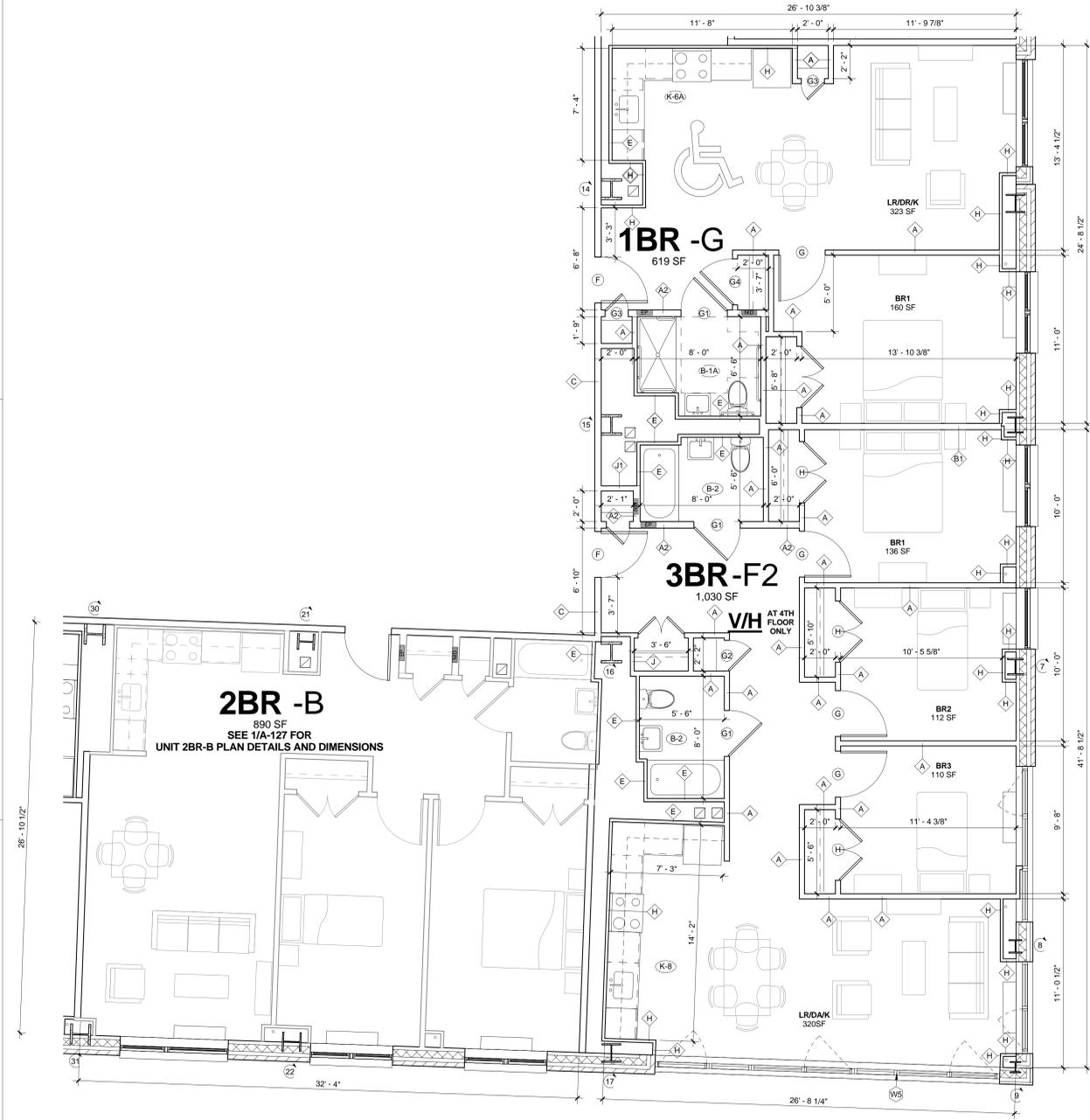
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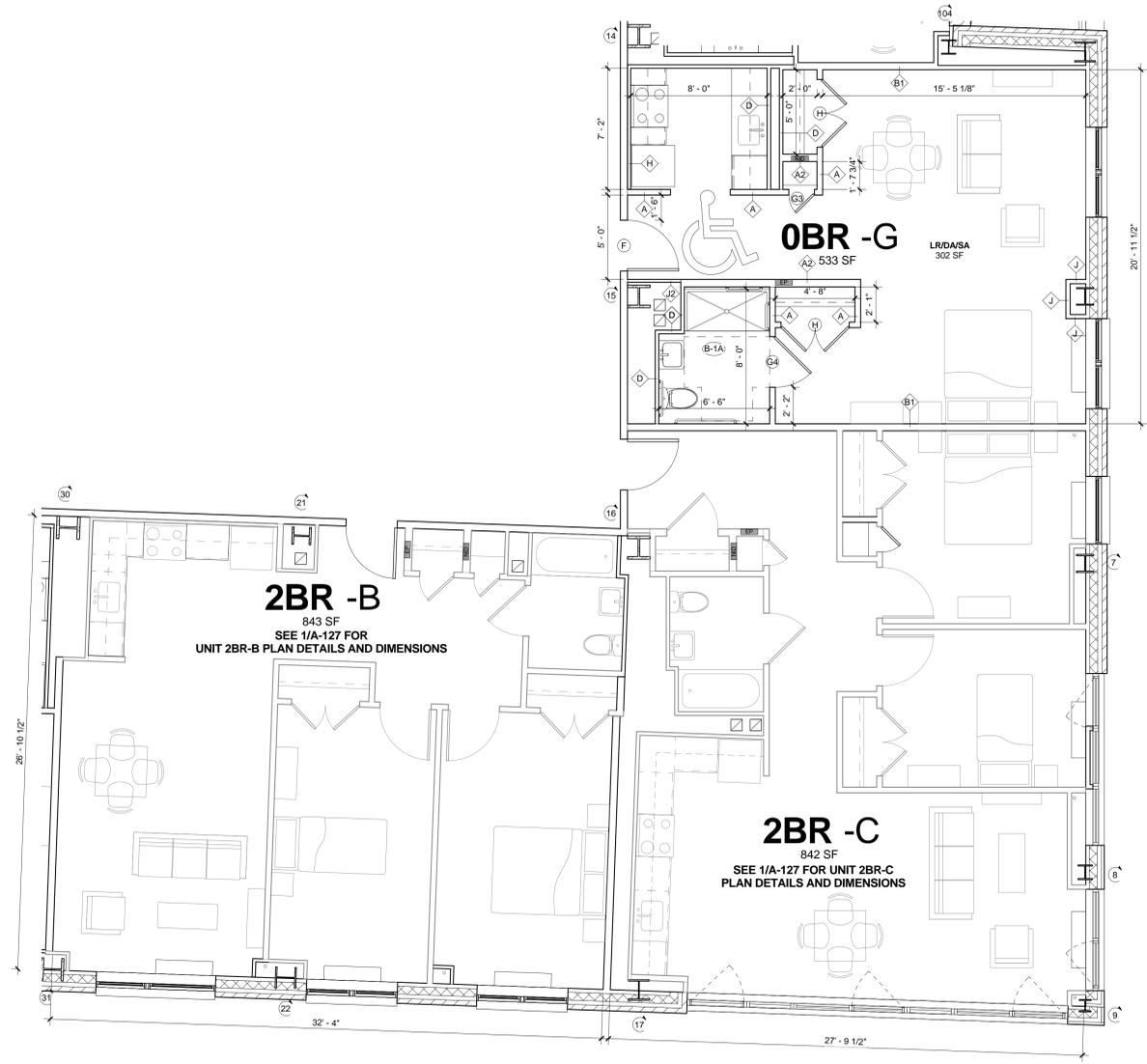
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Building 1B Segment B Unit Plans - Floors (2-6) and (7-8). This drawing is a technical drawing and is not to be used for any other purpose. It is the property of Dattner Architects and is not to be reproduced without their written consent. The information contained herein is for informational purposes only and is not intended to constitute an offer of any financial product or service. The information contained herein is not intended to constitute an offer of any financial product or service. The information contained herein is not intended to constitute an offer of any financial product or service. The information contained herein is not intended to constitute an offer of any financial product or service.



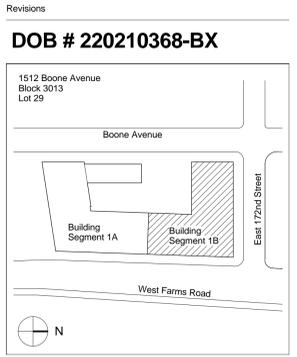
**1** Building 1B Segment B Unit Plans -Floors (2-6)  
1/4" = 1'-0"  
0 1 2 4 8 feet



**2** Building 1B Segment B Unit Plans -Floors (7-8)  
1/4" = 1'-0"  
0 1 2 4 8 feet

**IN-WALL PANELS**  
Electrical Panel  
NID

**ACCESSIBILITY LEGEND**  
Fully Accessible and Adapted, Move-in Ready Units for persons with Mobility Impairments (See drawing G-011 for description)  
**V/H** Fully Accessible and Adapted, Move-in Ready Units for persons with Vision and Hearing Impairments (See drawing G-011 for description)



**Building 1B Unit Plans - Segment B Floors (2-8)**

Date May 7, 2013  
Scale As indicated  
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Project No. 1130.00  
Sheet No. **A-128.00**

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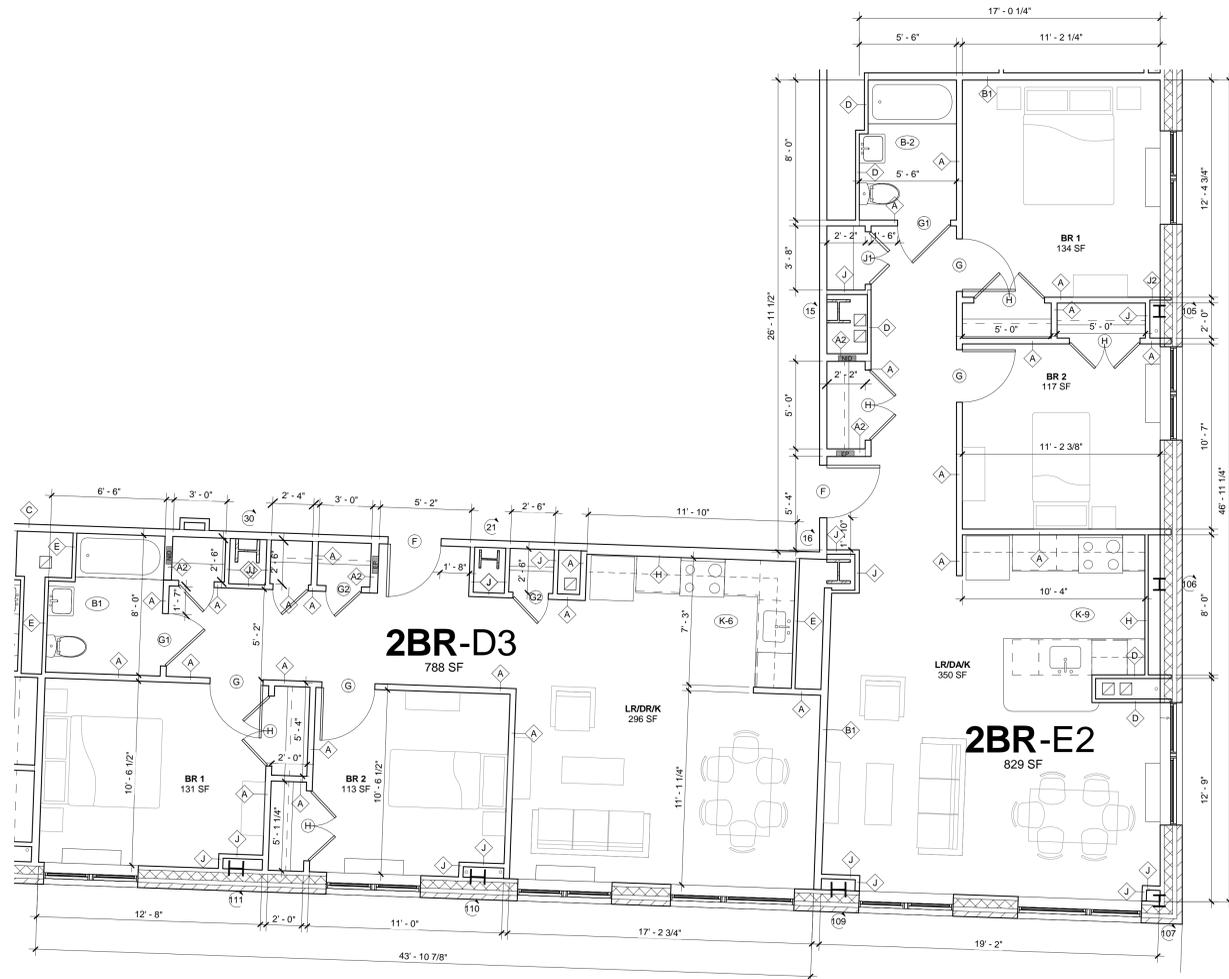
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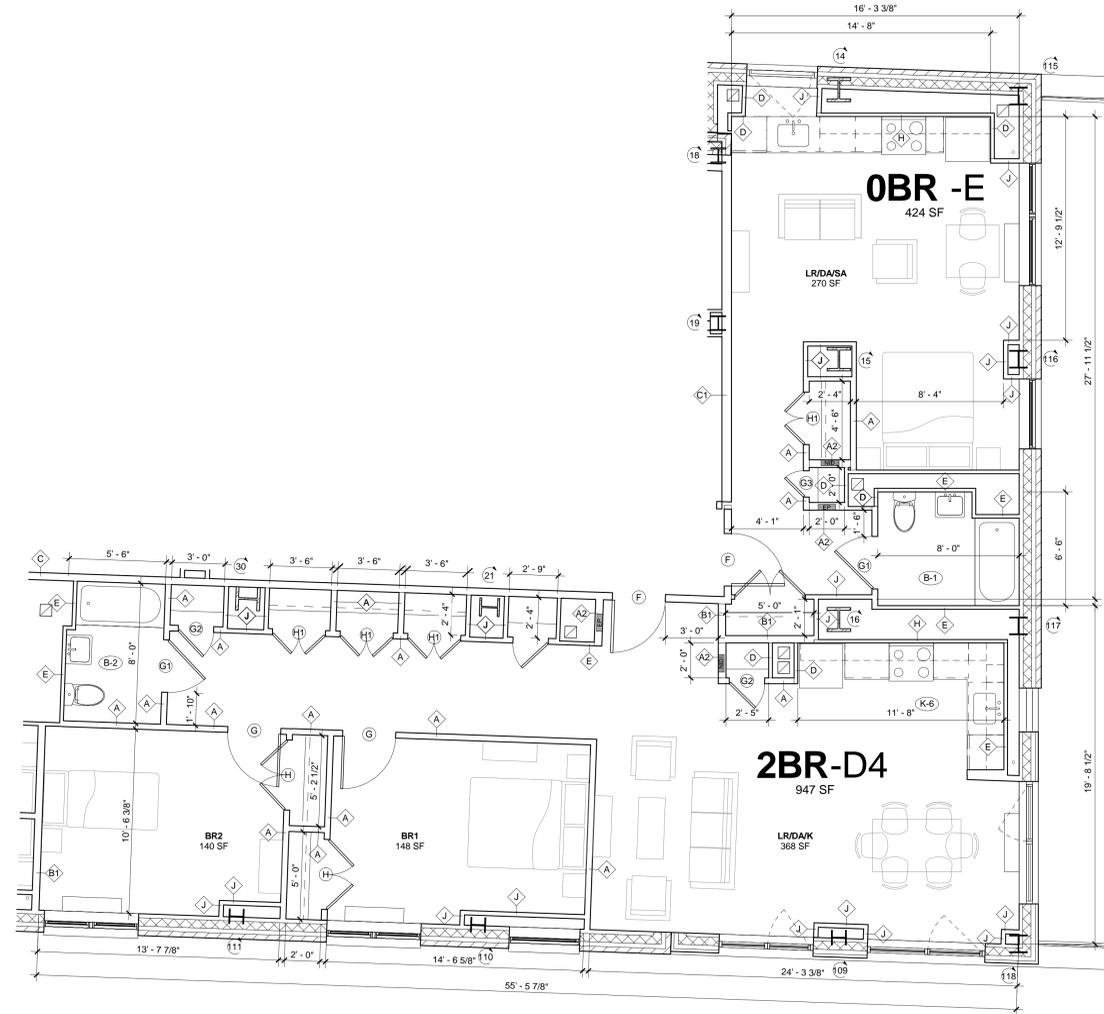
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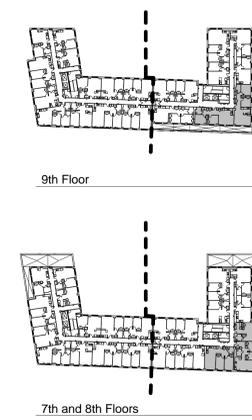
**1** Building 1B Segment B Unit Plans - Floors (9-13)

1/4" = 1'-0"  
0 1 2 4 8 feet



**2** Building 1B Segment B Unit Plans - Floors (14-15)

1/4" = 1'-0"  
0 1 2 4 8 feet

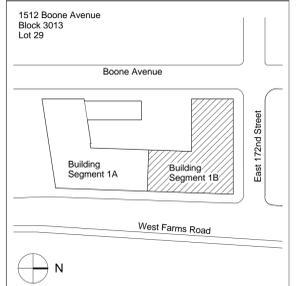


**IN-WALL PANELS**

**ACCESSIBILITY LEGEND**

Revisions

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**Building 1B Unit Plans - Segment B Ground Level & Floors (9-15)**

Date May 7, 2013

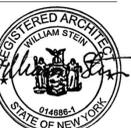
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Project No. 1130.00

Sheet No.



**A-129.00**



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853 Broadway, Suite 2014  
New York, New York 10003

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New York, NY 10018  
tel 212 247 2660  
info@dattner.com

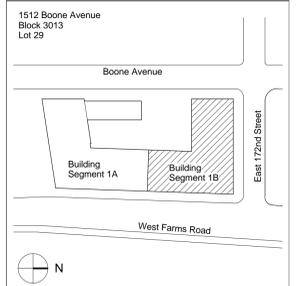
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fax 914-948-8668

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**DOB # 220210368-BX**



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**Building 1B Unit Plans - Segment C Ground Level & Floors (7-9)**

Date May 7, 2013

Scale As indicated

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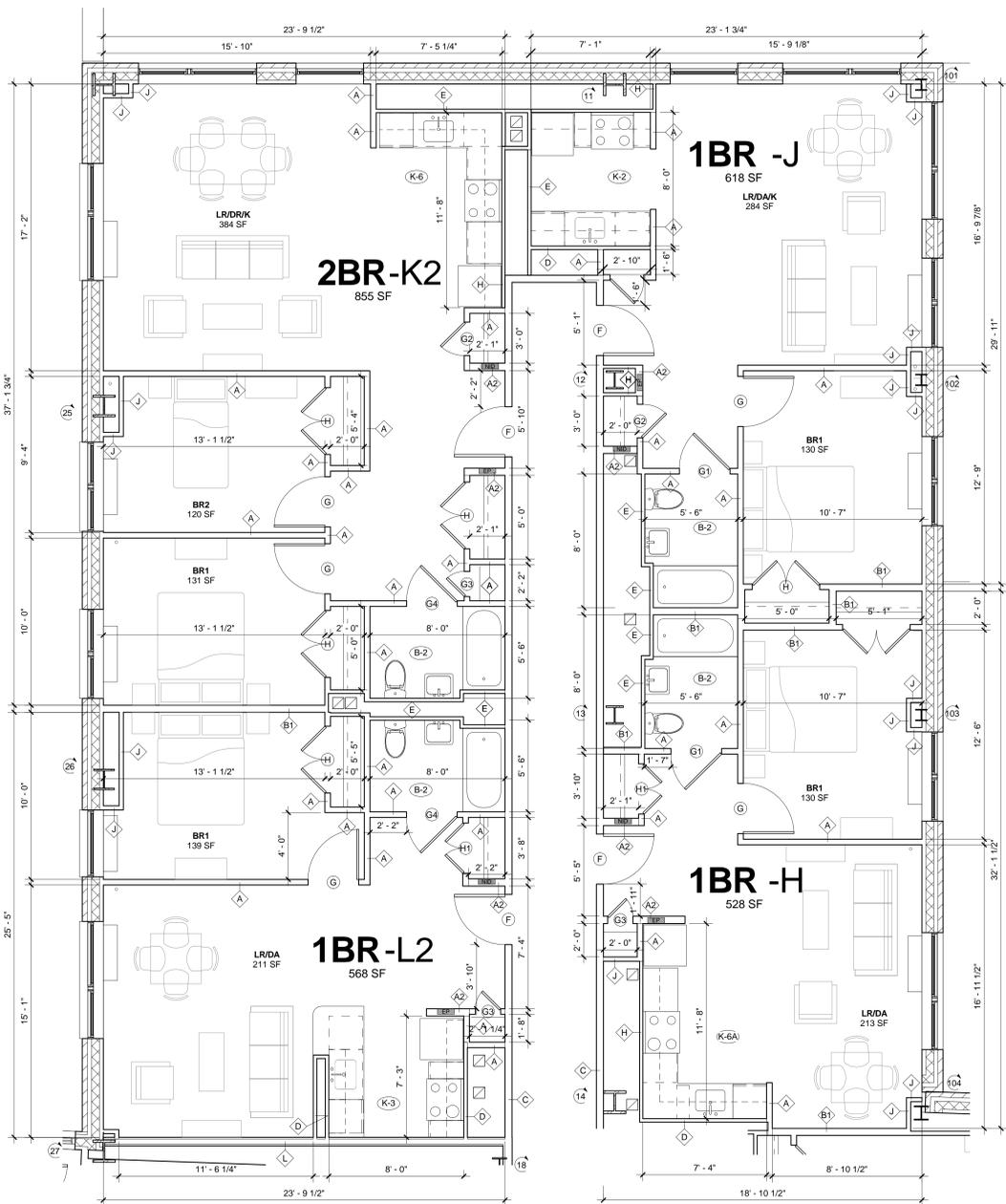
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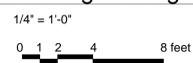
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**A-131.00**

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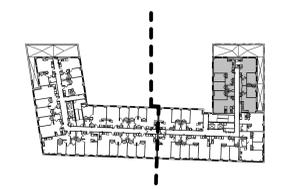


**1 Building 1B Segment A Unit Plans - Floors (7-9)**



**IN-WALL PANELS**  
Electrical Panel  
NID

**ACCESSIBILITY LEGEND**  
Fully Accessible and Adapted, Move-in Ready Units for persons with Mobility Impairments (See drawing G-011 for description)  
**V/H** Fully Accessible and Adapted, Move-in Ready Units for persons with Vision and Hearing Impairments (See drawing G-011 for description)



7th and 9th Floors

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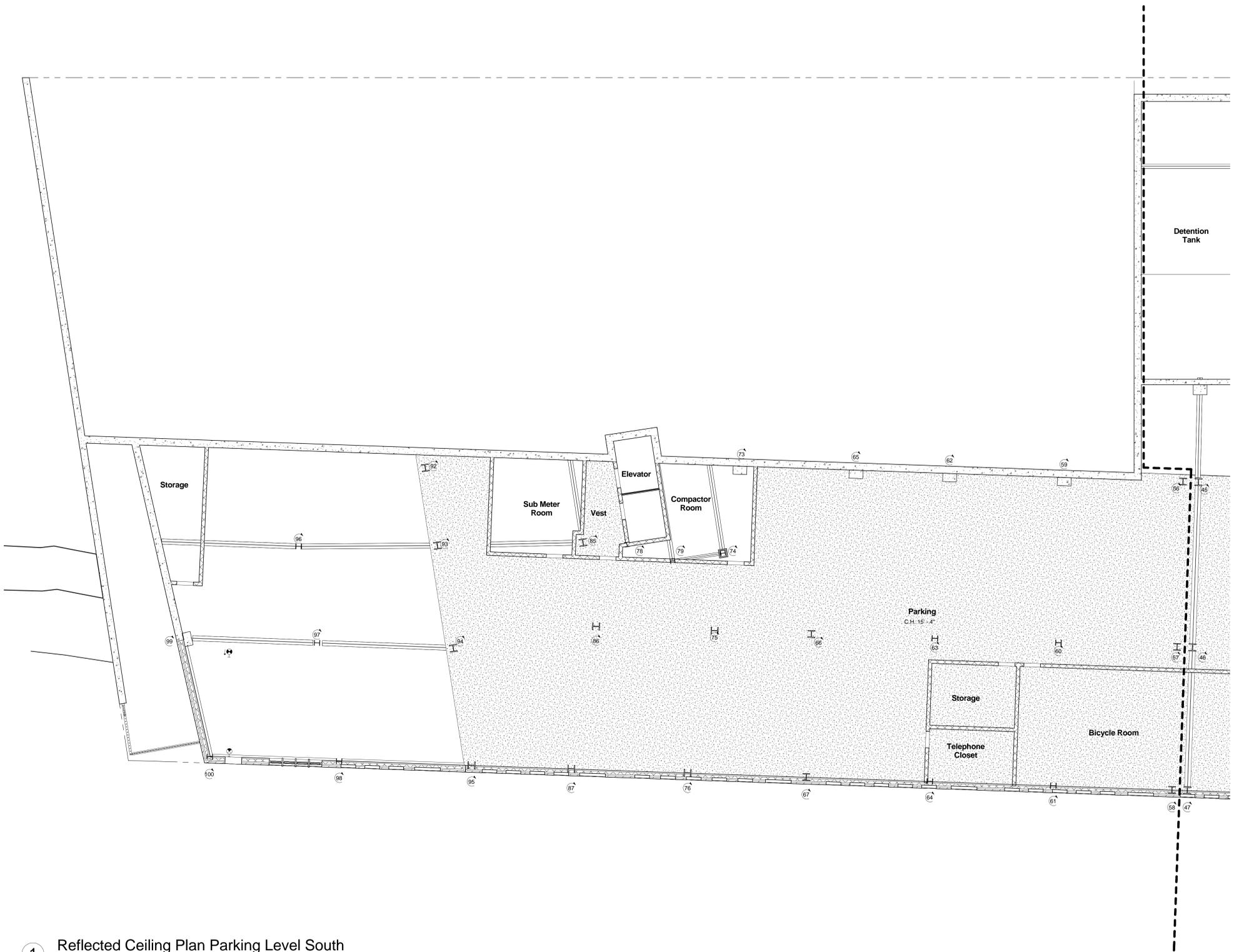
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SEE SPRINKLER DRAWINGS FOR SPRINKLER LAYOUT

**LIGHTING FIXTURE LEGEND**

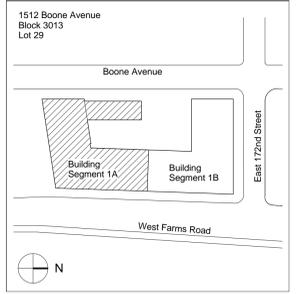
TYPE	FIXTURE DESCRIPTION
F1 ○	APARTMENT HALL ENTRY LIGHT
F2 □	APARTMENT BATHROOM VANITY LIGHT
F3 ○	APARTMENT KITCHEN LIGHT
F4 ○	APARTMENT BATHROOM LIGHT
F5 ⤴	CORRIDOR AND LOBBY SCONCE LIGHT
F6 ○	CORRIDOR RECESSED INCANDESCENT LIGHT
F7 □	2 x 4 FLUORESCENT DOWNLIGHT
F8 ○	PENDANT LOBBY LIGHT
F9 ▬	PENDANT LINEAR LOBBY LIGHT
F10 ▬	STAIRWAY EM LIGHT
F11 □	2 x 2 FLUORESCENT DOWNLIGHT

- Ceiling-Mounted Sprinkler Head
- Recessed Ceiling-Mounted Sprinkler Head
- ▼ Wall-Mounted Sprinkler Head
- ⊙ Carbon Monoxide - Smoke Detector
- Exposed Slab
- ▨ GWS Ceiling
- ⊠ ACT System Compound Ceiling

**1 Reflected Ceiling Plan Parking Level South**  
1/8" = 1'-0"

Revisions

**DOB # 220210368-BX**



Key Plan  
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**Reflected Ceiling Plan  
Parking Level South**

Date May 7, 2013  
Scale As indicated  
Drawn By AO  
Checked By EV  
Project No. 1130.00  
Sheet No. \_\_\_\_\_



**A-151a.00**



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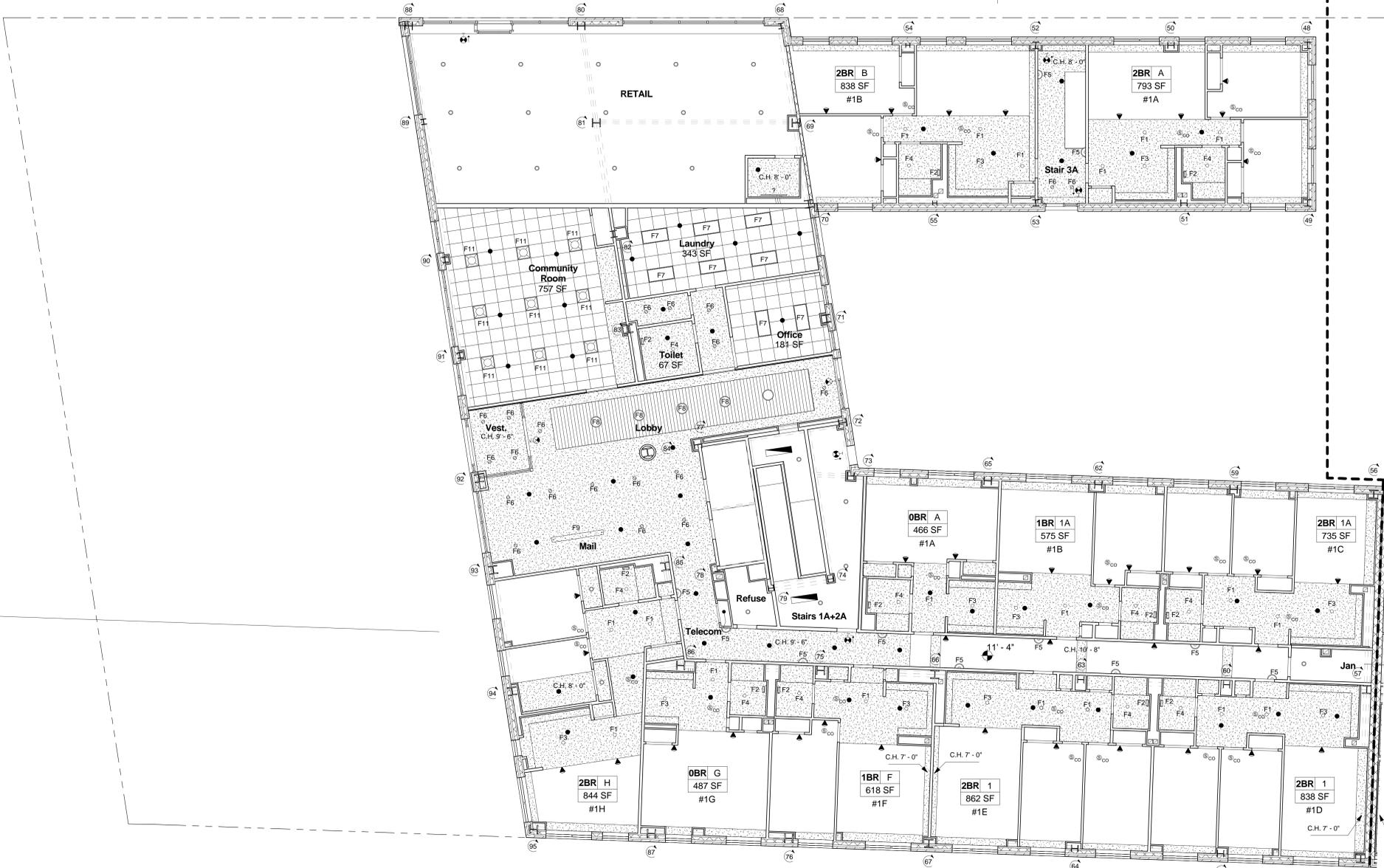
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fax 212-487-3273



**LIGHTING FIXTURE LEGEND**

TYPE	FIXTURE DESCRIPTION
F1	APARTMENT HALL ENTRY LIGHT
F2	APARTMENT BATHROOM VANITY LIGHT
F3	APARTMENT KITCHEN LIGHT
F4	APARTMENT BATHROOM LIGHT
F5	CORRIDOR AND LOBBY SCENCE LIGHT
F6	CORRIDOR RECESSED INCANDESCENT LIGHT
F7	2 x 4 FLUORESCENT DOWNLIGHT
F8	PENDANT LOBBY LIGHT
F9	PENDANT LINEAR LOBBY LIGHT
F10	STAIRWAY EM LIGHT
F11	2 x 2 FLUORESCENT DOWNLIGHT

- Ceiling-Mounted Sprinkler Head
- Recessed Ceiling-Mounted Sprinkler Head
- ◐ Wall-Mounted Sprinkler Head
- ⊙ Carbon Monoxide - Smoke Detector
- Exposed Slab
- ▨ GWB Ceiling
- ⊠ ACT System Compound Ceiling

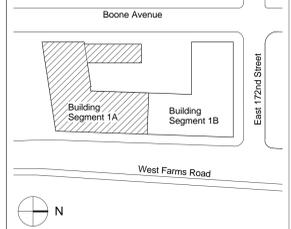
**CEILING HEIGHT LEGEND:**

- @ KITCHEN GWB CEILING = 8'-0"
- @ KITCHEN SOFFITS = 7'-0"
- @ BATHROOM GWB CEILING = 8'-0"
- @ BATHROOM TUBS = 7'-0"
- @ APARTMENT ENTRY DOOR = 7'-0"
- @ WINDOW HEADS = 6'-10"
- @ CORRIDOR SOFFIT = 0' - 8" BELOW UNDERSIDE OF PLANK

Revisions

**DOB # 220210368-BX**

1512 Boone Avenue  
Block 3013  
Lot 29



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**Reflected Ceiling Plan  
First Floor Building 1A**

Date May 7, 2013

Scale As indicated

Drawn By ZW

Checked By EV

Project No. 1130.00 Seal

Sheet No.

**A-152a.00**

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**1 Reflected Ceiling Plan Ground Floor Building 1A**

1/8" = 1'-0"

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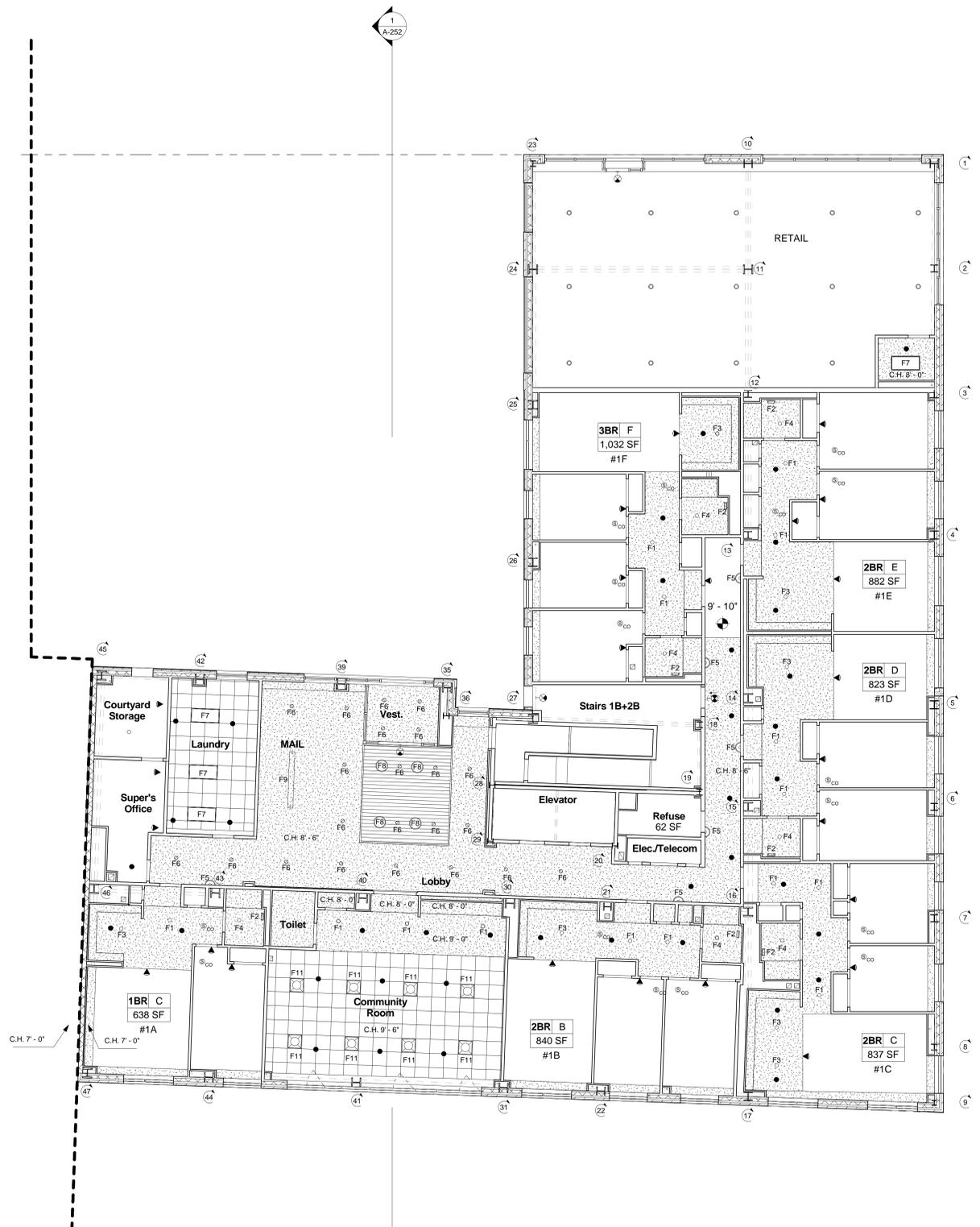
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1 Reflected Ceiling Plan Ground Floor Building 1B  
1/8" = 1'-0"

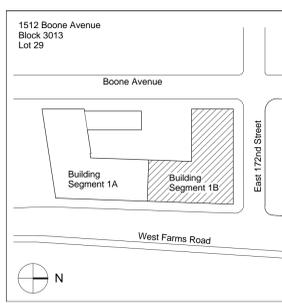
**LIGHTING FIXTURE LEGEND**

TYPE	FIXTURE DESCRIPTION
F1	APARTMENT HALL ENTRY LIGHT
F2	APARTMENT BATHROOM VANITY LIGHT
F3	APARTMENT KITCHEN LIGHT
F4	APARTMENT BATHROOM LIGHT
F5	CORRIDOR AND LOBBY SCONCE LIGHT
F6	CORRIDOR RECESSED INCANDESCENT LIGHT
F7	2' x 4' FLUORESCENT DOWNLIGHT
F8	PENDANT LOBBY LIGHT
F9	PENDANT LINEAR LOBBY LIGHT
F10	STAIRWAY EM LIGHT
F11	2' x 2' FLUORESCENT DOWNLIGHT

- Ceiling-Mounted Sprinkler Head
- Recessed Ceiling-Mounted Sprinkler Head
- ▲ Wall-Mounted Sprinkler Head
- ⊙ Carbon Monoxide - Smoke Detector
- Exposed Slab
- ▨ GWB Ceiling
- ⊠ ACT System Compound Ceiling

**CEILING HEIGHT LEGEND:**  
 @ KITCHEN GWB CEILING = 8'-0"  
 @ KITCHEN SOFFITS = 7'-0"  
 @ BATHROOM GWB CEILING = 8'-0"  
 @ BATHROOM TUBS = 7'-0"  
 @ APARTMENT ENTRY DOOR = 7'-0"  
 @ WINDOW HEADS = 6'-10"  
 @ CORRIDOR SOFFIT = 0' - 8" BELOW UNDERSIDE OF PLANK

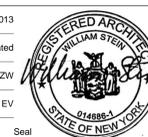
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**DOB # 220210368-BX**



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**Reflected Ceiling Plan  
First Floor Building 1B**

Date May 7, 2013  
Scale As indicated  
Drawn By ZW  
Checked By EV  
Project No. 1130.00 Seal  
Sheet No.



**A-152b.00**

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**LIGHTING FIXTURE LEGEND**

TYPE	FIXTURE DESCRIPTION
F1 ○	APARTMENT HALL ENTRY LIGHT
F2 □	APARTMENT BATHROOM VANITY LIGHT
F3 ○	APARTMENT KITCHEN LIGHT
F4 ○	APARTMENT BATHROOM LIGHT
F5 ◡	CORRIDOR AND LOBBY SCONCE LIGHT
F6 ○	CORRIDOR RECESSED INCANDESCENT LIGHT
F7 □	2' x 4' FLUORESCENT DOWNLIGHT
F8 ○	PENDANT LOBBY LIGHT
F9 ▬	PENDANT LINEAR LOBBY LIGHT
F10 ▬	STAIRWAY EM LIGHT
F11 □	2' x 2' FLUORESCENT DOWNLIGHT

- Ceiling-Mounted Sprinkler Head
- Recessed Ceiling-Mounted Sprinkler Head
- ▼ Wall-Mounted Sprinkler Head
- Ⓢ Carbon Monoxide - Smoke Detector
- Exposed Slab
- ▨ GWB Ceiling

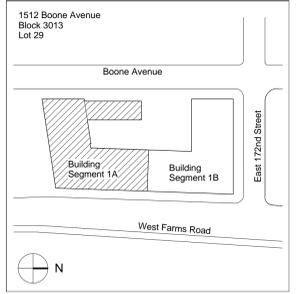
**CEILING HEIGHT LEGEND:**

- Ⓢ KITCHEN GWB CEILING = 8'-0"
- Ⓢ KITCHEN SOFFITS = 7'-0"
- Ⓢ BATHROOM GWB CEILING = 8'-0"
- Ⓢ BATHROOM TUBS = 7'-0"
- Ⓢ APARTMENT ENTRY DOOR = 7'-0"
- Ⓢ WINDOW HEADS = 6'-10"
- Ⓢ CORRIDOR SOFFIT = 0' - 8" BELOW UNDERSIDE OF PLANK

**1** Reflected Ceiling Plan 2nd - 3rd Floors Building 1A  
1/8" = 1'-0"

Revisions

**DOB # 220210368-BX**



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**Reflected Ceiling Plan 2nd and 3rd Floors Building 1A**

Date: May 7, 2013  
Scale: As indicated  
Drawn By: ZW  
Checked By: EV  
Project No.: 1130.00  
Sheet No.: A-153a.00



**A-153a.00**



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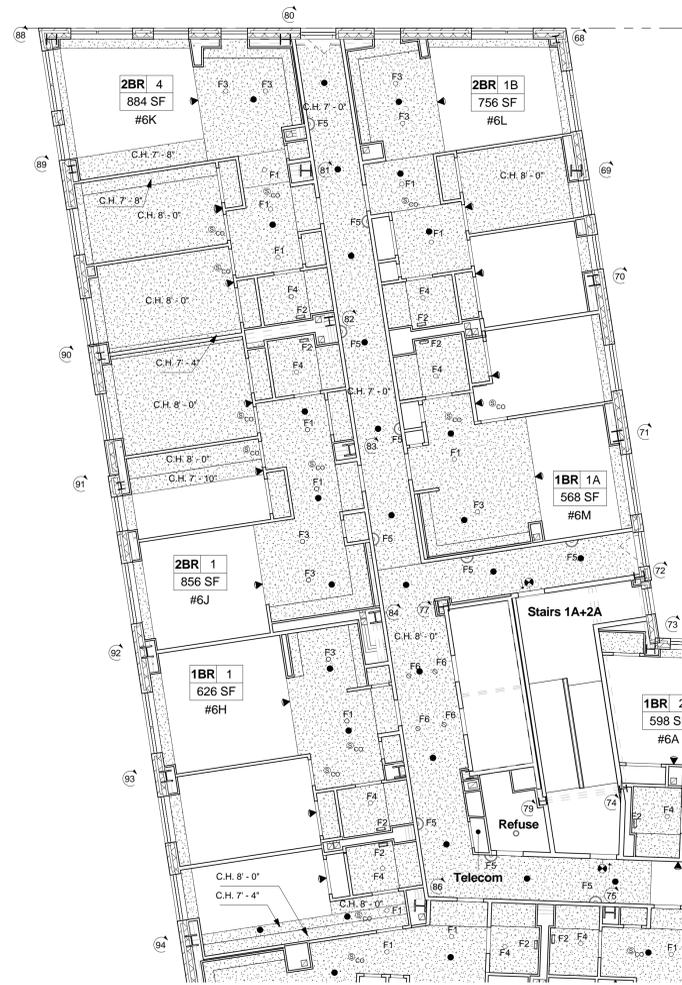
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**2 Reflected Ceiling Plan 6th Floor - Building 1A**  
1/8" = 1'-0"

FOR REFLECTED CEILING PLAN ON FLOOR 6, SEE DWG 2/A-154a



**1 Reflected Ceiling Plan 4th - 6th Floors, Building 1A**  
1/8" = 1'-0"

**LIGHTING FIXTURE LEGEND**

TYPE	FIXTURE DESCRIPTION
F1	APARTMENT HALL ENTRY LIGHT
F2	APARTMENT BATHROOM VANITY LIGHT
F3	APARTMENT KITCHEN LIGHT
F4	APARTMENT BATHROOM LIGHT
F5	CORRIDOR AND LOBBY SCONCE LIGHT
F6	CORRIDOR RECESSED INCANDESCENT LIGHT
F7	2' x 4' FLUORESCENT DOWNLIGHT
F8	PENDANT LOBBY LIGHT
F9	PENDANT LINEAR LOBBY LIGHT
F10	STAIRWAY EM LIGHT
F11	2' x 2' FLUORESCENT DOWNLIGHT

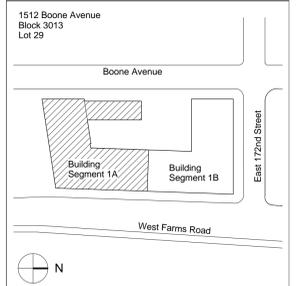
- Ceiling-Mounted Sprinkler Head
- Recessed Ceiling-Mounted Sprinkler Head
- Wall-Mounted Sprinkler Head
- Carbon Monoxide - Smoke Detector
- Exposed Slab
- GWB Ceiling

**CEILING HEIGHT LEGEND:**

- KITCHEN GWB CEILING = 8'-0"
- KITCHEN SCRFFTS = 7'-0"
- BATHROOM GWB CEILING = 8'-0"
- BATHROOM TUBS = 7'-0"
- APARTMENT ENTRY DOOR = 7'-0"
- WINDOW HEADS = 6'-10"
- CORRIDOR SOFFIT = 0' - 8" BELOW UNDERSIDE OF PLANK

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**Reflected Ceiling Plan 4th through 6th Floors Building 1A**

Date May 7, 2013

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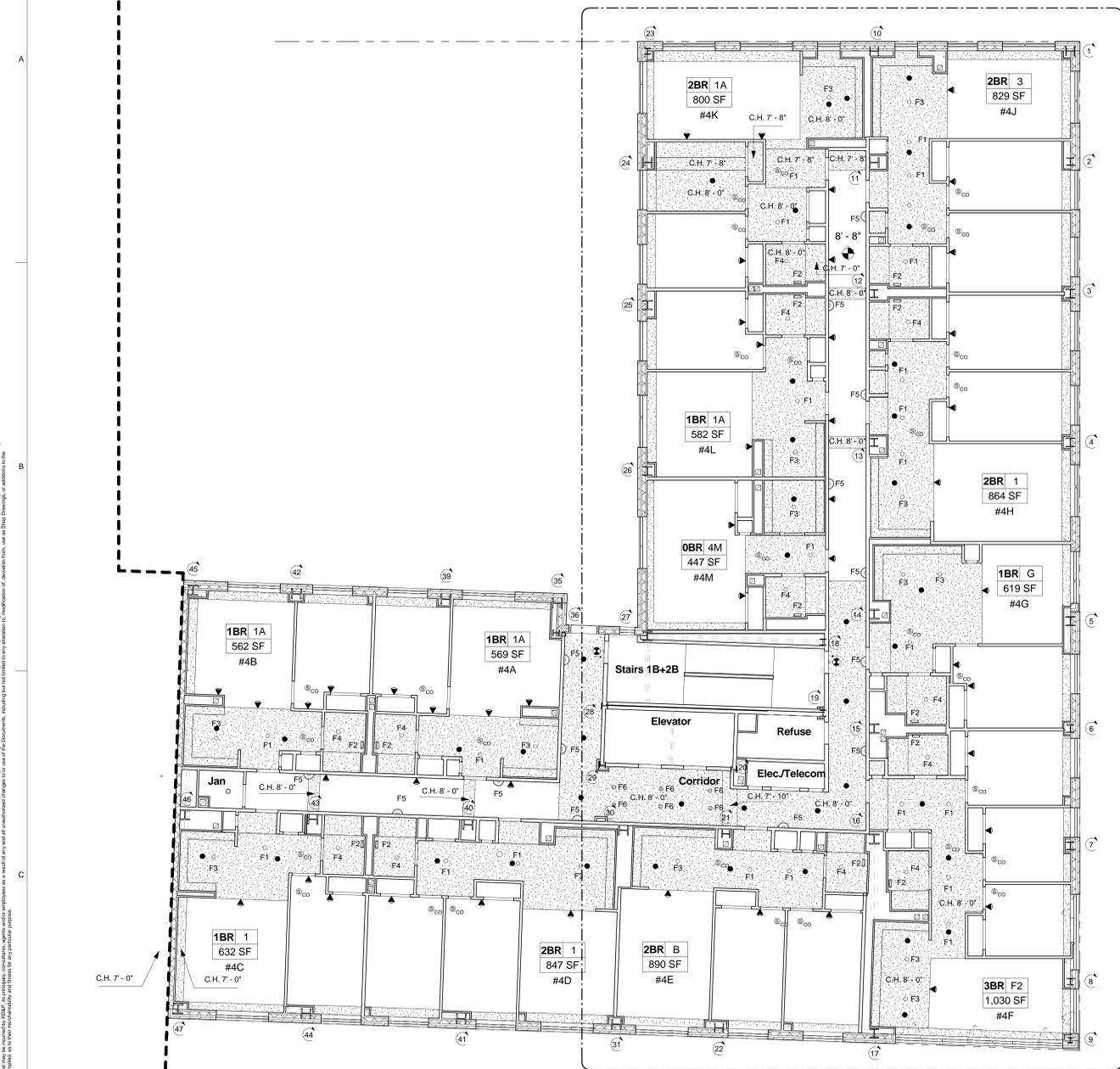
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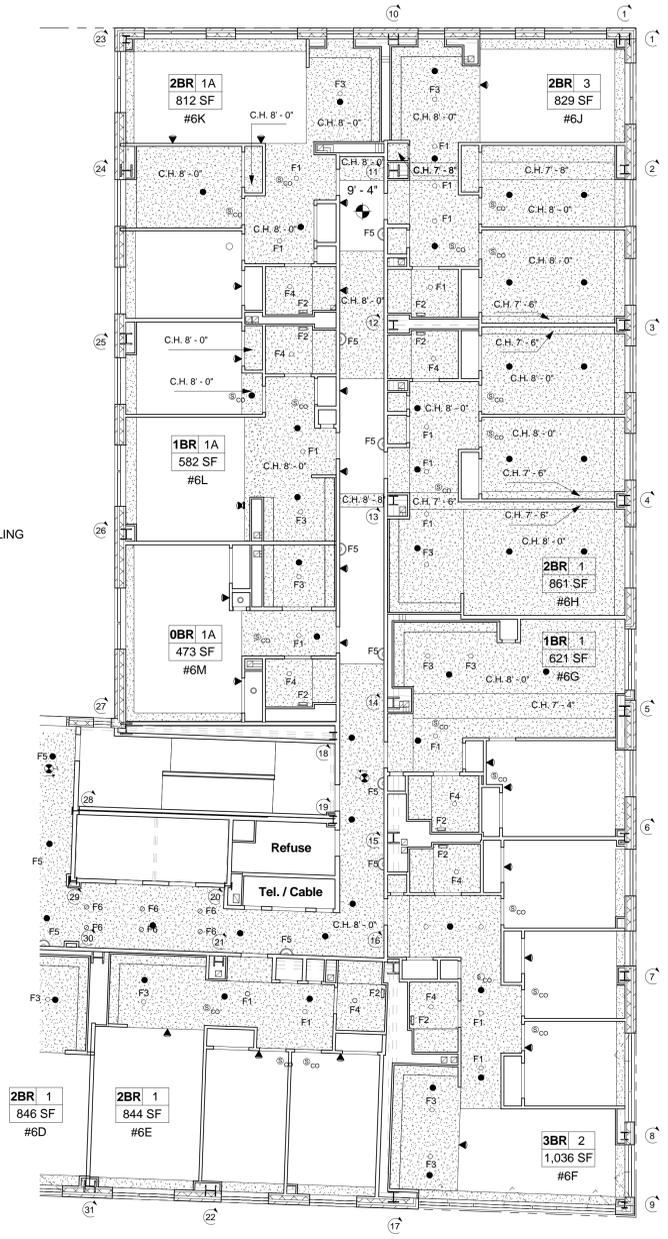
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fax 212-487-3273



**1** Reflected Ceiling Plan 4th - 6th Floors Building 1B  
1/8" = 1'-0"

FOR REFLECTED CEILING  
PLAN ON FLOOR 6,  
SEE DWG 2



**2** Reflected Ceiling Plan 6th Floor Building 1B  
1/8" = 1'-0"

**LIGHTING FIXTURE LEGEND**

TYPE	FIXTURE DESCRIPTION
F1	APARTMENT HALL ENTRY LIGHT
F2	APARTMENT BATHROOM VANITY LIGHT
F3	APARTMENT KITCHEN LIGHT
F4	APARTMENT BATHROOM LIGHT
F5	CORRIDOR AND LOBBY SCONCE LIGHT
F6	CORRIDOR RECESSED INCANDESCENT LIGHT
F7	2' x 4' FLUORESCENT DOWNLIGHT
F8	PENDANT LOBBY LIGHT
F9	PENDANT LINEAR LOBBY LIGHT
F10	STAIRWAY EM LIGHT
F11	2' x 2' FLUORESCENT DOWNLIGHT

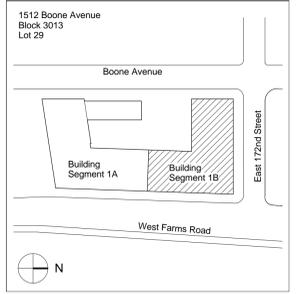
- Ceiling-Mounted Sprinkler Head
- Recessed Ceiling-Mounted Sprinkler Head
- ▼ Wall-Mounted Sprinkler Head
- ⊙ Carbon Monoxide - Smoke Detector
- Exposed Slab
- ▨ GWB Ceiling

**CEILING HEIGHT LEGEND:**

- Ⓚ KITCHEN GWB CEILING = 8'-0"
- Ⓚ KITCHEN SOFFITS = 7'-0"
- Ⓚ BATHROOM GWB CEILING = 8'-0"
- Ⓚ BATHROOM TUBS = 7'-0"
- Ⓚ APARTMENT ENTRY DOOR = 7'-0"
- Ⓚ WINDOW HEADS = 6'-10"
- Ⓚ CORRIDOR SOFFIT = 0'-8" BELOW UNDERSIDE OF PLANK

Revisions

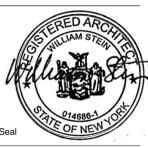
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**Reflected Ceiling Plan 4th through 6th Floors Building 1B**

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Project No. 1130.00 Seal  
Sheet No. **A-154b.00**

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New York, New York 10003

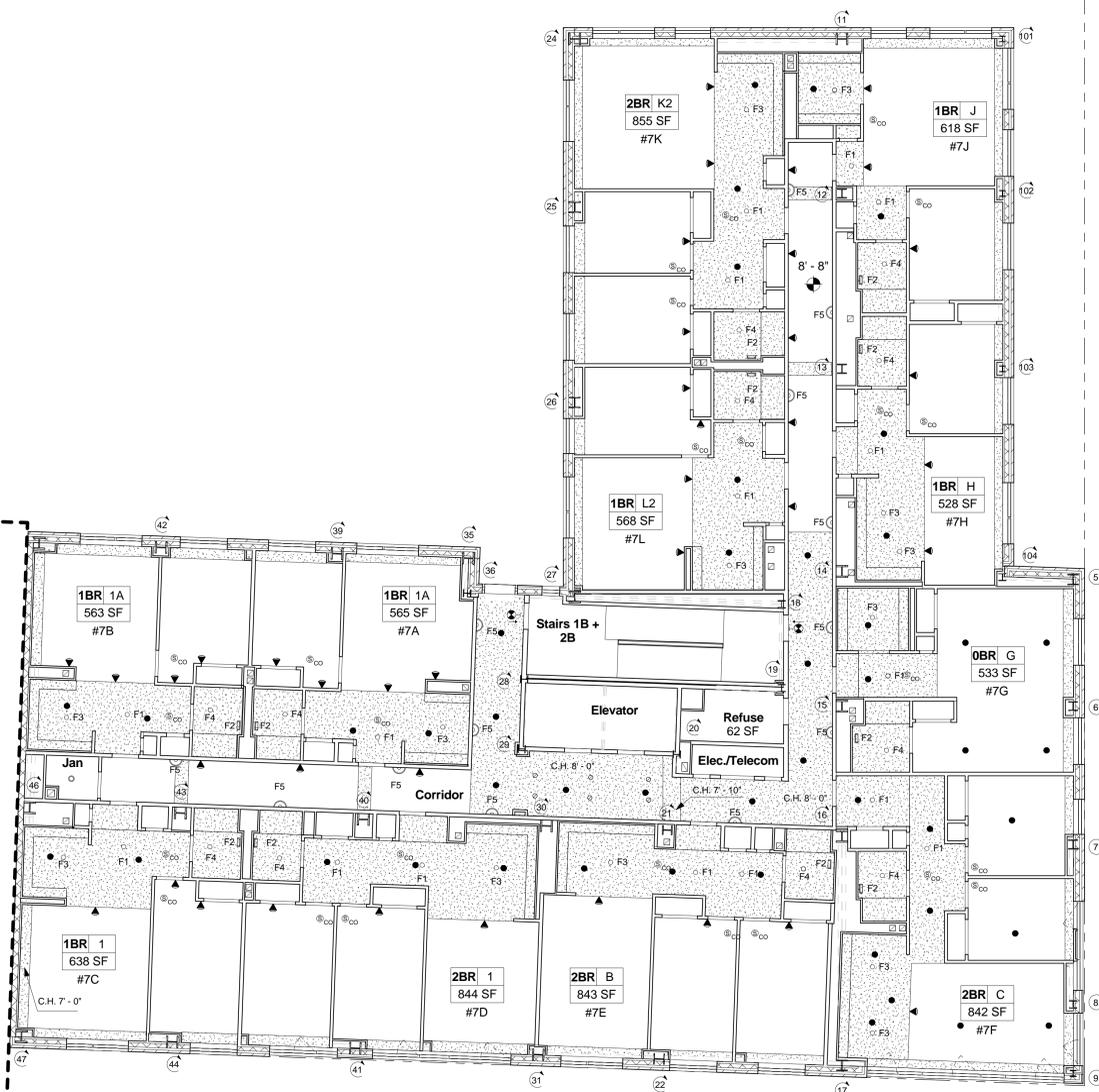
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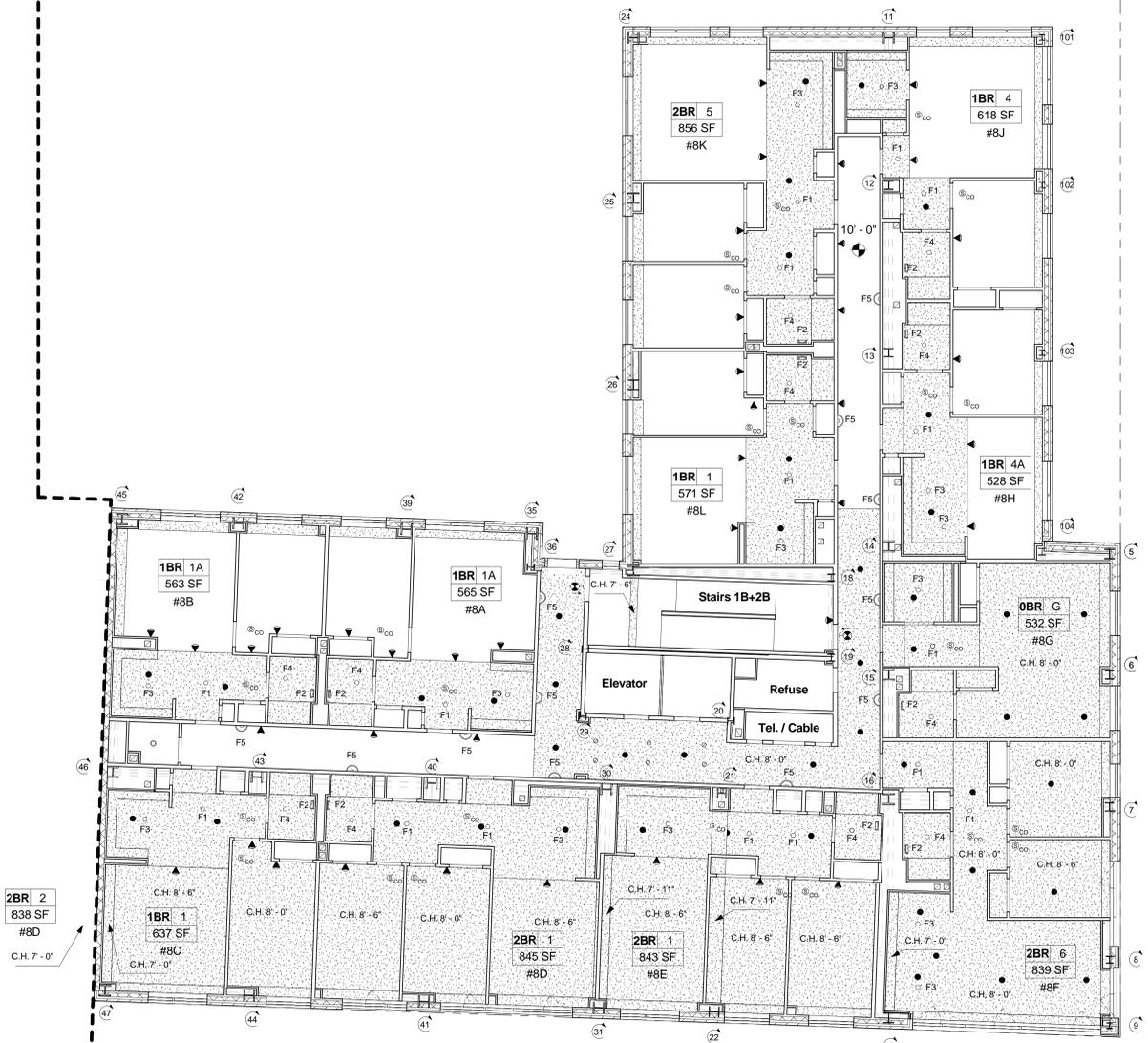
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**1** Reflected Ceiling Plan 7th Floor Building 1B  
1/8" = 1'-0"



**2** Reflected Ceiling Plan 8th Floor Building 1B  
1/8" = 1'-0"

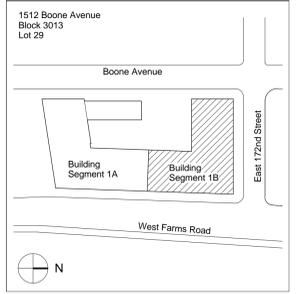
**LIGHTING FIXTURE LEGEND**

TYPE	FIXTURE DESCRIPTION
F1	APARTMENT HALL ENTRY LIGHT
F2	APARTMENT BATHROOM VANITY LIGHT
F3	APARTMENT KITCHEN LIGHT
F4	APARTMENT BATHROOM LIGHT
F5	CORRIDOR AND LOBBY SCONE LIGHT
F6	CORRIDOR RECESSED INCANDESCENT LIGHT
F7	2 x 4 FLUORESCENT DOWNLIGHT
F8	PENDANT LOBBY LIGHT
F9	PENDANT LINEAR LOBBY LIGHT
F10	STAIRWAY EM LIGHT
F11	2 x 2 FLUORESCENT DOWNLIGHT

**CEILING HEIGHT LEGEND:**  
 ● KITCHEN GWB CEILING = 8'-0"  
 ○ KITCHEN SOFFITS = 7'-0"  
 ● BATHROOM GWB CEILING = 8'-0"  
 ○ BATHROOM TUBS = 7'-0"  
 ● APARTMENT ENTRY DOOR = 7'-0"  
 ● WINDOW HEADS = 6'-10"  
 ● CORRIDOR SOFFIT = 0'-8" BELOW UNDERSIDE OF PLANK

Revisions

**DOB # 220210368-BX**



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**Reflected Ceiling Plan 7th and 8th Floors Building 1B**

Date: May 7, 2013  
 Scale: As indicated  
 Drawn By: ZW  
 Checked By: EV  
 Project No.: 1130.00  
 Sheet No.: A-155b.00



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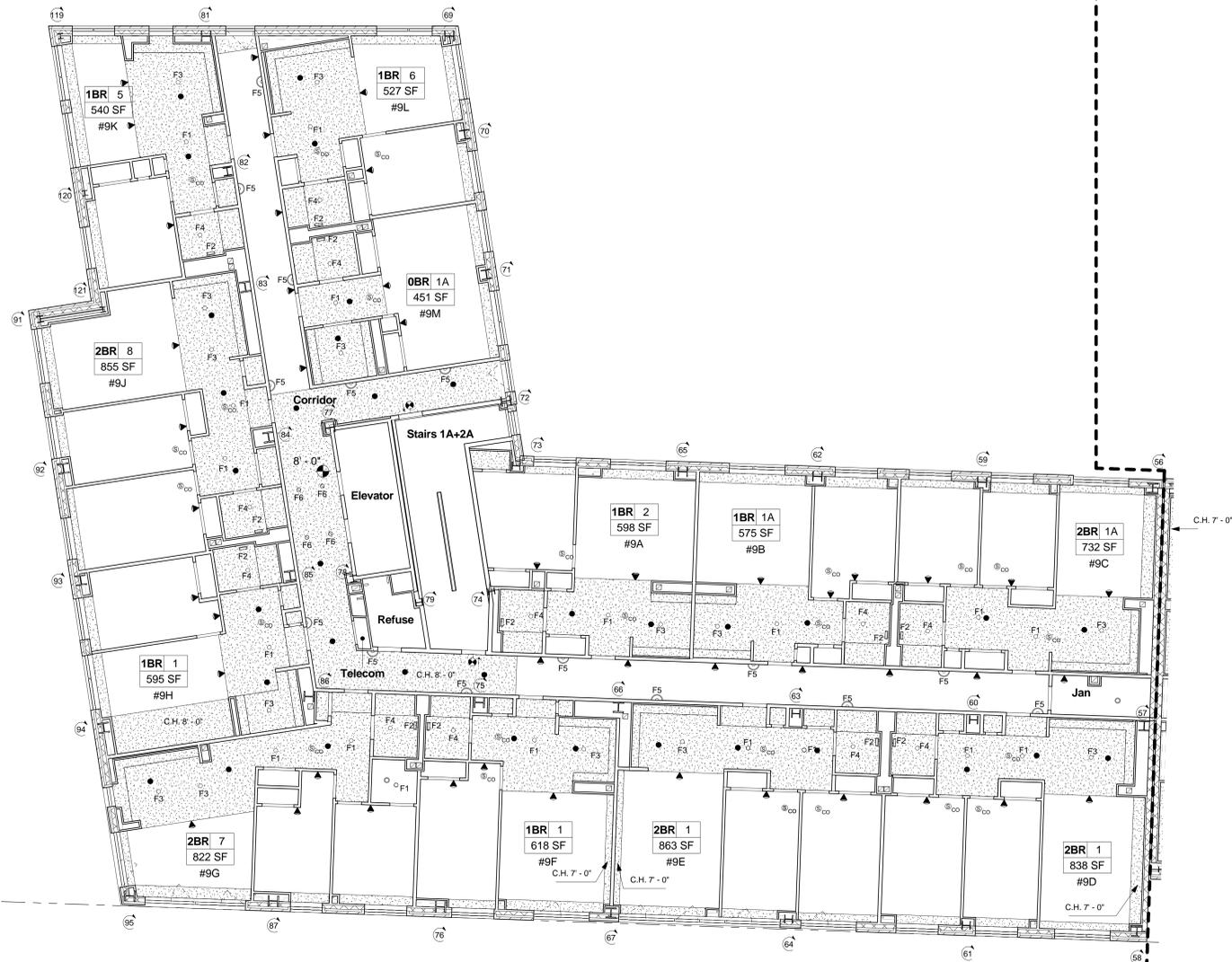
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fax 212-487-3273



**LIGHTING FIXTURE LEGEND**

TYPE	FIXTURE DESCRIPTION
F1 ○	APARTMENT HALL ENTRY LIGHT
F2 □	APARTMENT BATHROOM VANITY LIGHT
F3 ○	APARTMENT KITCHEN LIGHT
F4 ○	APARTMENT BATHROOM LIGHT
F5 ▬	CORRIDOR AND LOBBY SCONCE LIGHT
F6 ○	CORRIDOR RECESSED INCANDESCENT LIGHT
F7 □	2' x 4' FLUORESCENT DOWNLIGHT
F8 ○	PENDANT LOBBY LIGHT
F9 ▬	PENDANT LINEAR LOBBY LIGHT
F10 ▬	STAIRWAY EM LIGHT
F11 □	2' x 2' FLUORESCENT DOWNLIGHT

- Ceiling-Mounted Sprinkler Head
- Recessed Ceiling-Mounted Sprinkler Head
- ▼ Wall-Mounted Sprinkler Head
- ⊙ Carbon Monoxide - Smoke Detector
- Exposed Slab
- ▨ GWB Ceiling

**CEILING HEIGHT LEGEND:**

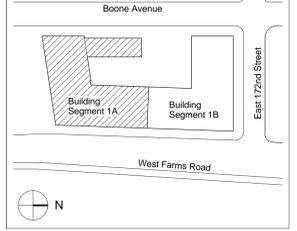
- ⊙ KITCHEN GWB CEILING = 8'-0"
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- ⊙ BATHROOM TUBS = 7'-0"
- ⊙ APARTMENT ENTRY DOOR = 7'-0"
- ⊙ WINDOW HEADS = 6'-10"
- ⊙ CORRIDOR SOFFIT = 0' - 8" BELOW UNDERSIDE OF PLANK

**1** Reflected Ceiling Plan 9th Floor - Building 1A  
1/8" = 1'-0"

Revisions

**DOB # 220210368-BX**

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Lot 29



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**Reflected Ceiling Plan 9th Floor Building 1A**

Date May 7, 2013

Scale As indicated

Drawn By ZW

Checked By EV

Project No. 1130.00 Seal

Sheet No.



**A-156a.00**

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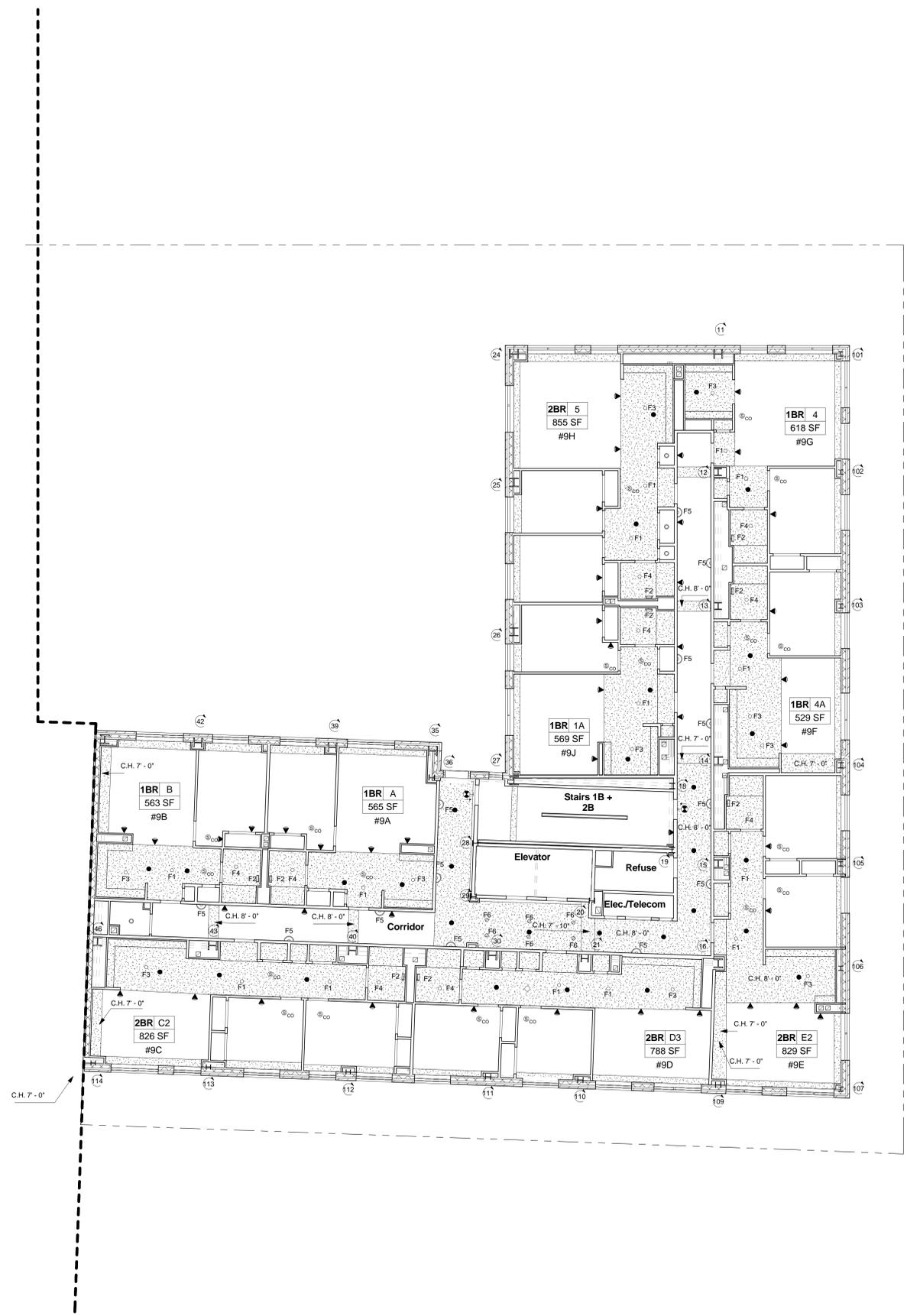
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1 Reflected Ceiling Plan 9th Floor - Building 1B  
1/8" = 1'-0"

**LIGHTING FIXTURE LEGEND**

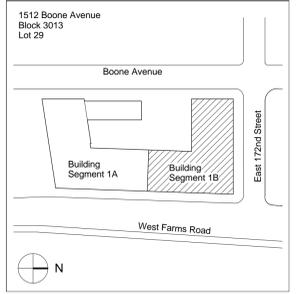
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F3	APARTMENT KITCHEN LIGHT
F4	APARTMENT BATHROOM LIGHT
F5	CORRIDOR AND LOBBY SCENCE LIGHT
F6	CORRIDOR RECESSED INCANDESCENT LIGHT
F7	2' x 4' FLUORESCENT DOWNLIGHT
F8	PENDANT LOBBY LIGHT
F9	PENDANT LINEAR LOBBY LIGHT
F10	STAIRWAY EM LIGHT
F11	2' x 2' FLUORESCENT DOWNLIGHT

- Ceiling-Mounted Sprinkler Head
- Recessed Ceiling-Mounted Sprinkler Head
- Wall-Mounted Sprinkler Head
- Carbon Monoxide - Smoke Detector
- Exposed Slab
- GWB Ceiling

**CEILING HEIGHT LEGEND:**

- KITCHEN GWB CEILING = 8'-0"
- KITCHEN SOFFITS = 7'-0"
- BATHROOM GWB CEILING = 8'-0"
- BATHROOM TUBS = 7'-0"
- APARTMENT ENTRY DOOR = 7'-0"
- WINDOW HEADS = 6'-10"
- CORRIDOR SOFFIT = 0' - 8" BELOW UNDERSIDE OF PLANK

Revisions  
**DOB # 220210368-BX**



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**Reflected Ceiling Plan 9th Floor Building 1B**

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Checked By: EV  
Project No.: 1130.00  
Sheet No.: A-156b.00



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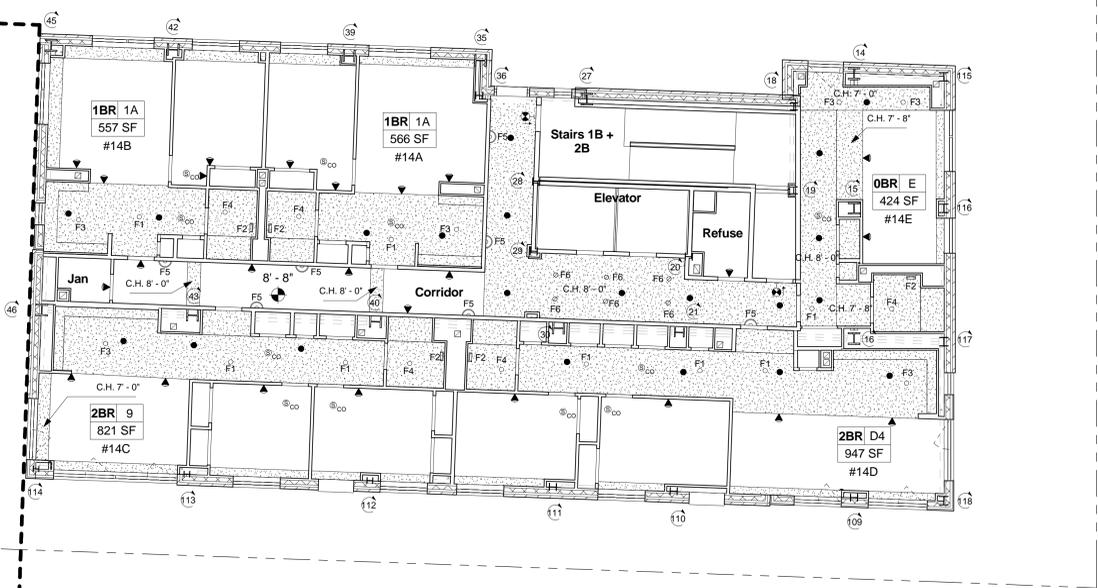
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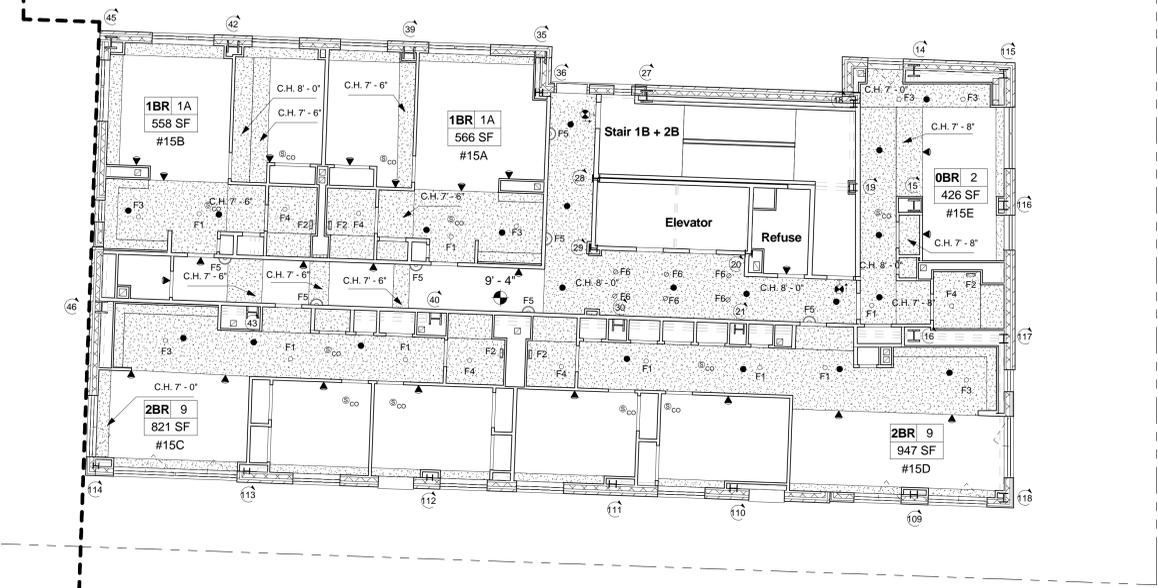
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fax 212-487-3273



1 Reflected Ceiling Plan 14th Floor Building 1B  
1/8" = 1'-0"



2 Reflected Ceiling Plan 15th Floor Building 1B  
1/8" = 1'-0"

**LIGHTING FIXTURE LEGEND**

TYPE	FIXTURE DESCRIPTION
F1	APARTMENT HALL ENTRY LIGHT
F2	APARTMENT BATHROOM VANITY LIGHT
F3	APARTMENT KITCHEN LIGHT
F4	APARTMENT BATHROOM LIGHT
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F6	CORRIDOR RECESSED INCANDESCENT LIGHT
F7	2' x 4' FLUORESCENT DOWNLIGHT
F8	PENDANT LOBBY LIGHT
F9	PENDANT LINEAR LOBBY LIGHT
F10	STAIRWAY EM LIGHT
F11	2' x 2' FLUORESCENT DOWNLIGHT

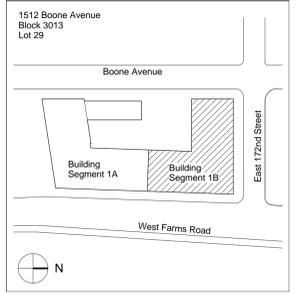
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- ⊙ APARTMENT ENTRY DOOR = 7'-0"
- ⊙ WINDOW HEADS = 6'-10"
- ⊙ CORRIDOR SOFFIT = 0' - 8" BELOW UNDERSIDE OF PLANK

- Ceiling-Mounted Sprinkler Head
- Recessed Ceiling-Mounted Sprinkler Head
- ▼ Wall-Mounted Sprinkler Head
- ⊙ Carbon Monoxide - Smoke Detector
- Exposed Slab
- ▨ GWB Ceiling

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**Reflected Ceiling Plan  
14th and 15th Floors  
Building 1B**

Date May 7, 2013

Scale As indicated

Drawn By ZW

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**A-158b.00**



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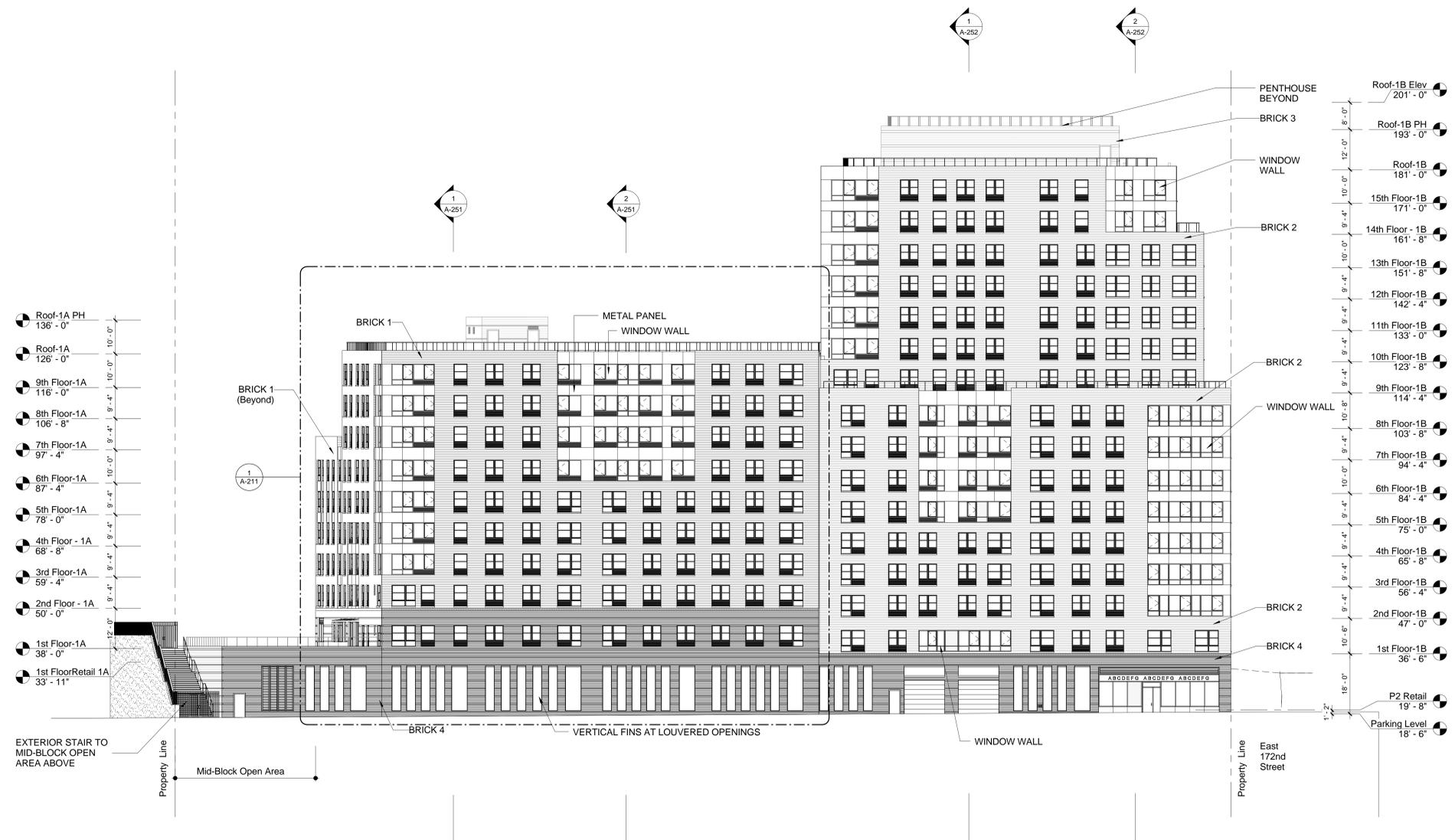
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fax 212-487-3273



- Roof-1A PH 136' - 0"
- Roof-1A 126' - 0"
- 9th Floor-1A 116' - 0"
- 8th Floor-1A 106' - 8"
- 7th Floor-1A 97' - 4"
- 6th Floor-1A 87' - 4"
- 5th Floor-1A 78' - 0"
- 4th Floor-1A 68' - 8"
- 3rd Floor-1A 59' - 4"
- 2nd Floor-1A 50' - 0"
- 1st Floor-1A 38' - 0"
- 1st FloorRetail 1A 33' - 11"

- Roof-1B Elev 201' - 0"
- Roof-1B PH 193' - 0"
- Roof-1B 181' - 0"
- 15th Floor-1B 171' - 0"
- 14th Floor-1B 161' - 8"
- 13th Floor-1B 151' - 8"
- 12th Floor-1B 142' - 4"
- 11th Floor-1B 133' - 0"
- 10th Floor-1B 123' - 8"
- 9th Floor-1B 114' - 4"
- 8th Floor-1B 103' - 8"
- 7th Floor-1B 94' - 4"
- 6th Floor-1B 84' - 4"
- 5th Floor-1B 75' - 0"
- 4th Floor-1B 65' - 8"
- 3rd Floor-1B 56' - 4"
- 2nd Floor-1B 47' - 0"
- 1st Floor-1B 36' - 6"
- P2 Retail 19' - 8"
- Parking Level 18' - 6"

**1 East Elevation at West Farms Road**  
1/16" = 1'-0"  
0 4 8 16 32 feet

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**DOB # 220210368-BX**

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**East Elevation at West Farms Road**

Date: May 7, 2013  
Scale: 1/16" = 1'-0"  
Drawn By: EV / PC  
Checked By: WS  
Project No.: 1130.00  
Sheet No.: **A-201.00**

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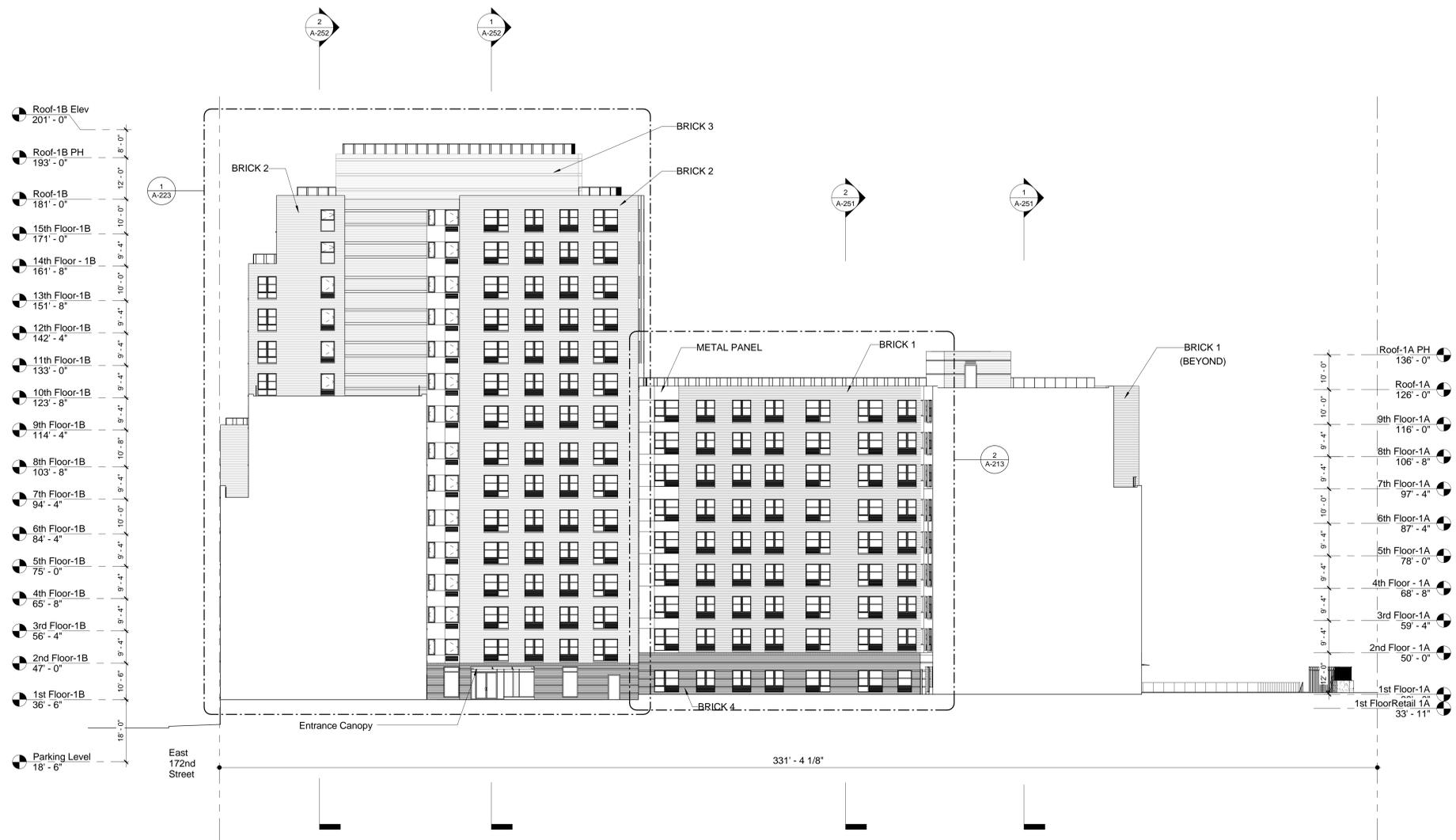
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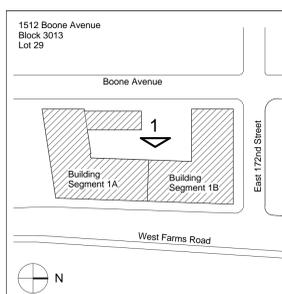
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**1 Elevation at Courtyard**  
1/16" = 1'-0"  
0 4 8 16 32 feet

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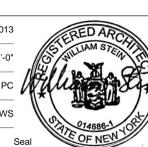
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**Courtyard Elevation East**

Date May 7, 2013  
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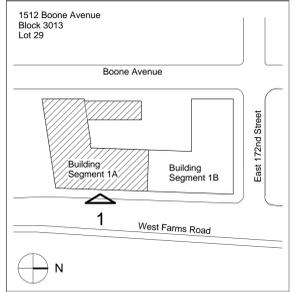
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**DOB # 220210368-BX**



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**East Elevation Bldg 1A**

Date May 7, 2013

Scale 1/8" = 1'-0"

Drawn By ZW

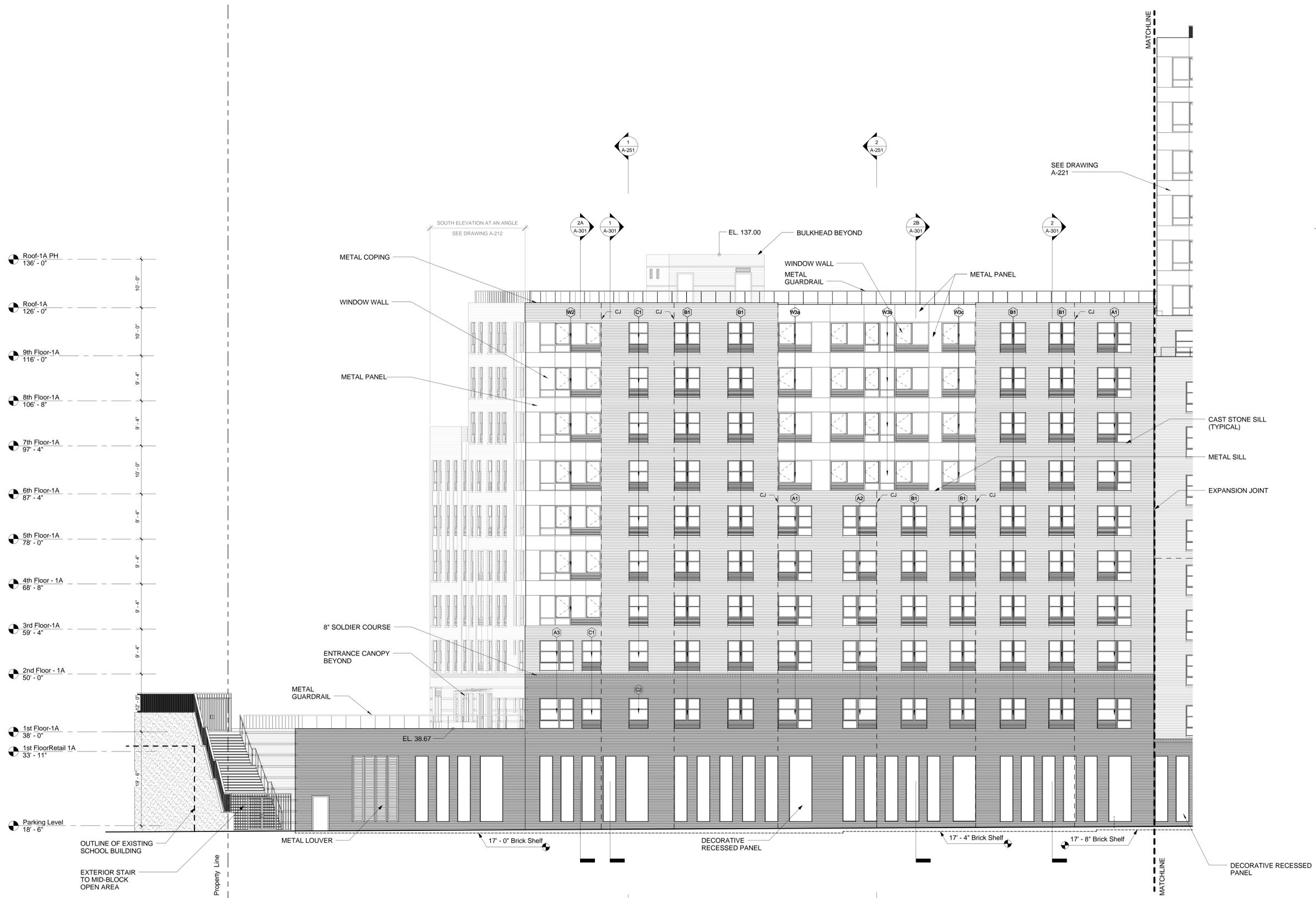
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Project No. 1130.00 Seal

Sheet No.

**A-211.00**

H:\1127\DWG\DWG\Rev\Rev Central File



**1 East Elevation at West Farms Road - Building 1A**



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**1** South Elevation at Mid-block Open Area  
 1/8" = 1'-0"  
 0 2 4 8 16 feet

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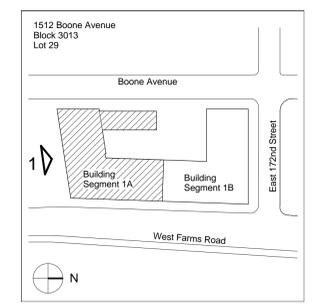
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**South Elevation Bldg 1A**

Date May 7, 2013  
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 Checked By WS  
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 Sheet No.



of **A-212.00**  
 H:\1127\DWG\DWG\Rev\Central File



**Compass Residences**

PHASE I

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155 3rd Street  
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Industoo Holdings, LLC  
853 Broadway, Suite 2014  
New York, New York 10003

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info@dattner.com

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**De Nardis Engineering, LLC**  
15 Reservoir Road  
White Plains, NY 10603-2516  
tel 914-948-8844  
fax 914-948-8868

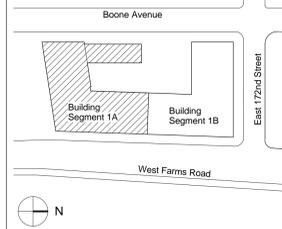
Mechanical/Electrical/Plumbing Engineers  
**Abraham Joselow Consulting Engineers**  
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Revisions

**DOB # 220210368-BX**

1512 Boone Avenue  
Block 3013  
Lot 29



Key Plan  
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**Exterior Elevations  
Building 1A**

Date May 7, 2013

Scale 1/8" = 1'-0"

Drawn By JP

Checked By Checker

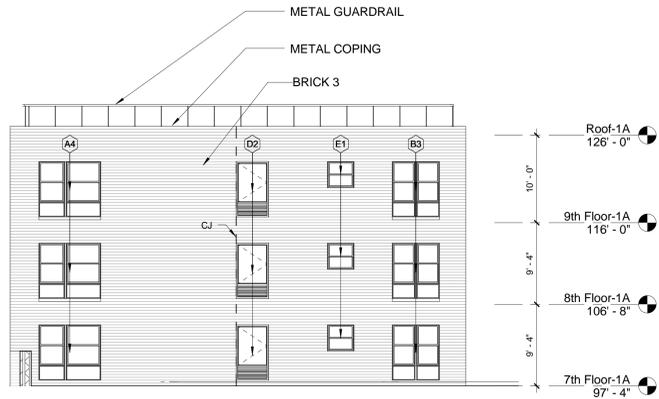
Project No. 1130.00

Sheet No.

**A-214.00**

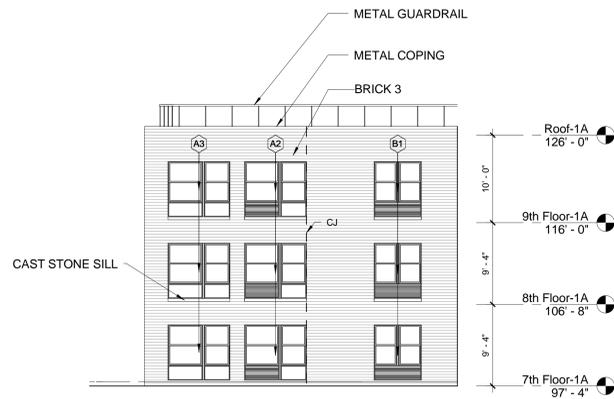


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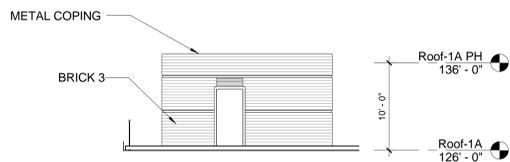
**1 Upper West Elevation 1A (7th-9th Floor)**

1/8" = 1'-0"  
0 2 4 8 16 feet



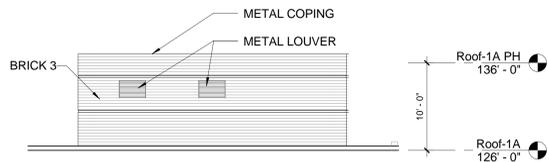
**2 Upper South Elevation 1A (7th-9th Floor)**

1/8" = 1'-0"  
0 2 4 8 16 feet



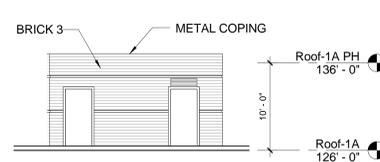
**3 Bulkhead West Elevation 1A**

1/8" = 1'-0"  
0 2 4 8 16 feet



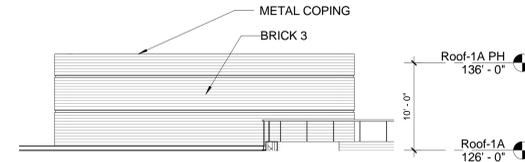
**4 Bulkhead South Elevation 1A**

1/8" = 1'-0"  
0 2 4 8 16 feet



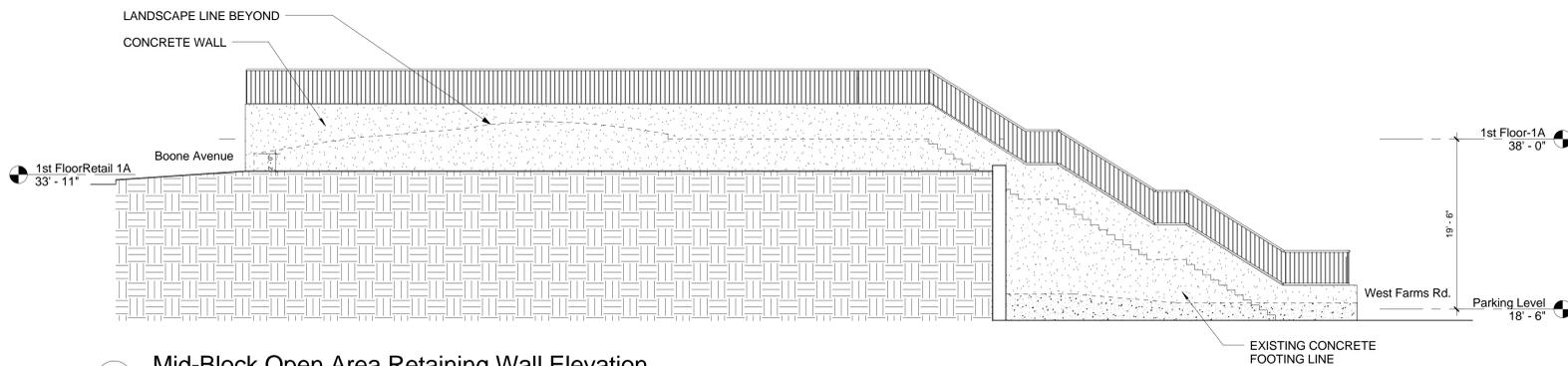
**5 Bulkhead East Elevation 1A**

1/8" = 1'-0"  
0 2 4 8 16 feet



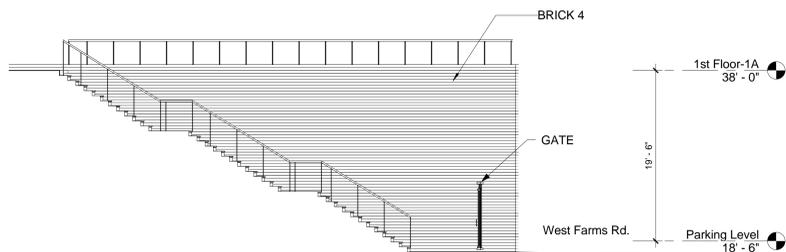
**6 Bulkhead North Elevation 1A**

1/8" = 1'-0"  
0 2 4 8 16 feet



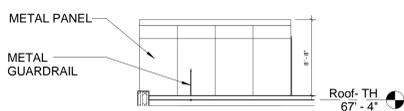
**7 Mid-Block Open Area Retaining Wall Elevation**

1/8" = 1'-0"  
0 2 4 8 16 feet



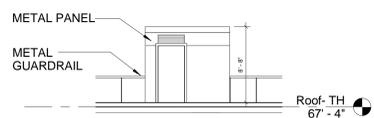
**8 Mid-Block Open Area Stair Wall Elevation**

1/8" = 1'-0"  
0 2 4 8 16 feet



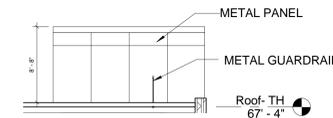
**9 Stair Bulkhead South Elevation TH**

1/8" = 1'-0"  
0 2 4 8 16 feet



**10 Stair Bulkhead East Elevation TH**

1/8" = 1'-0"  
0 2 4 8 16 feet



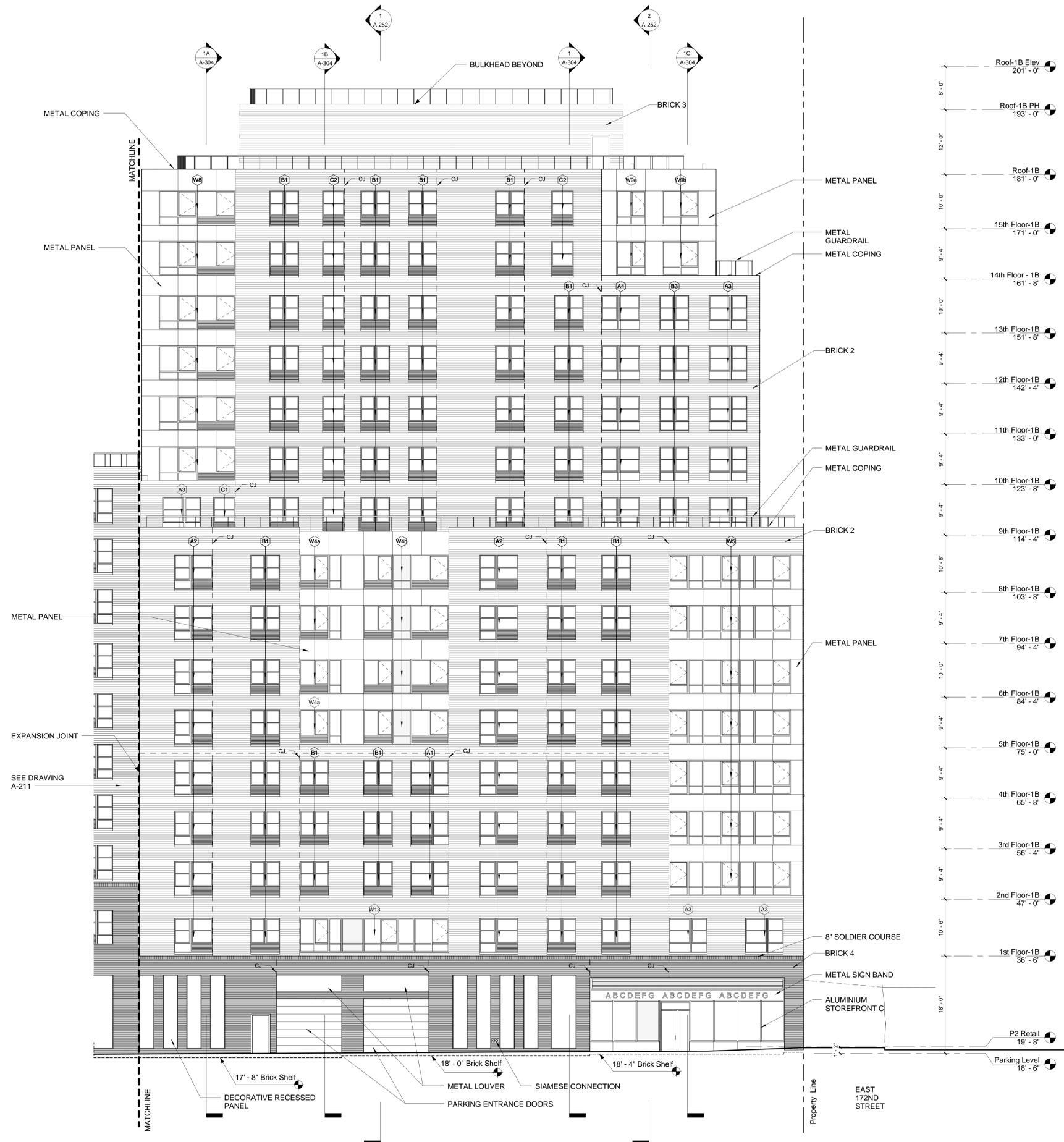
**11 Stair Bulkhead North Elevation TH**

1/8" = 1'-0"  
0 2 4 8 16 feet

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1 East Elevation at West Farm Road Building 1B  
 1/8" = 1'-0"  
 0 2 4 8 16 feet

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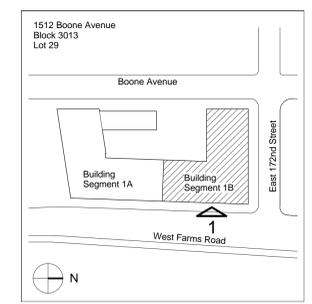
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### Revisions

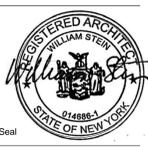
**DOB # 220210368-BX**



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### East Elevation Bldg 1B

Date	May 7, 2013
Scale	1/8" = 1'-0"
Drawn By	ZW / JP
Checked By	EV
Project No.	1130.00
Sheet No.	A-221.00





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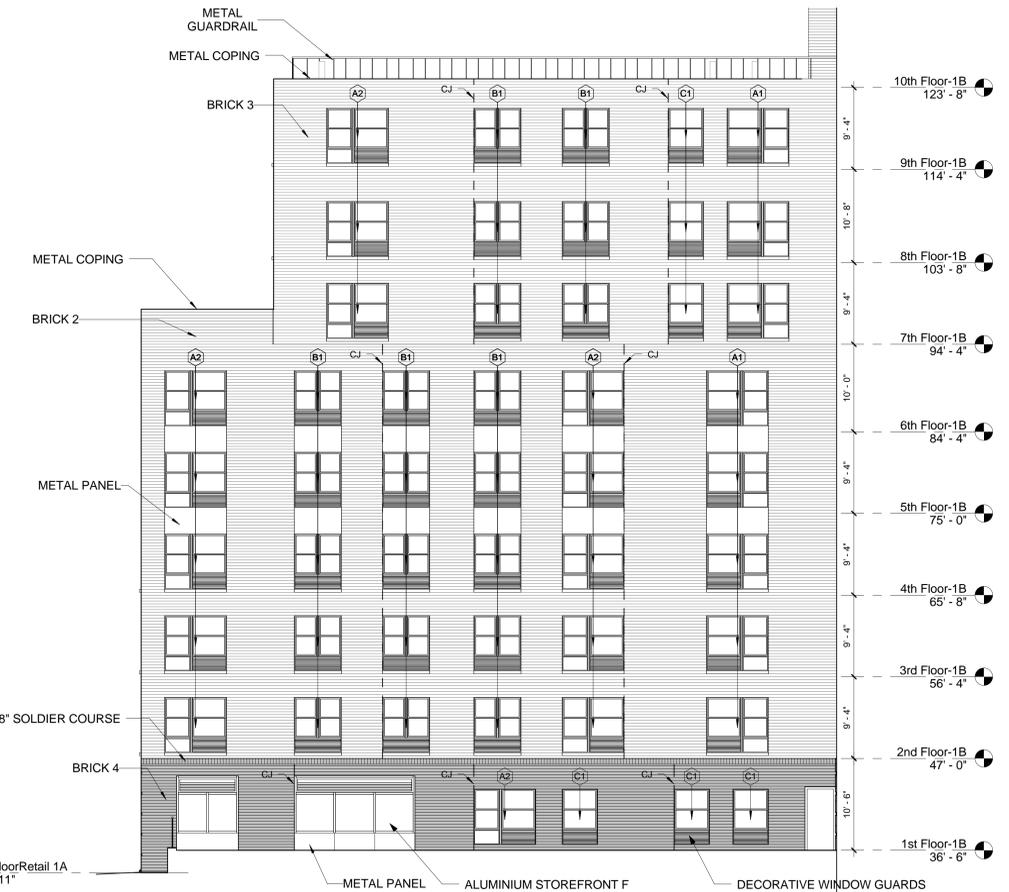
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- Roof-1B Elev 201' - 0"
- Roof-1B PH 193' - 0"
- Roof-1B 181' - 0"
- 15th Floor-1B 171' - 0"
- 14th Floor - 1B 161' - 8"
- 13th Floor-1B 151' - 8"
- 12th Floor-1B 142' - 4"
- 11th Floor-1B 133' - 0"
- 10th Floor-1B 123' - 8"
- 9th Floor-1B 114' - 4"
- 8th Floor-1B 103' - 8"
- 7th Floor-1B 94' - 4"
- 6th Floor-1B 84' - 4"
- 5th Floor-1B 75' - 0"
- 4th Floor-1B 65' - 8"
- 3rd Floor-1B 56' - 4"
- 2nd Floor-1B 47' - 0"
- 1st Floor-1B 36' - 6"



1 Courtyard Elevation East - Building 1B  
1/8" = 1'-0"  
0 2 4 8 16 feet

2 South Elevation Building 1B Upper Floors  
1/8" = 1'-0"  
0 2 4 8 16 feet



3 Courtyard Elevation North - Building 1B  
1/8" = 1'-0"  
0 2 4 8 16 feet

Revisions

**DOB # 220210368-BX**

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Lot 29

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Courtyard Elevations  
Building 1B

Date May 7, 2013  
Scale 1/8" = 1'-0"  
Drawn By ZW  
Checked By EV  
Project No. 1130.00  
Sheet No. A-223.00

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tel 914-948-8844  
fax 914-948-8958

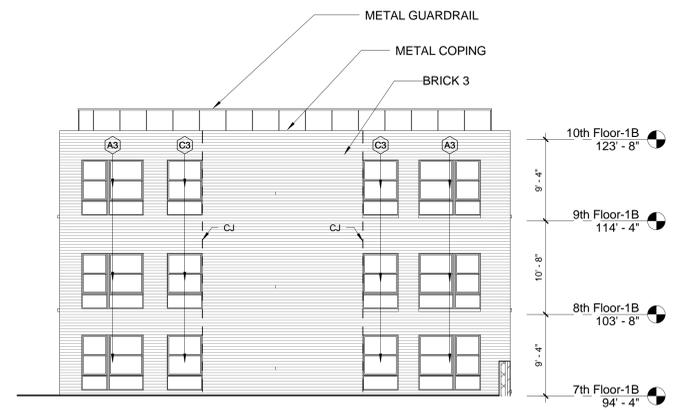
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fax 212-487-3273



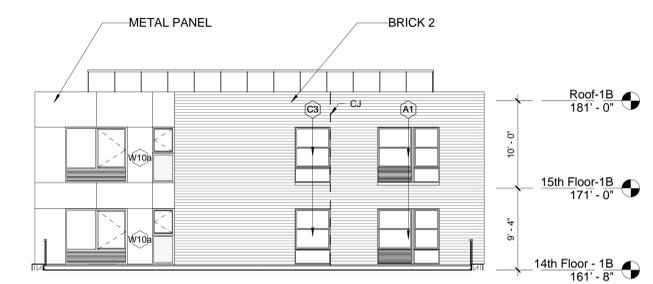
1 Upper North Elevation 1B (7th-9th Floor)

1/8" = 1'-0"  
0 2 4 8 16 feet



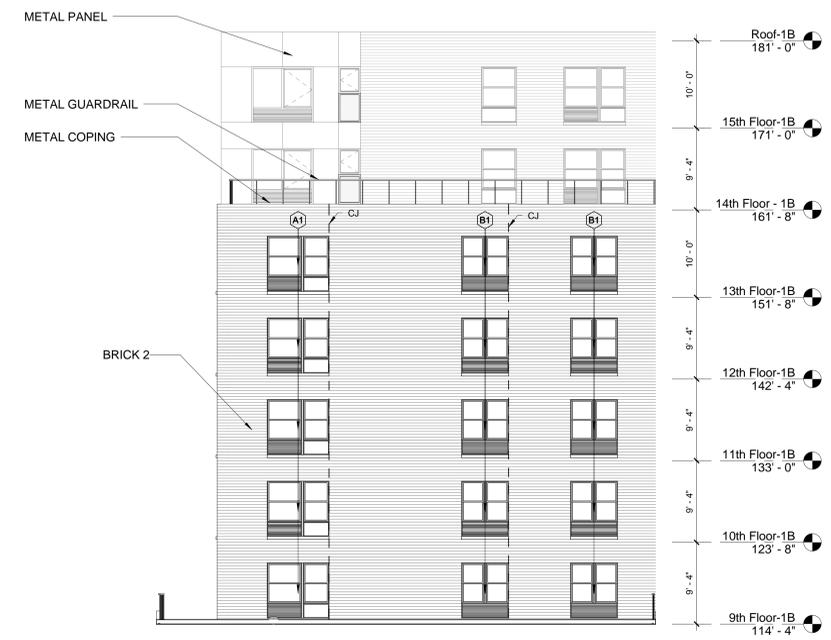
2 Upper West Elevation 1B (7th-9th Floor)

1/8" = 1'-0"  
0 2 4 8 16 feet



3 Upper North Elevation 1B (14th-15th Floor)

1/8" = 1'-0"  
0 2 4 8 16 feet



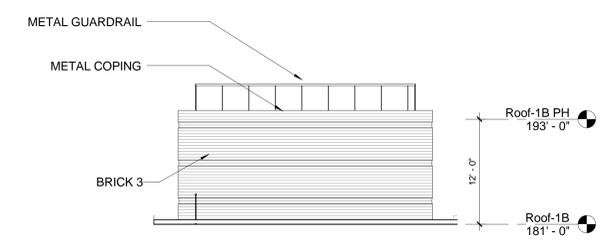
4 Upper North Elevation 1B (9th-13th Floor)

1/8" = 1'-0"  
0 2 4 8 16 feet



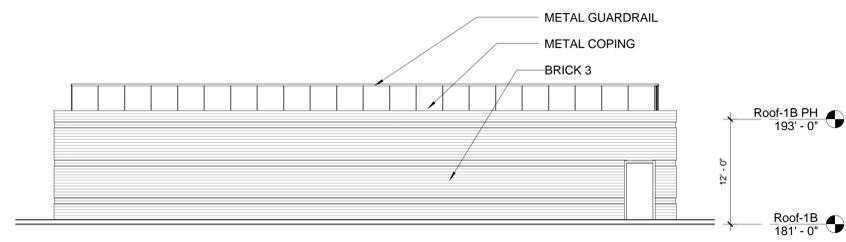
5 Upper East Elevation 1B (9th-15th Floor)

1/8" = 1'-0"  
0 2 4 8 16 feet



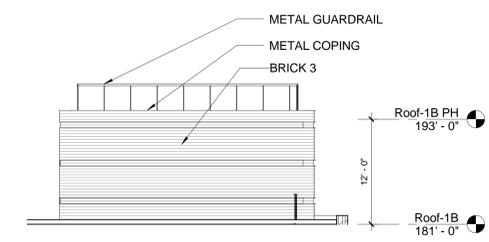
6 Bulkhead South Elevation 1B

1/8" = 1'-0"  
0 2 4 8 16 feet



7 Bulkhead East Elevation 1B

1/8" = 1'-0"  
0 2 4 8 16 feet

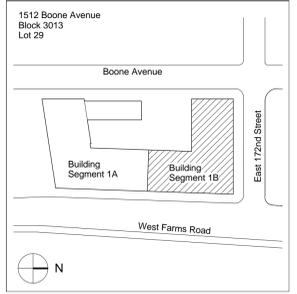


8 Bulkhead North Elevation 1B

1/8" = 1'-0"  
0 2 4 8 16 feet

Revisions

**DOB # 220210368-BX**



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**Exterior Elevations  
Building 1B**

Date May 7, 2013

Scale 1/8" = 1'-0"

Drawn By JP

Checked By EV

Project No. 1130.00

Sheet No.

**A-224.00**



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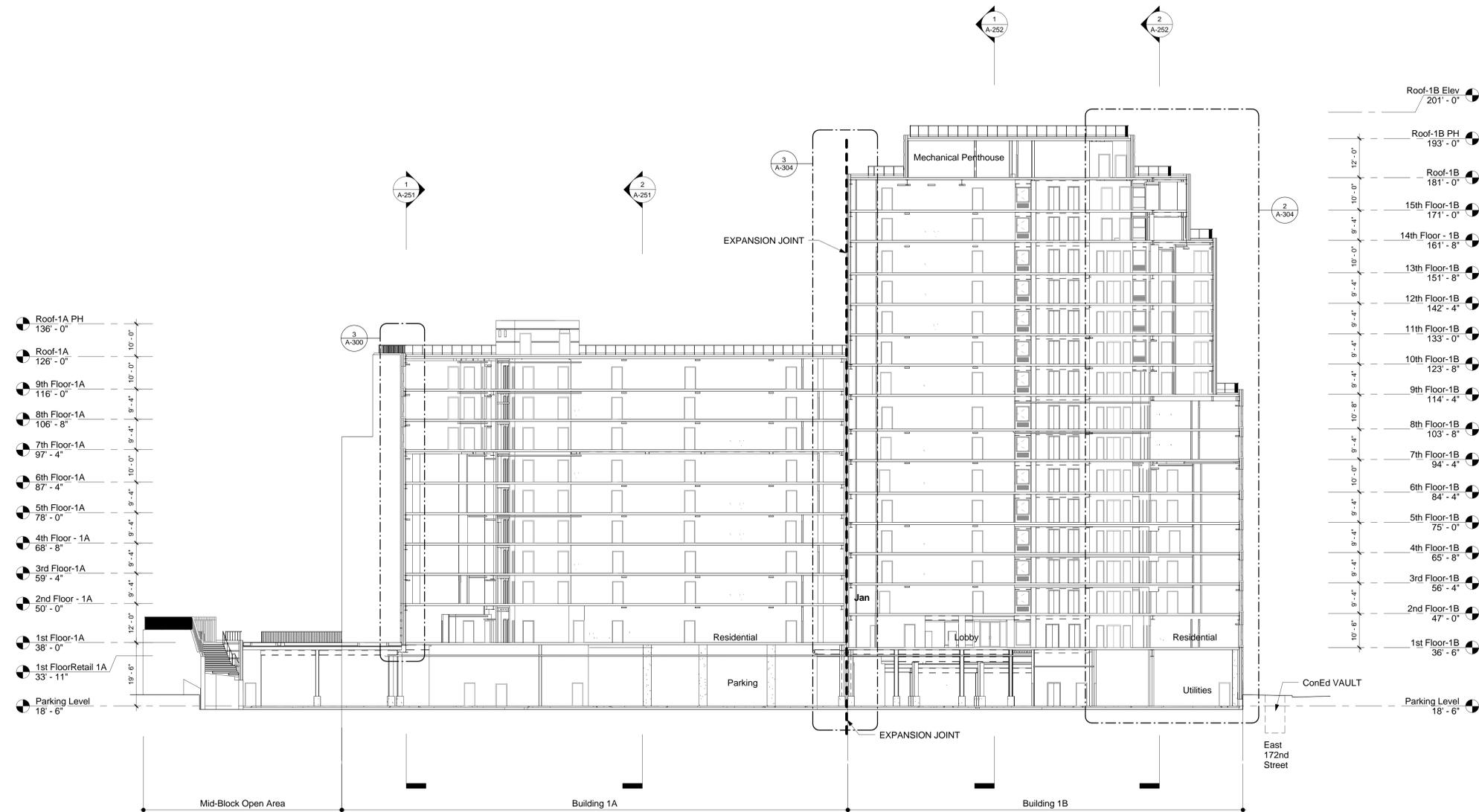
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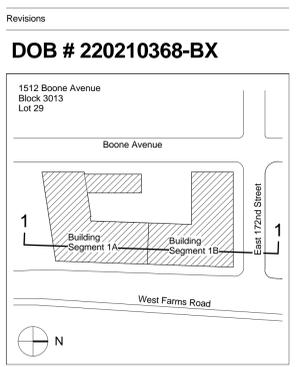
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Landscape Architect  
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fax 212-487-3273



**1 LONGITUDINAL BUILDING SECTION**  
1/16" = 1'-0"  
0 4 8 16 32 feet

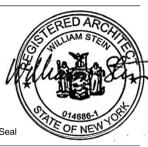
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## Building Section

Date	May 7, 2013
Scale	1/16" = 1'-0"
Drawn By	EV / PC
Checked By	WS
Project No.	1130.00
Sheet No.	A-250.00



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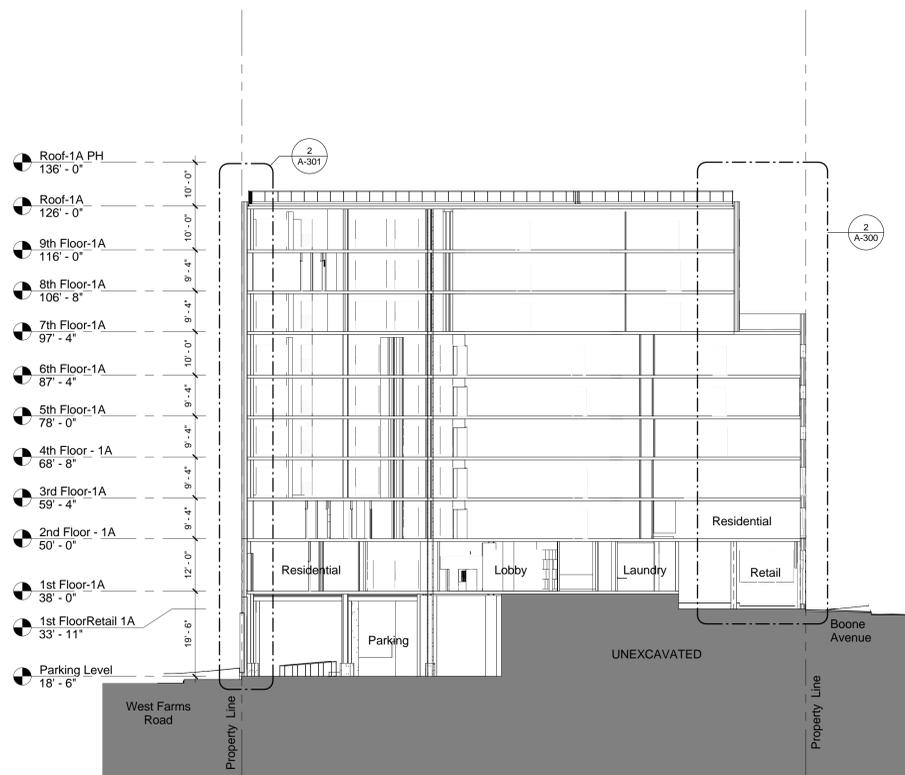
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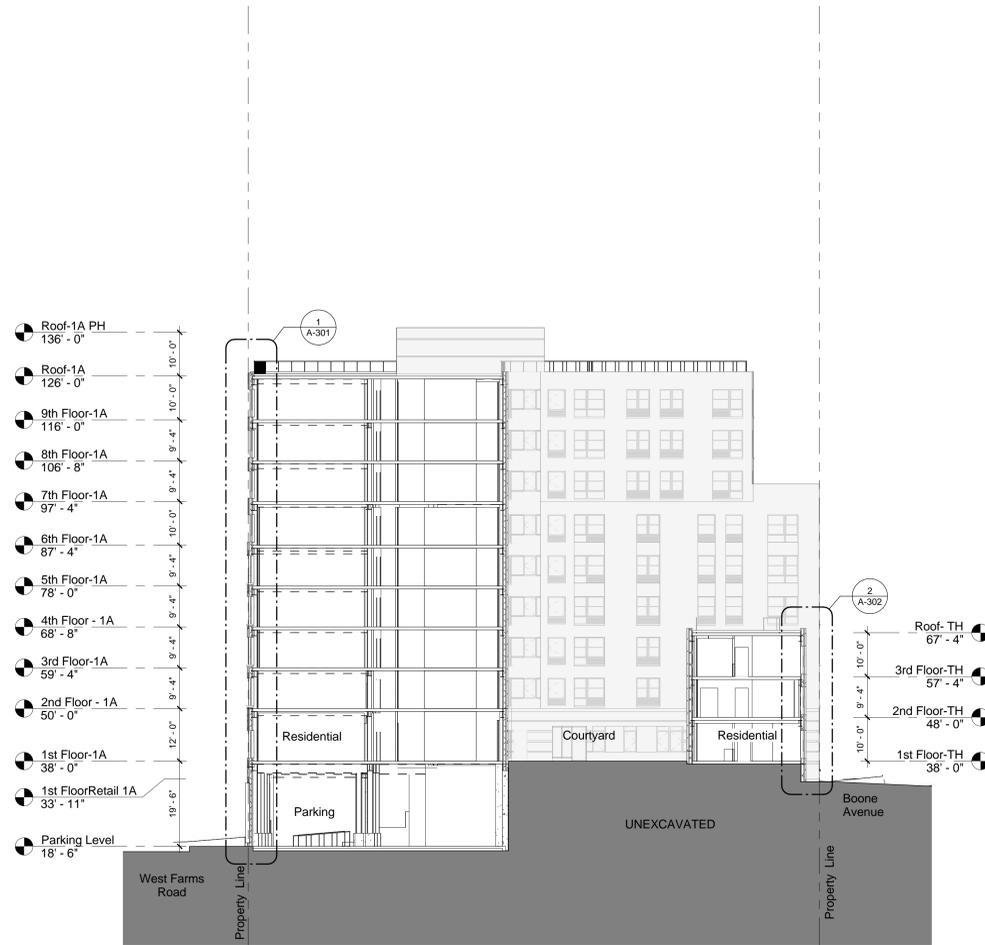
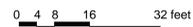
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**1 BLDG 1A- TRANSVERSE BUILDING SECTION**  
1/16" = 1'-0"

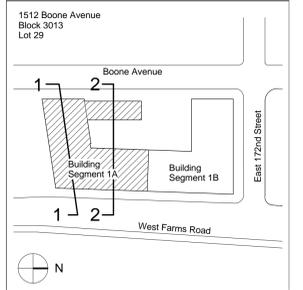


**2 BLDG 1A- TRANSVERSE BUILDING SECTION AT COURTYARD**  
1/16" = 1'-0"



Revisions

**DOB # 220210368-BX**



Key Plan  
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**Building Sections-1A**

Date May 7, 2013

Scale 1/16" = 1'-0"

Drawn By EV / PC

Checked By WS

Project No. 1130.00

Sheet No. **A-251.00**



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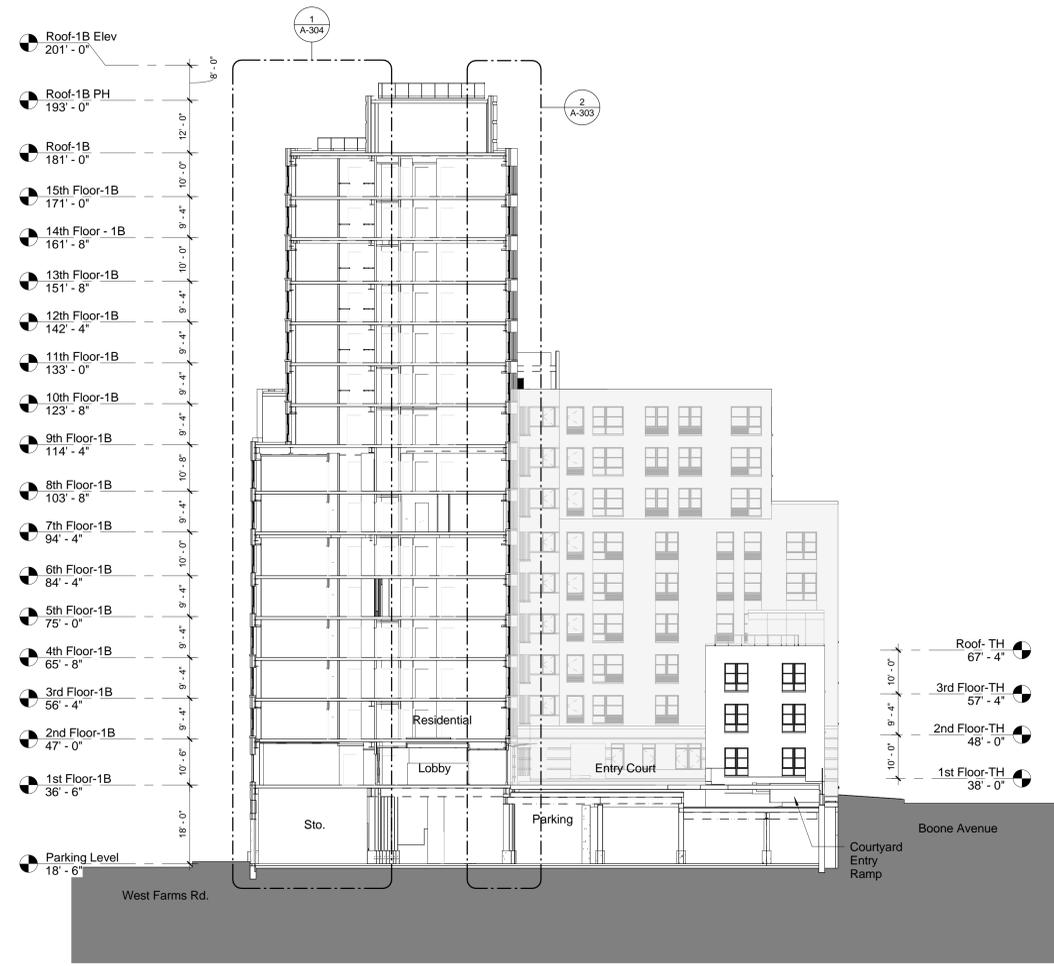
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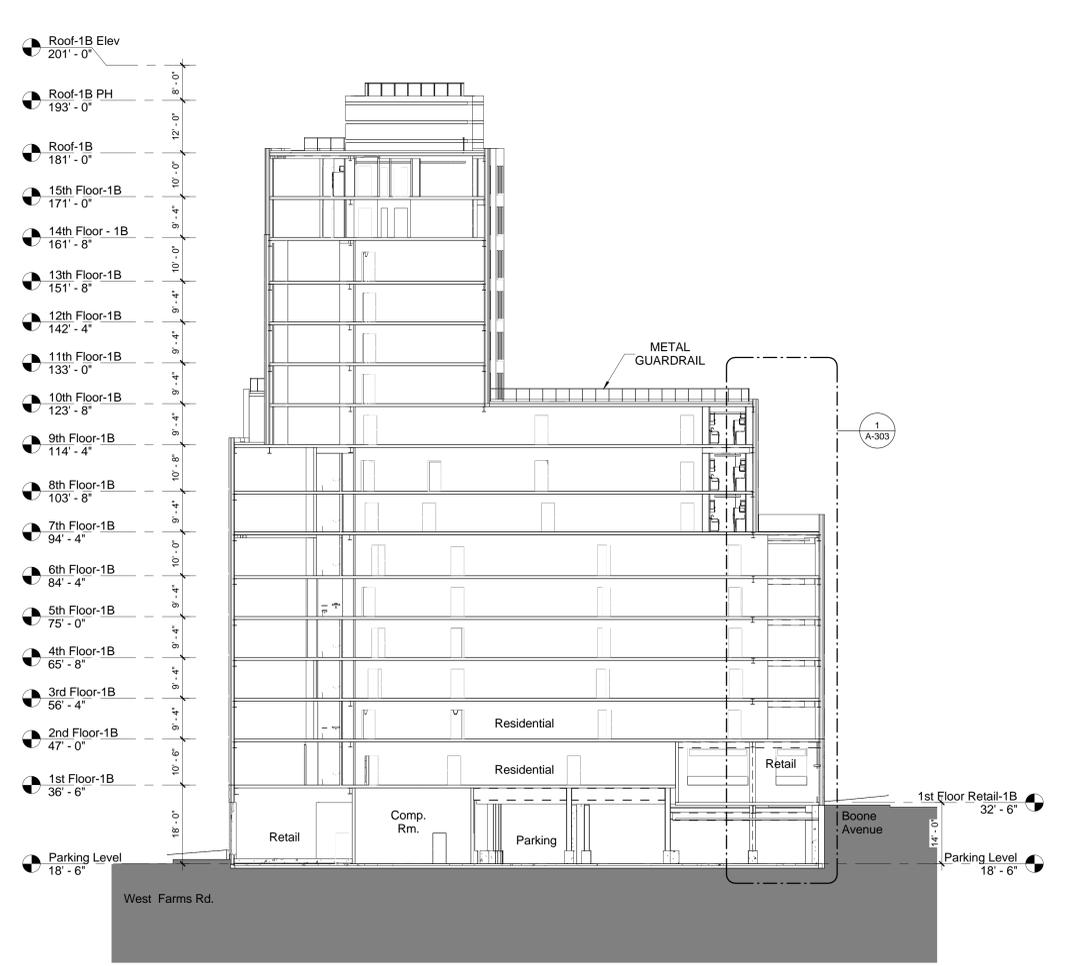
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**1** BLDG 1B-TRANSVERSE BUILDING SECTION AT COURTYARD  
1/16" = 1'-0"  
0 4 8 16 32 feet



**2** BLDG 1B- TRANSVERSE BUILDING SECTION  
1/16" = 1'-0"  
0 4 8 16 32 feet

Revisions

**DOB # 220210368-BX**

1512 Boone Avenue  
Block 3013  
Lot 29

Key Plan  
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**Building Sections-1B**

Date May 7, 2013  
Scale 1/16" = 1'-0"  
Drawn By EV / PC  
Checked By WS  
Project No. 1130.00 Seal  
Sheet No. **A-252.00**

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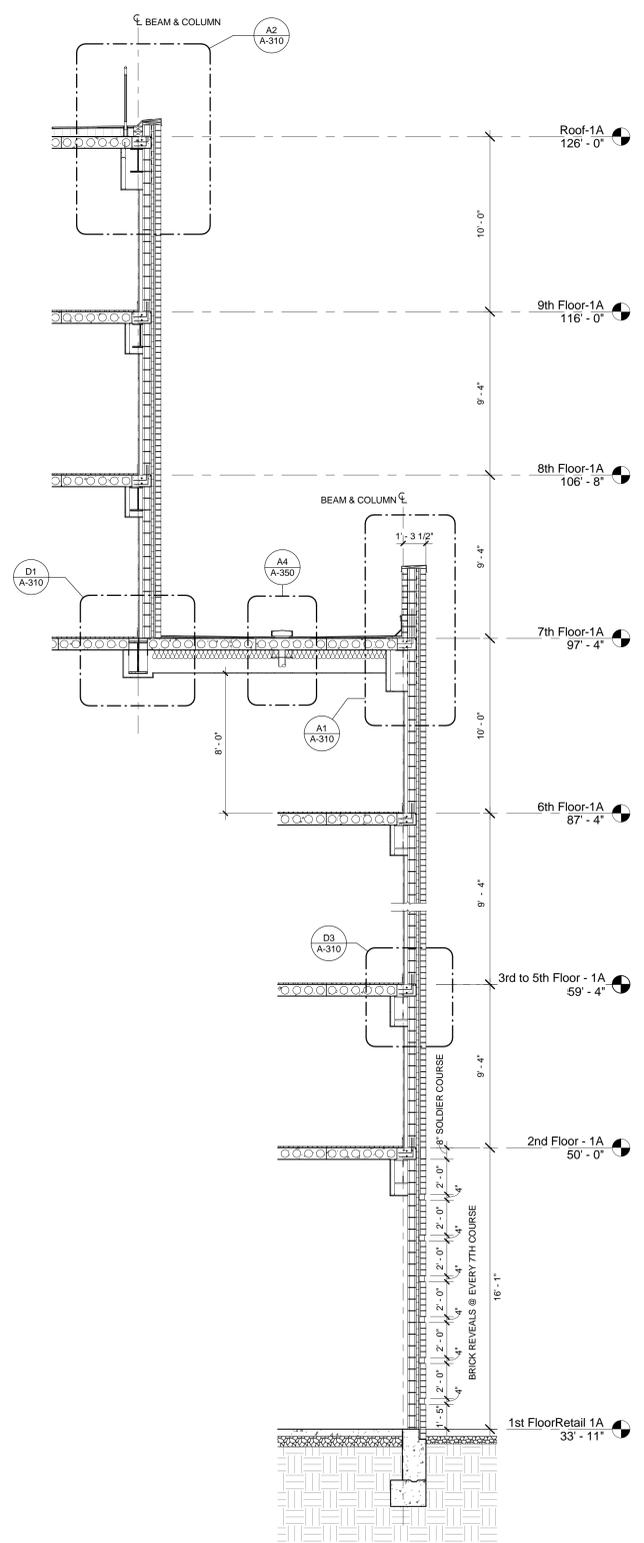
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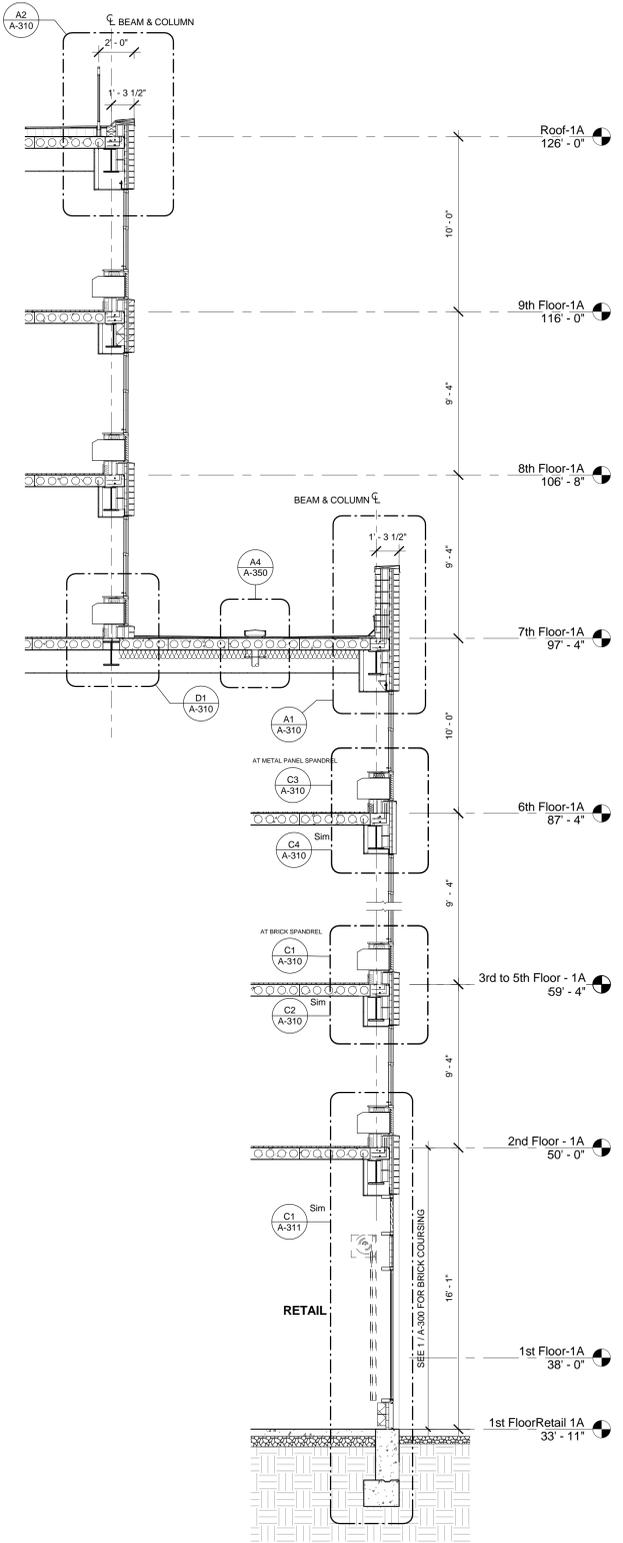
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**Abraham Joselow Consulting Engineers**  
45 West 34th Street, Suite 1101  
New York, NY 10001  
tel 212-736-2584  
fax 212-736-0241

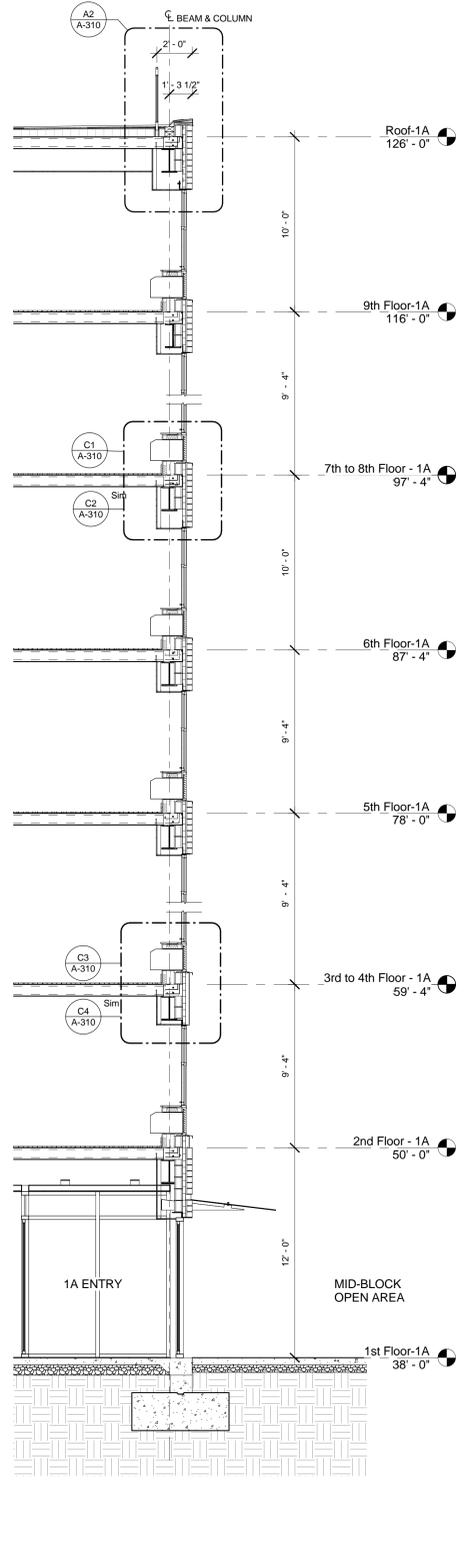
Landscape Architect  
**Starr Whitehouse Landscape Architects, LLC**  
80 Maiden Lane, Suite 1901  
New York, New York 10038  
tel 212-487-3272  
fax 212-487-3273



1 Wall Section @ West Facade - Typ. Brick Coursing  
1/4" = 1'-0"



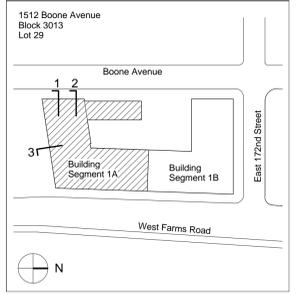
2 Wall Section @ West Facade  
1/4" = 1'-0"



3 Wall Section @ South Facade  
1/4" = 1'-0"

Revisions

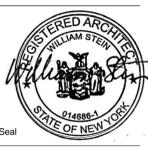
**DOB # 220210368-BX**



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**Wall Sections\_Building 1A**

Date	May 7, 2013
Scale	1/4" = 1'-0"
Drawn By	MC / JP
Checked By	EV
Project No.	1130.00
Sheet No.	A-300.00



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Brooklyn, NY 11231

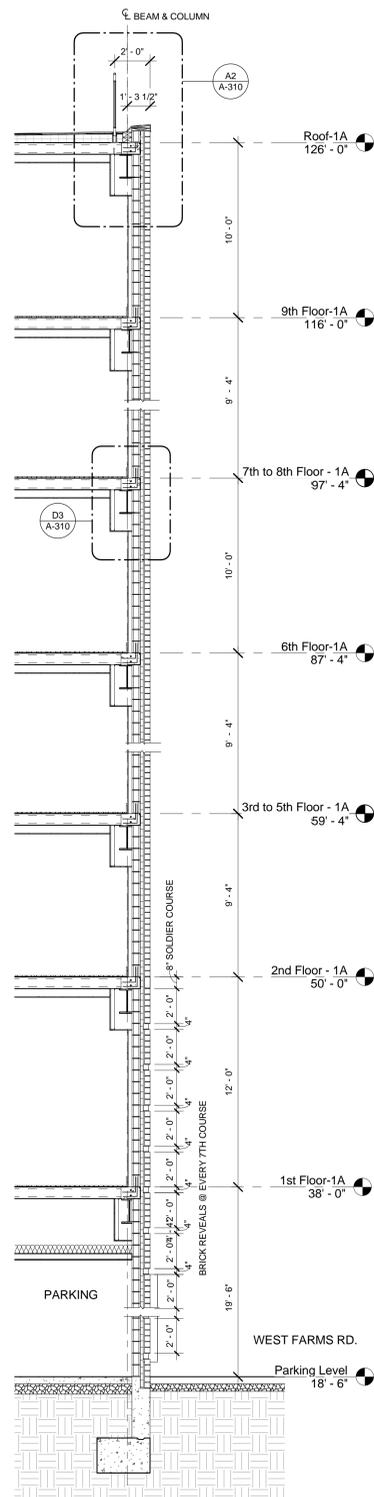
Industco Holdings, LLC  
853 Broadway, Suite 2014  
New York, New York 10003

DattnerArchitects 1385 Broadway, 15th Floor  
New York, NY 10018  
tel 212 247 2660  
info@dattner.com

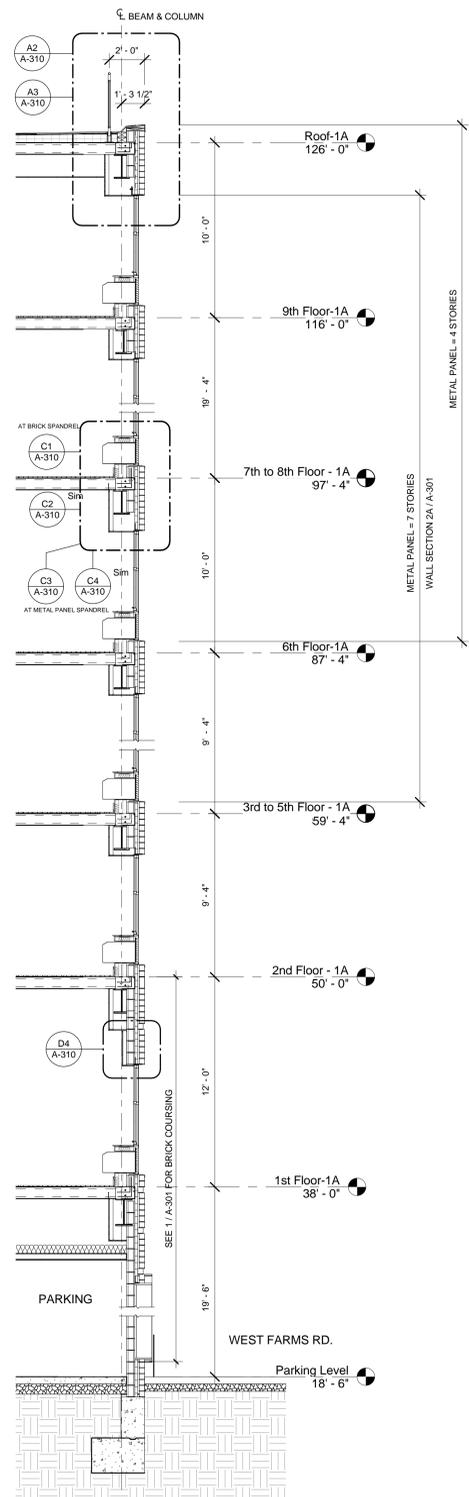
Structural Engineers  
**De Nardis Engineering, LLC**  
15 Reservoir Road  
White Plains, NY 10603-2516  
tel 914-948-8844  
fax 914-948-8868

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Landscape Architect  
**Starr Whitehouse Landscape Architects, LLC**  
80 Maiden Lane, Suite 1901  
New York, New York 10038  
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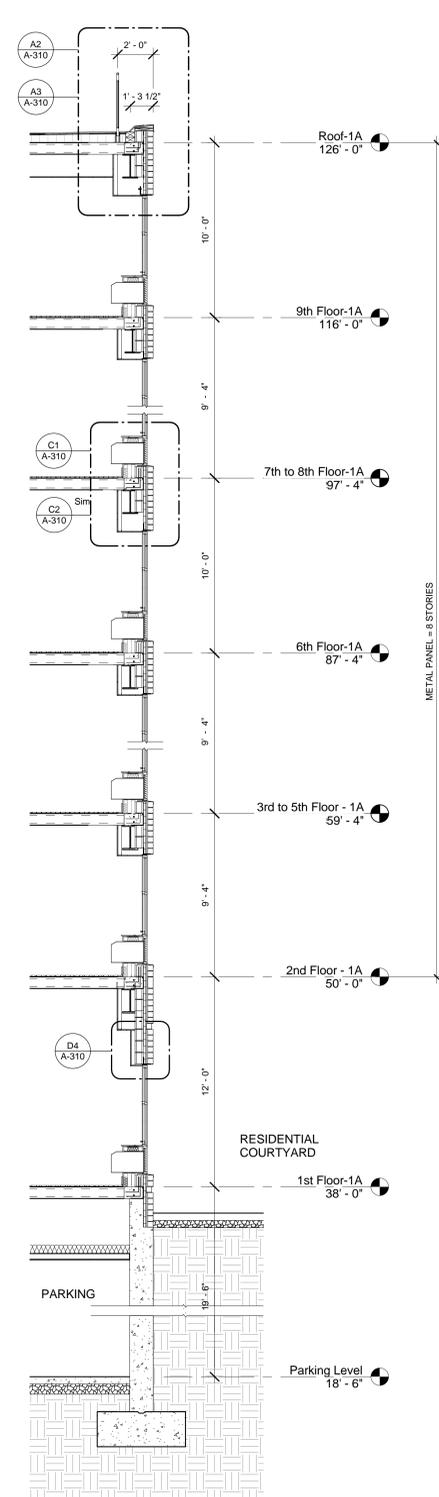
1 Wall Section @ East Facade - Typ. Brick Coursing  
1/4" = 1'-0"



2 Wall Section @ East Facade  
1/4" = 1'-0"

2A Wall Section @ Metal Panel East Facade

2B Wall Section @ Metal Panel East Facade

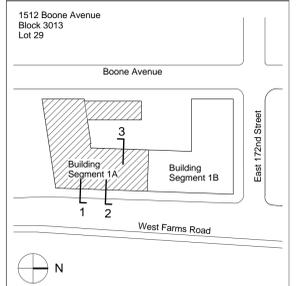


3 Wall Section @ Courtyard Facade  
1/4" = 1'-0"

3A Wall Section @ Metal Panel Courtyard Facade

Revisions

**DOB # 220210368-BX**



Key Plan  
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**Wall Sections\_Building 1A**

Date May 7, 2013

Scale 1/4" = 1'-0"

Drawn By Author

Checked By Checker

Project No. 1130.00 Seal

Sheet No.

**A-301.00**



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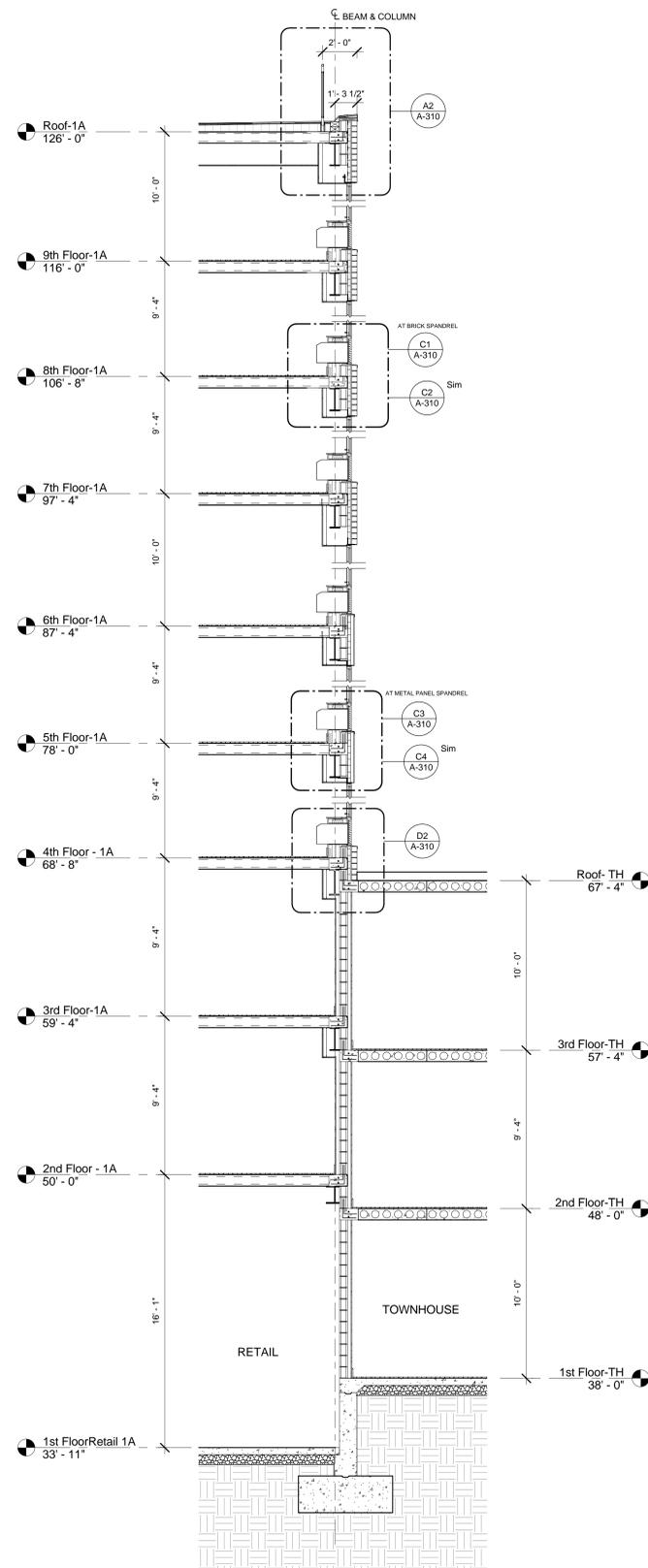
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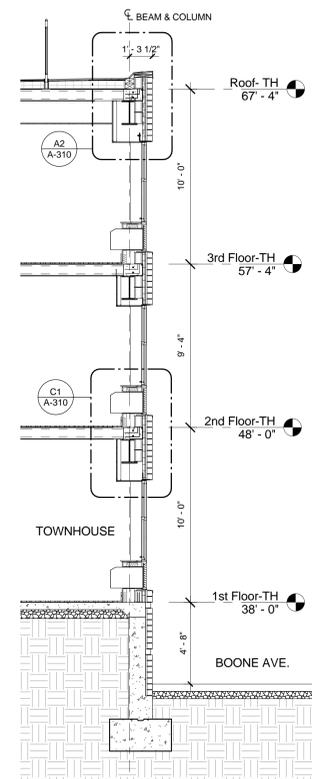
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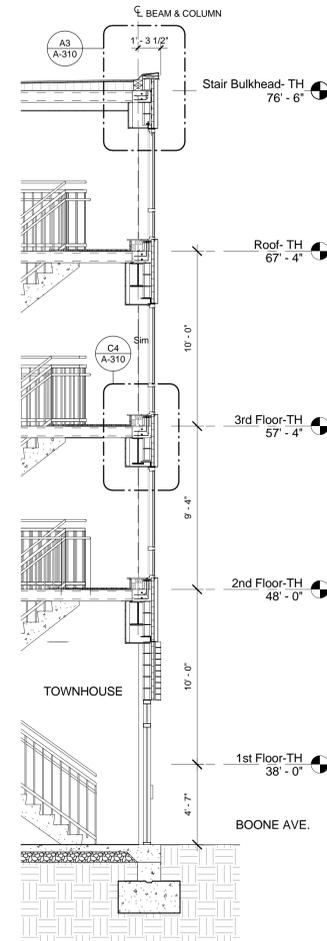
Landscape Architect  
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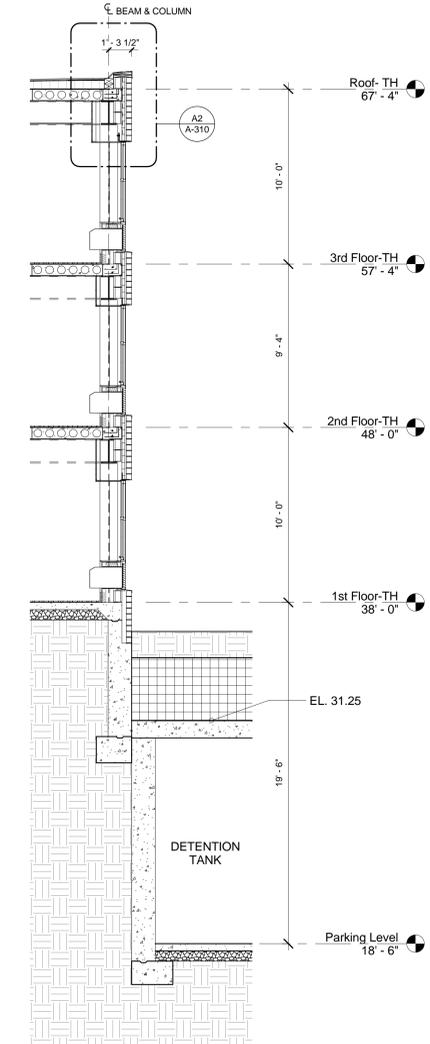
1 Wall Section @ Building 1A & Townhouse (T.H.)  
1/4" = 1'-0"



2 Wall Section @ West Facade\_T.H.  
1/4" = 1'-0"



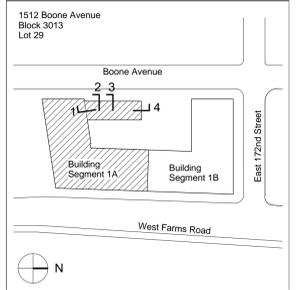
3 Wall Section @ West Facade\_T.H. Stair Bulkhead  
1/4" = 1'-0"



4 North Courtyard Wall Section\_T.H.  
1/4" = 1'-0"

Revisions

**DOB # 220210368-BX**



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**Wall Sections\_Building 1A**

Date May 7, 2013

Scale 1/4" = 1'-0"

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Sheet No.

**A-302.00**





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info@dattner.com

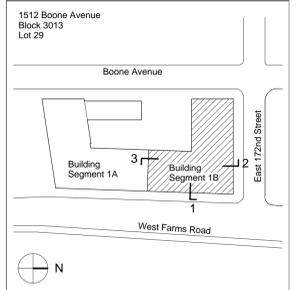
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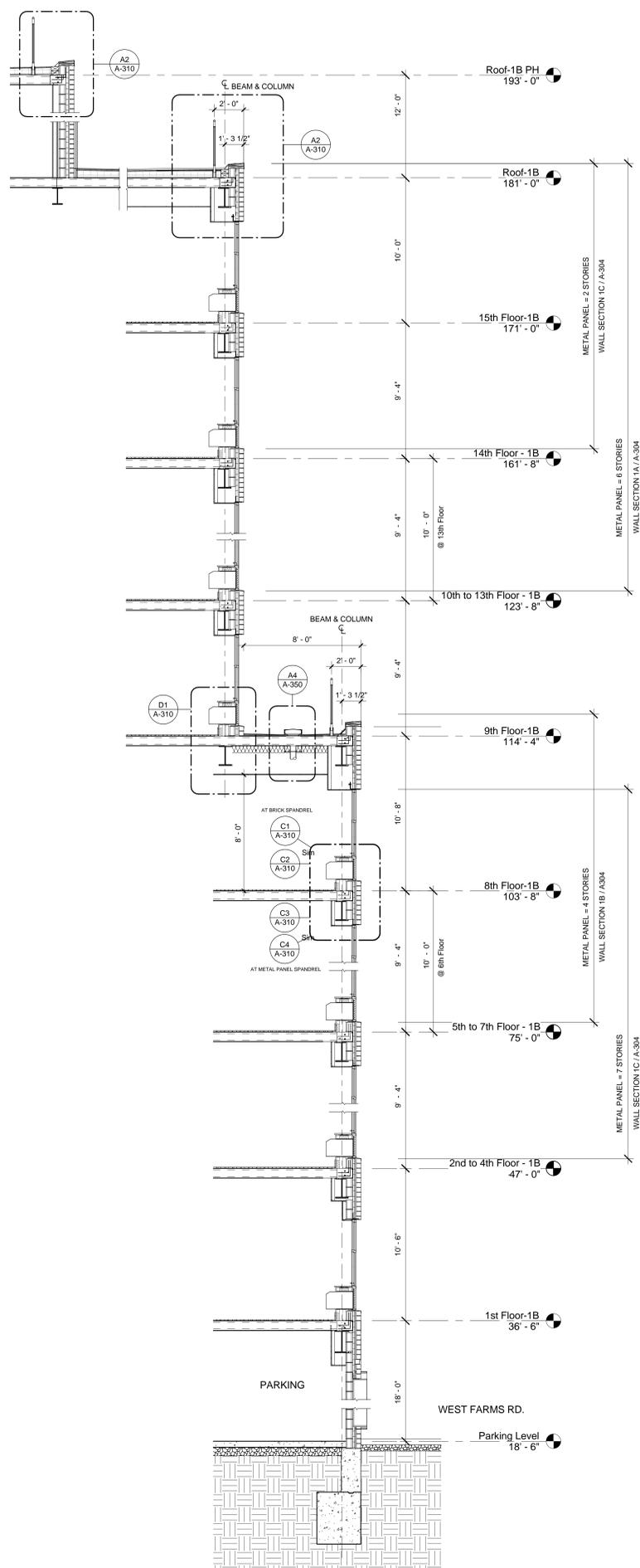
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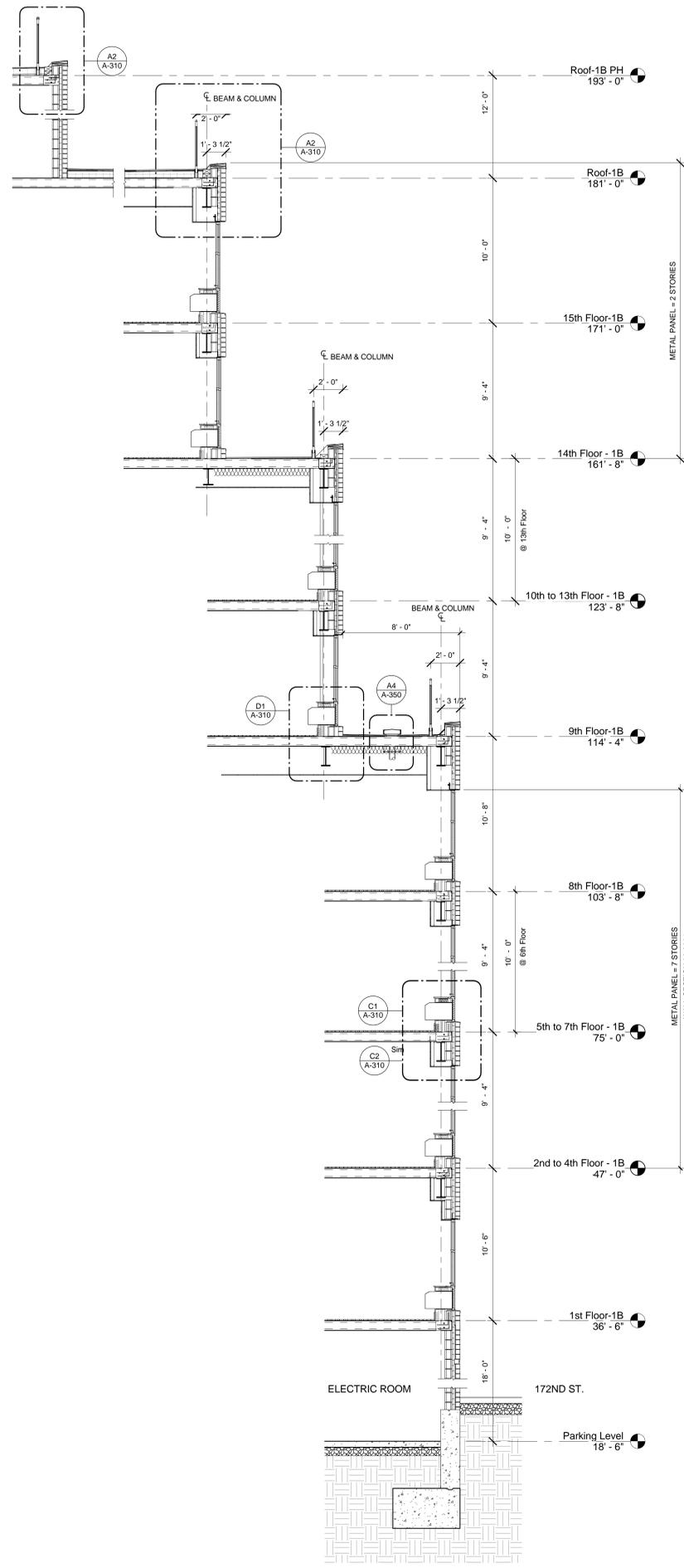
Key Plan  
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Wall Sections\_Building 1B

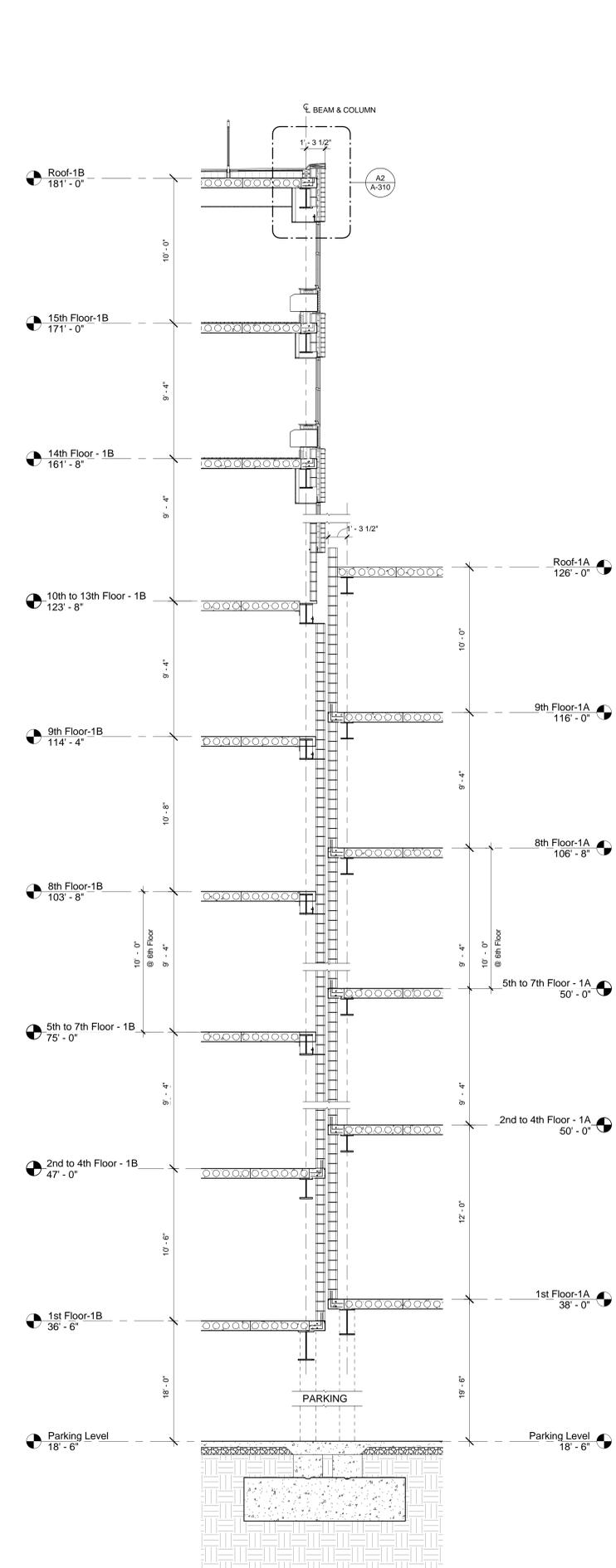
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Scale: 1/4" = 1'-0"  
Drawn By: Author  
Checked By: Checker  
Project No.: 1130.00  
Sheet No.: A-304.00



1 Wall Section @ East Facade  
1/4" = 1'-0"  
1a 1b 1c Wall Section @ Metal Panel East Facade



2 Wall Section @ North Facade  
1/4" = 1'-0"  
2b Wall Section @ Metal Panel North Facade



3 Wall Section @ 1A & 1B  
1/4" = 1'-0"

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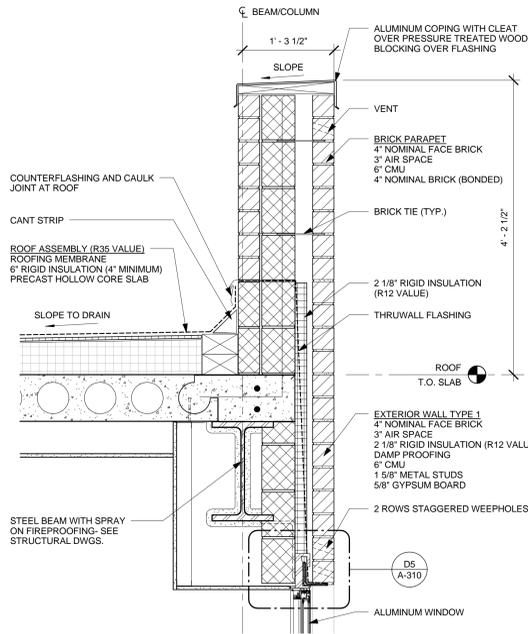
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info@dattner.com

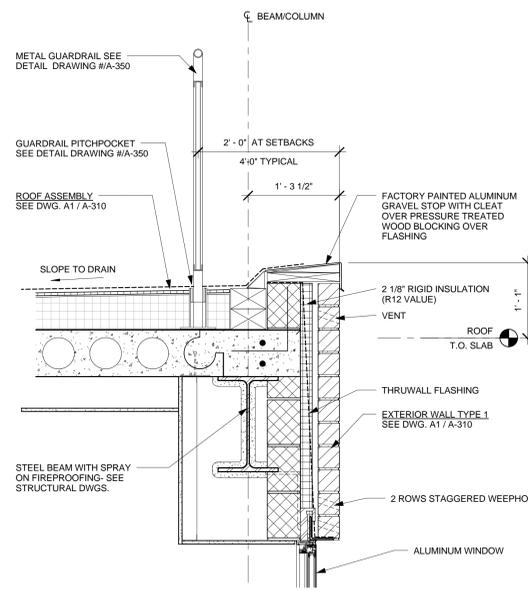
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**Abraham Joselow Consulting Engineers**  
45 West 34th Street, Suite 1101  
New York, NY 10001  
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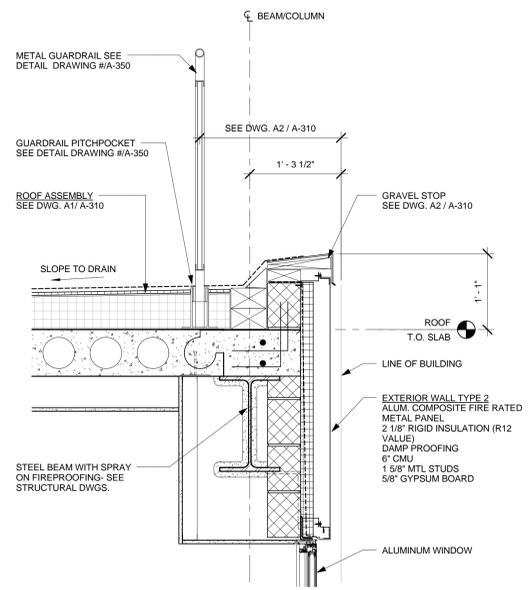
Landscape Architect  
**Starr Whitehouse Landscape Architects, LLC**  
80 Maiden Lane, Suite 1901  
New York, New York 10038  
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fax 212-487-3273



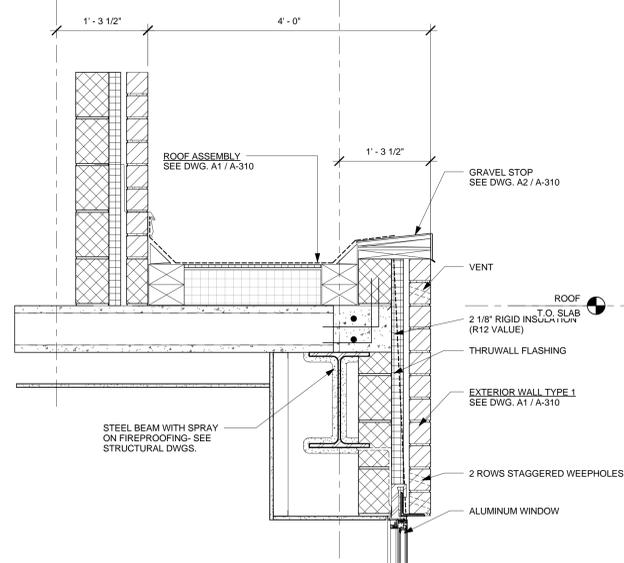
**A1** Section at Brick Parapet  
1" = 1'-0"



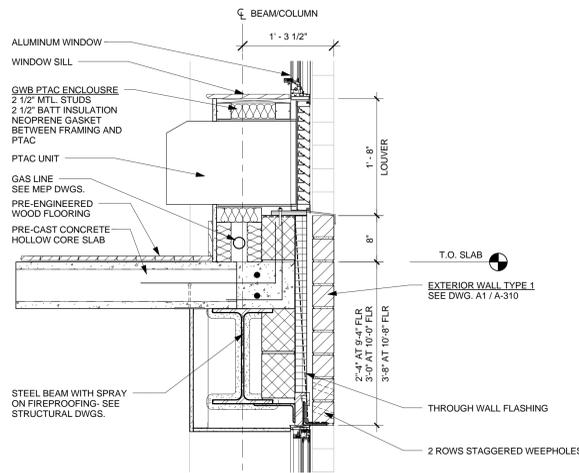
**A2** Section at Gravel Stop at Brick  
1" = 1'-0"



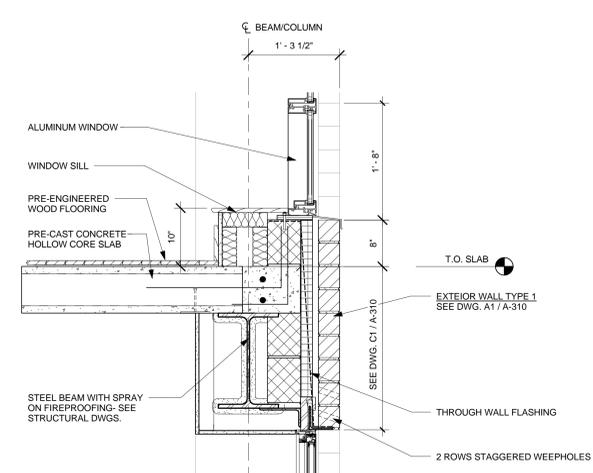
**A3** Section at Gravel Stop at Metal Panel  
1" = 1'-0"



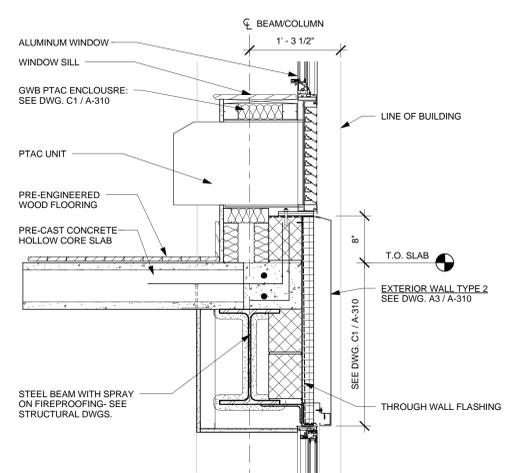
**A4** Section at Gravel Stop at Brick at Bldg 1B  
1" = 1'-0"



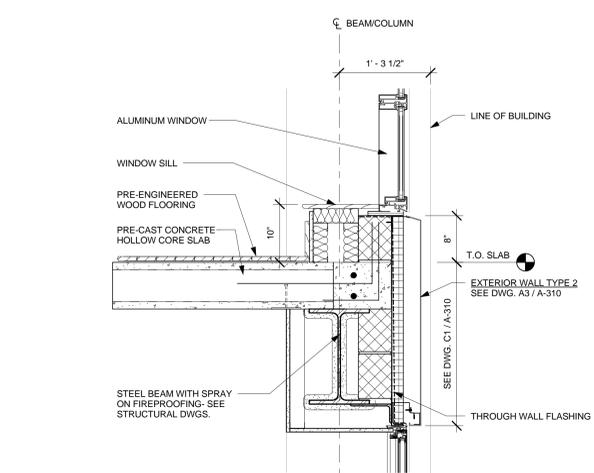
**C1** Section at Brick Spandrel  
1" = 1'-0"



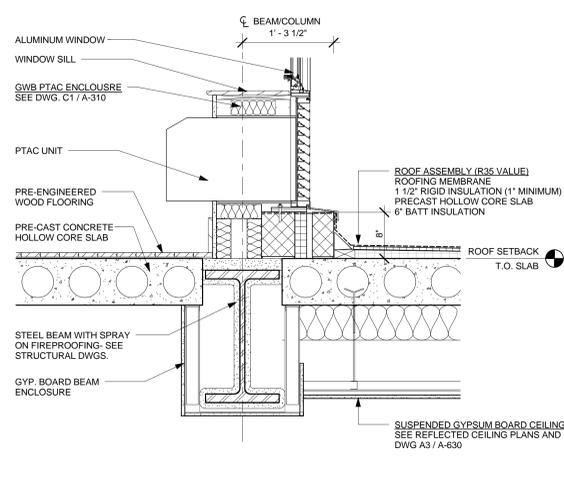
**C2** Section at Brick Spandrel - Low Window  
1" = 1'-0"



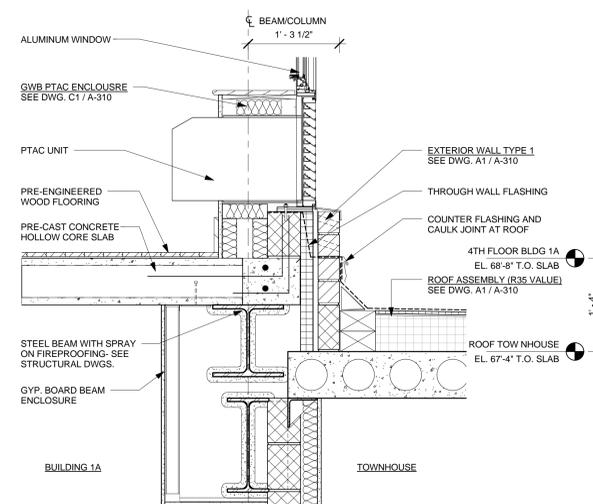
**C3** Section at Metal Spandrel  
1" = 1'-0"



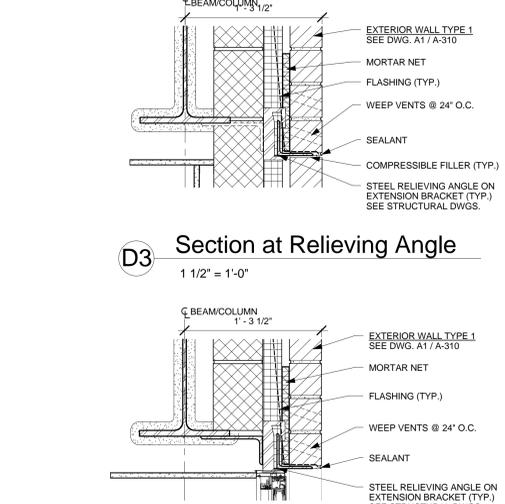
**C4** Section at Metal Spandrel - Low Window  
1" = 1'-0"



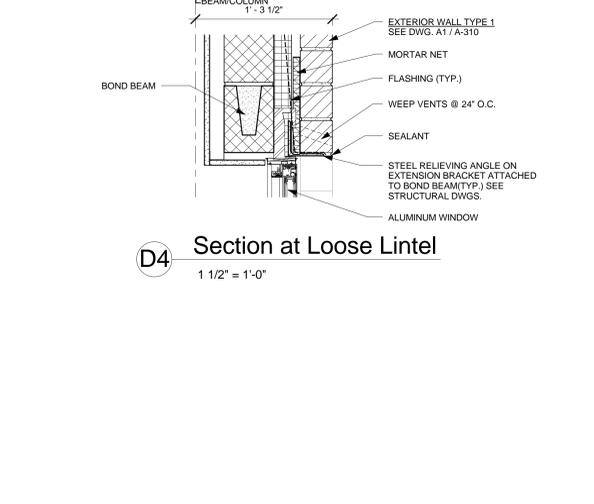
**D1** Section at Roof Setback  
1" = 1'-0"



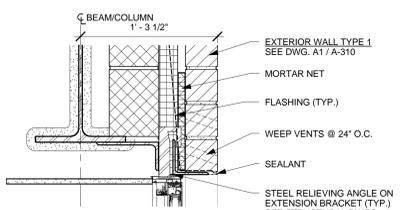
**D2** Section at Roof - Town House  
1" = 1'-0"



**D3** Section at Relieving Angle  
1 1/2" = 1'-0"



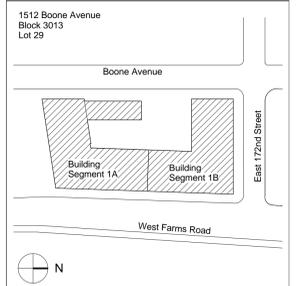
**D4** Section at Loose Lintel  
1 1/2" = 1'-0"



**D5** Section at Relieving Angle at Window  
1 1/2" = 1'-0"

Revisions

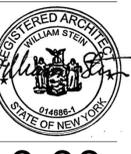
**DOB # 220210368-BX**



Key Plan  
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**Wall Section Details**

Date: May 7, 2013  
Scale: As indicated  
Drawn By: JP / EV  
Checked By: EV  
Project No.: 1130.00  
Sheet No.: A-310.00



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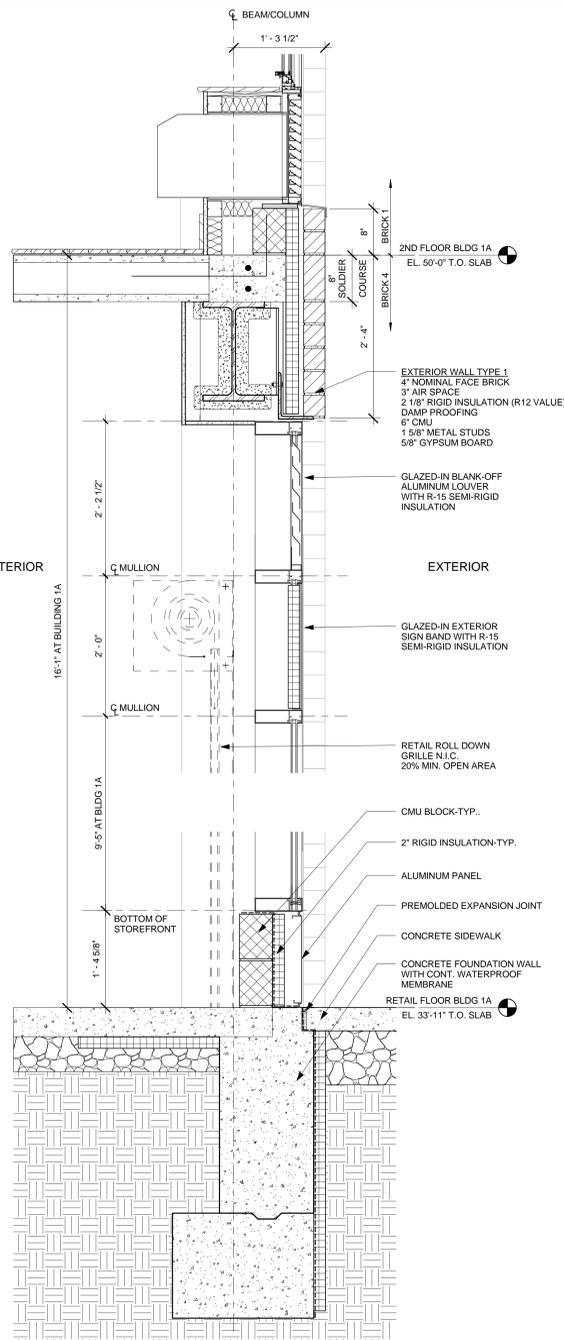
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DattnerArchitects 1385 Broadway, 15th Floor  
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tel 212 247 2660  
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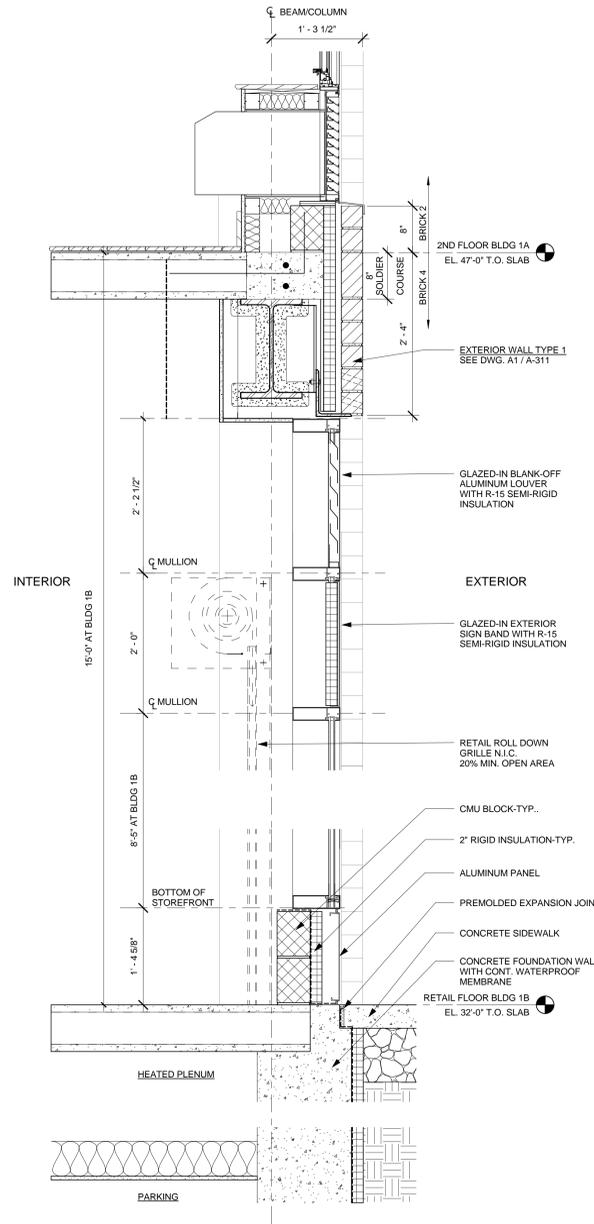
Structural Engineers  
**De Nardis Engineering, LLC**  
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White Plains, NY 10603-2516  
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45 West 34th Street, Suite 1101  
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fax 212-736-0241

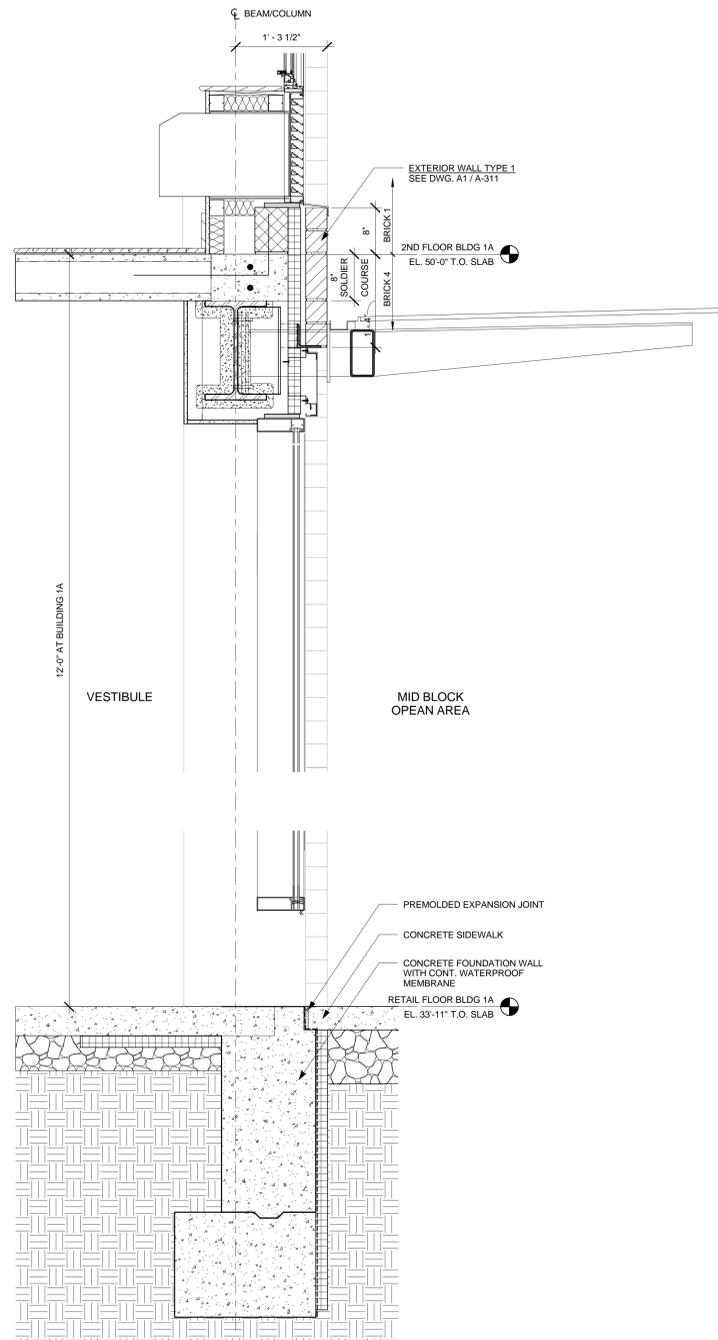
Landscape Architect  
**Starr Whitehouse Landscape Architects, LLC**  
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New York, New York 10038  
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fax 212-487-3273



**C1** Section- Storefront- Bldg 1A  
1" = 1'-0"



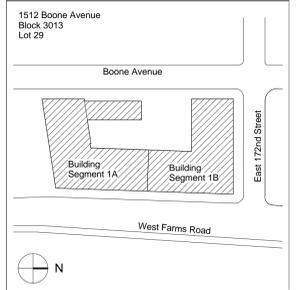
**C2** Section- Storefront- Bldg 1B  
1" = 1'-0"



**1** Section- Entry Storefront- Bldg 1A  
1" = 1'-0"

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**Wall Section Details**

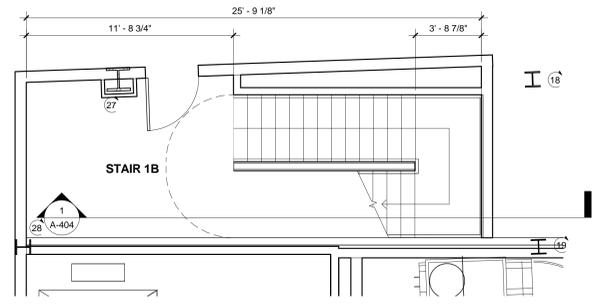
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Sheet No.: A-311.00



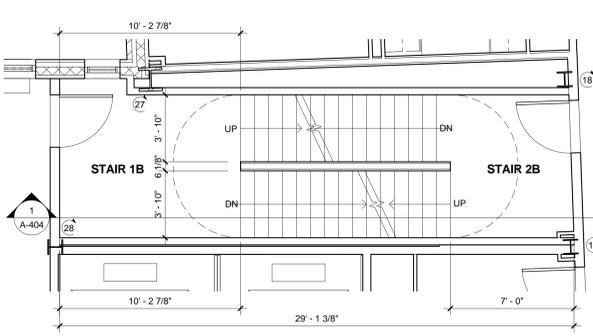
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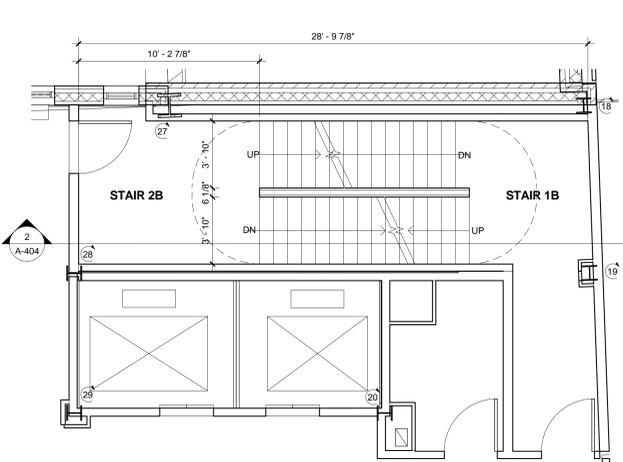




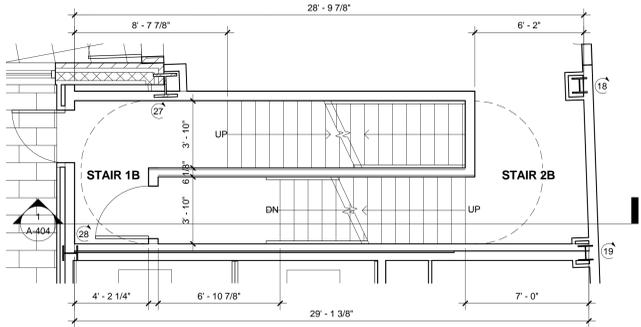
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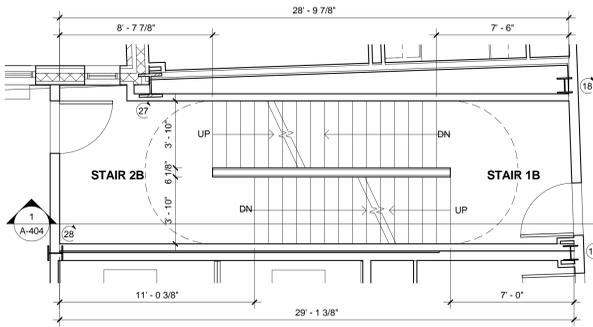
6 7th Floor Plan - Stairs 1B and 2B  
1/4" = 1'-0"



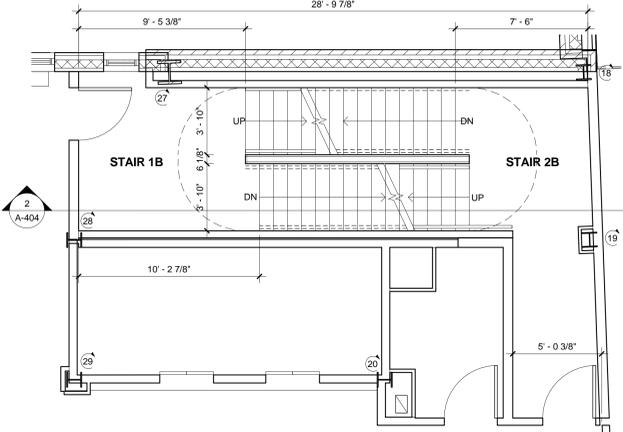
11 14th Floor Plan - Stairs 1B and 2B  
1/4" = 1'-0"



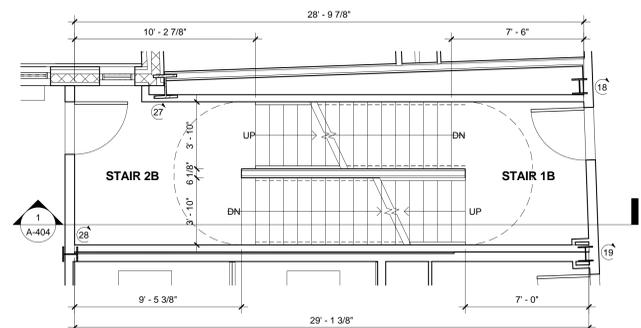
2 1st Floor Plan - Stairs 1B and 2B  
1/4" = 1'-0"



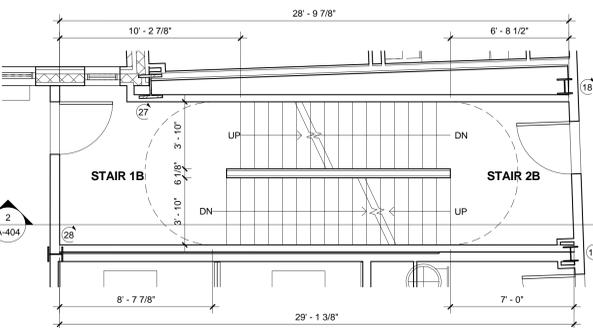
7 8th Floor Plan - Stairs 1B and 2B  
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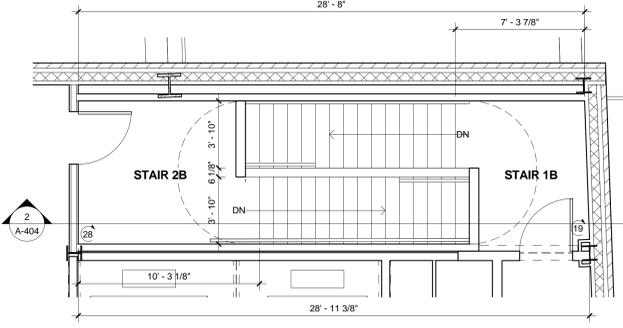
12 15th Floor Plan - Stairs 1B and 2B  
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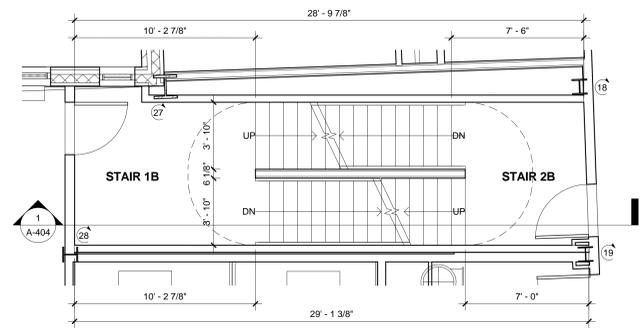
3 2nd Floor Plan - Stairs 1B and 2B  
1/4" = 1'-0"



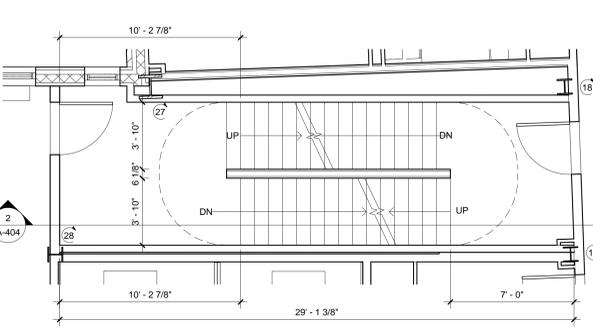
8 9th Floor Plan - Stairs 1B and 2B  
1/4" = 1'-0"



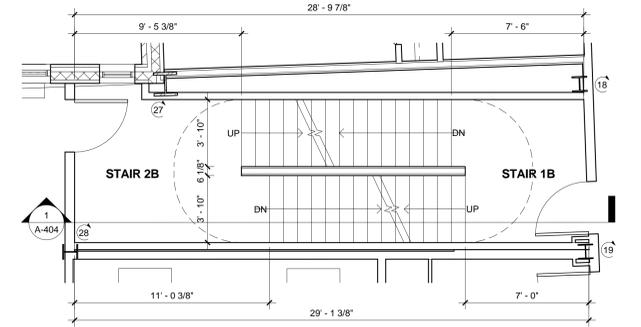
13 Roof Floor Plan - Stairs 1B and 2B  
1/4" = 1'-0"



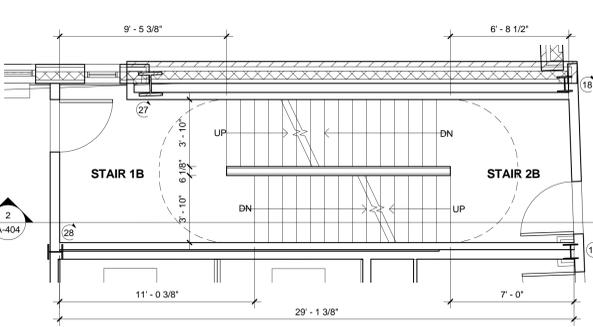
4 3rd Floor Plan - Stairs 1B and 2B  
1/4" = 1'-0"



9 10th-12th Floor Plan - Stairs 1B and 2B  
1/4" = 1'-0"



5 6th Floor Plan - Stairs 1B and 2B  
1/4" = 1'-0"



10 13th Floor Plan - Stairs 1B and 2B  
1/4" = 1'-0"

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Revisions  
**DOB # 220210368-BX**



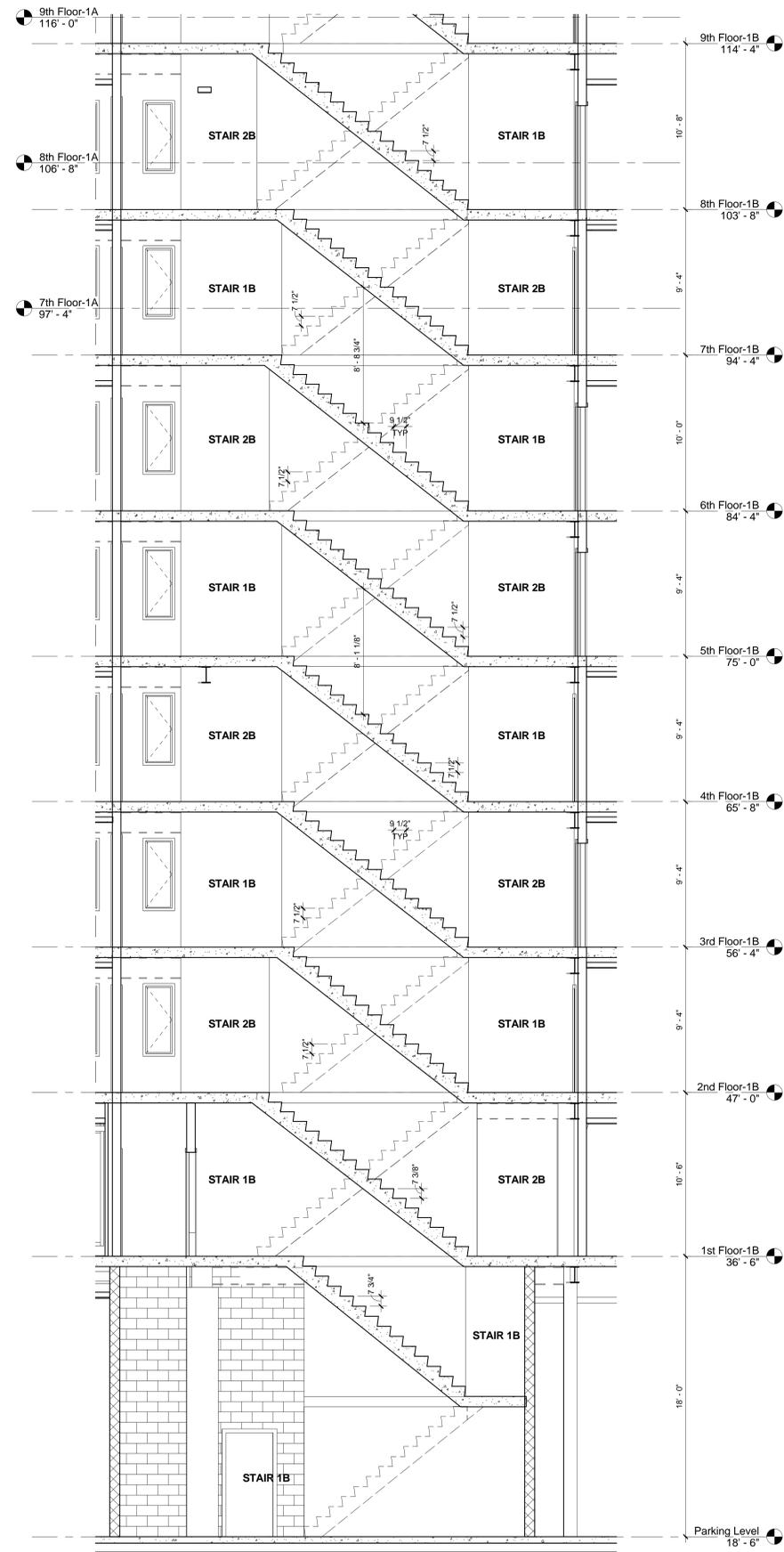
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**Stairs 1B & 2B Plans**

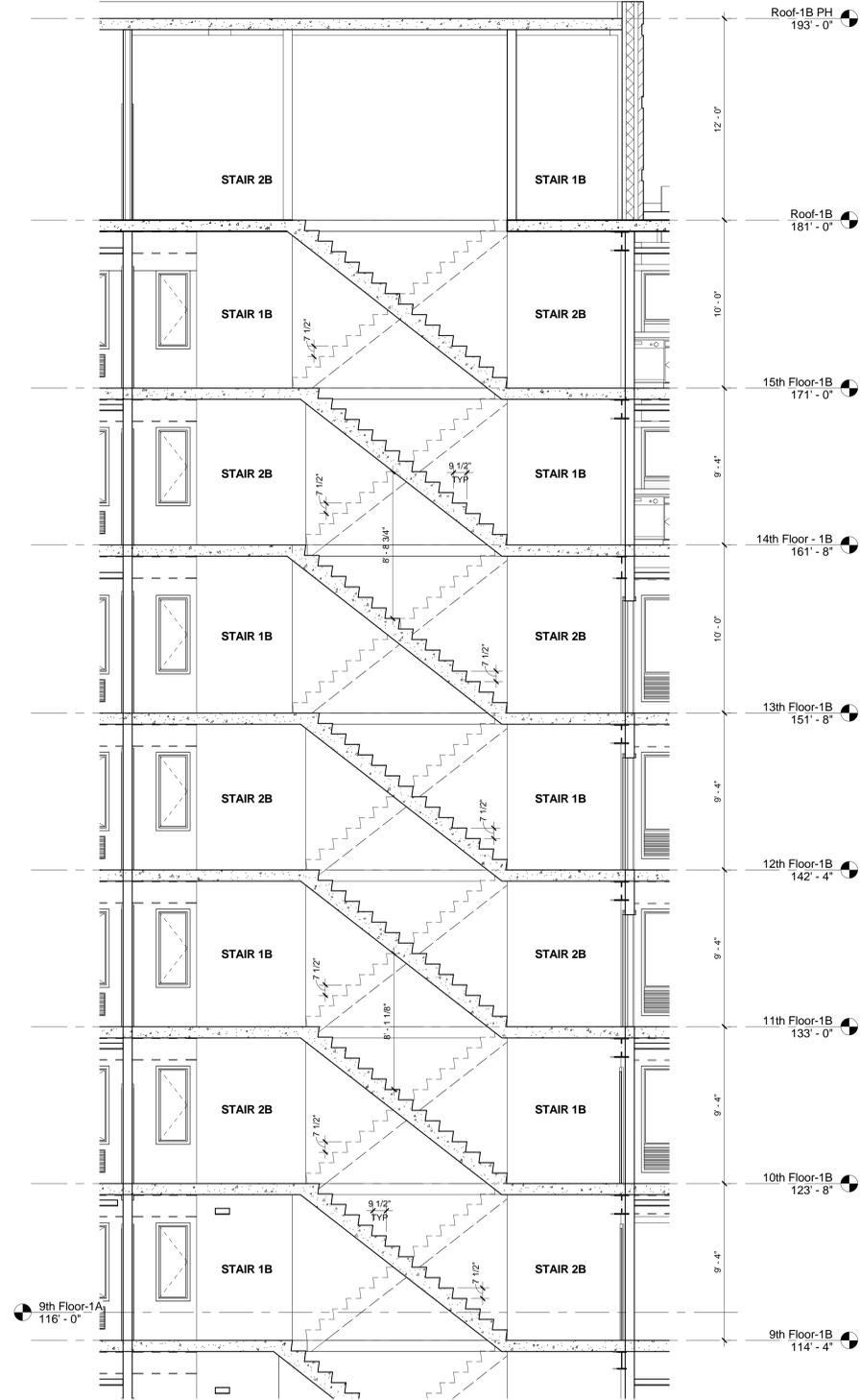
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1 Section at Stair 1B / 2B  
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2 Section at Stair 1B / 2B (continued)  
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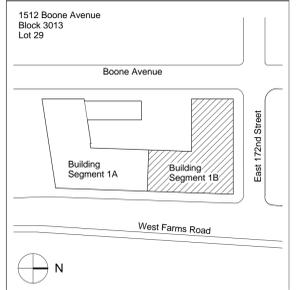
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**Stairs 1B & 2B Sections**

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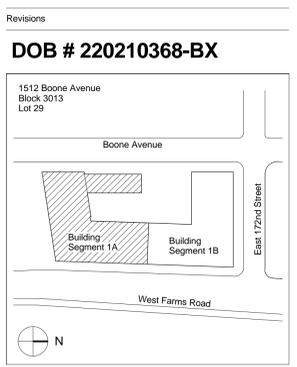
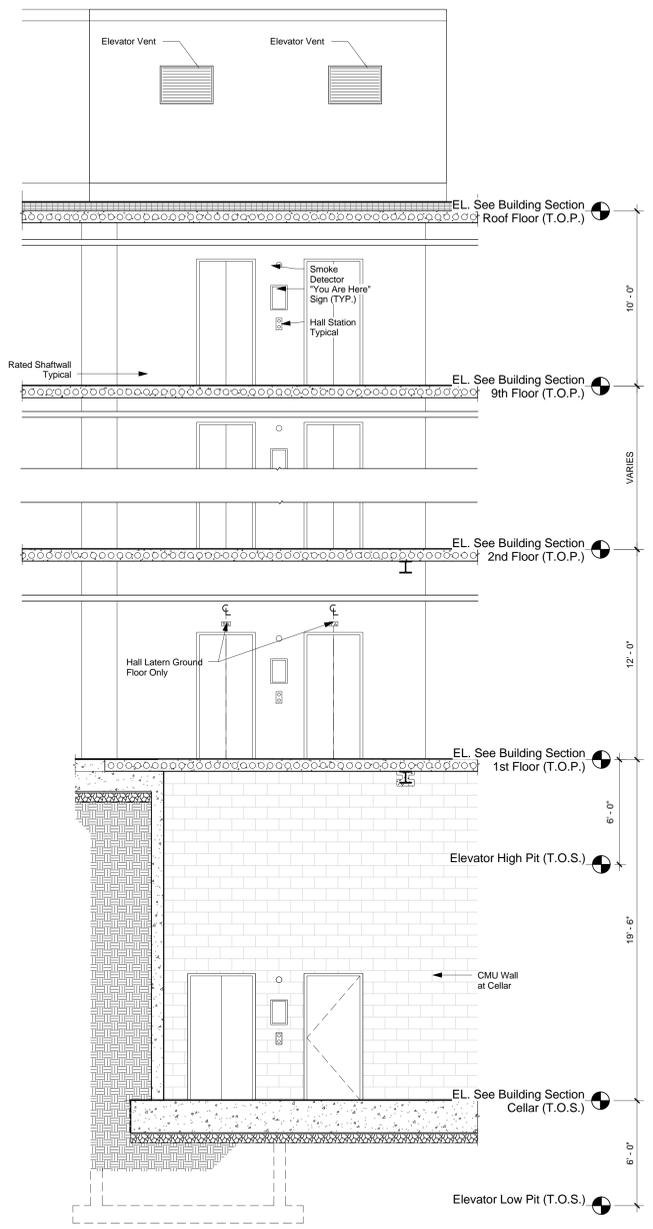
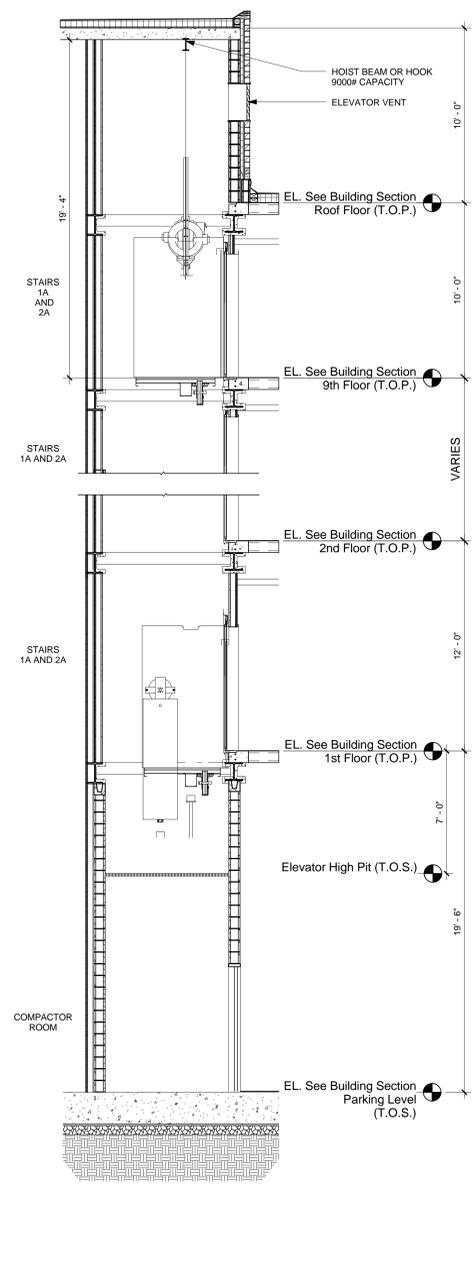
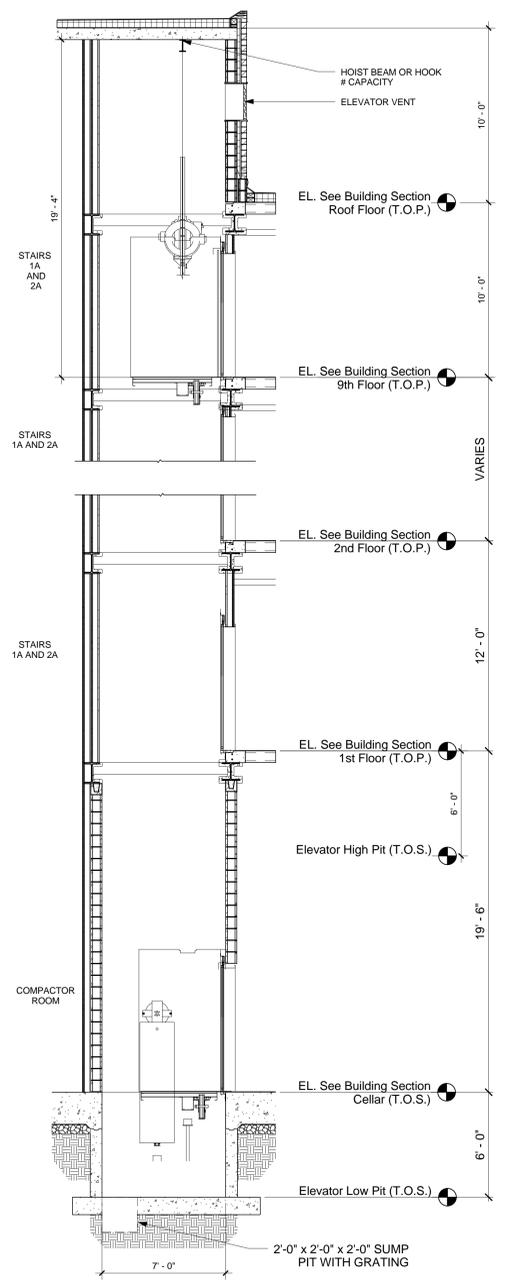
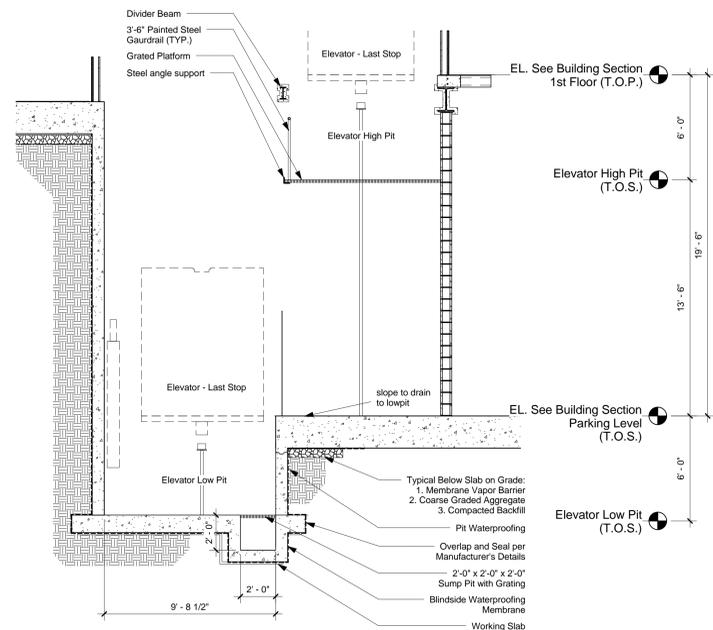
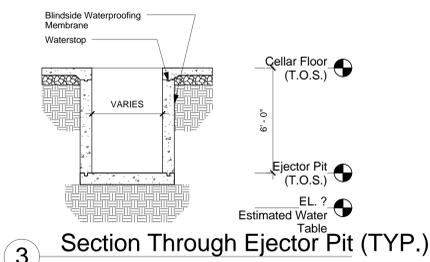
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**Elevator Sections - Building 1A**

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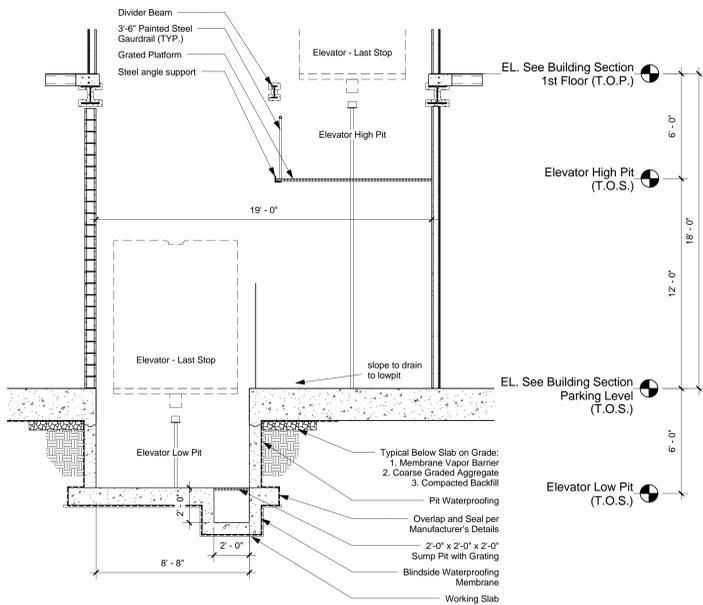
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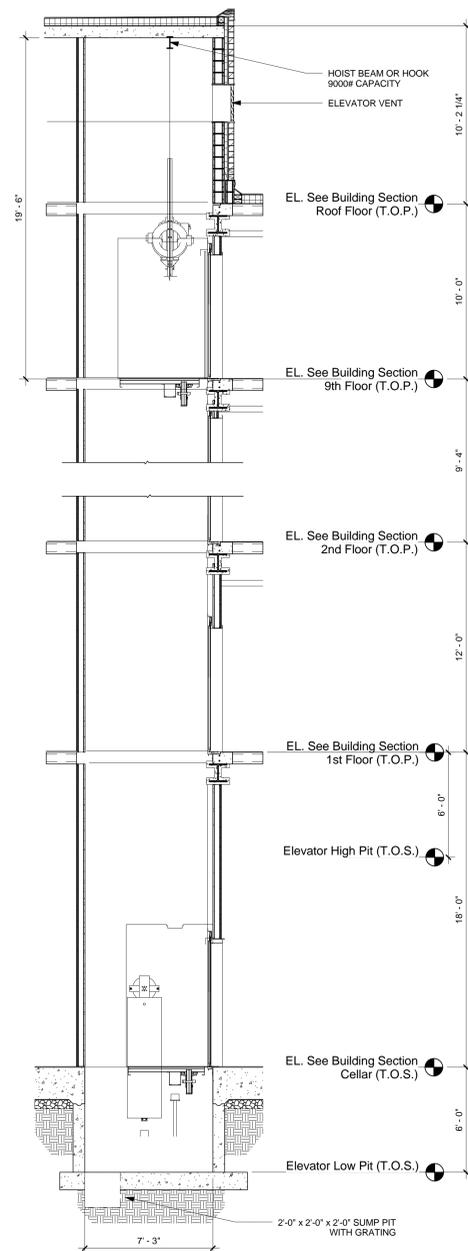
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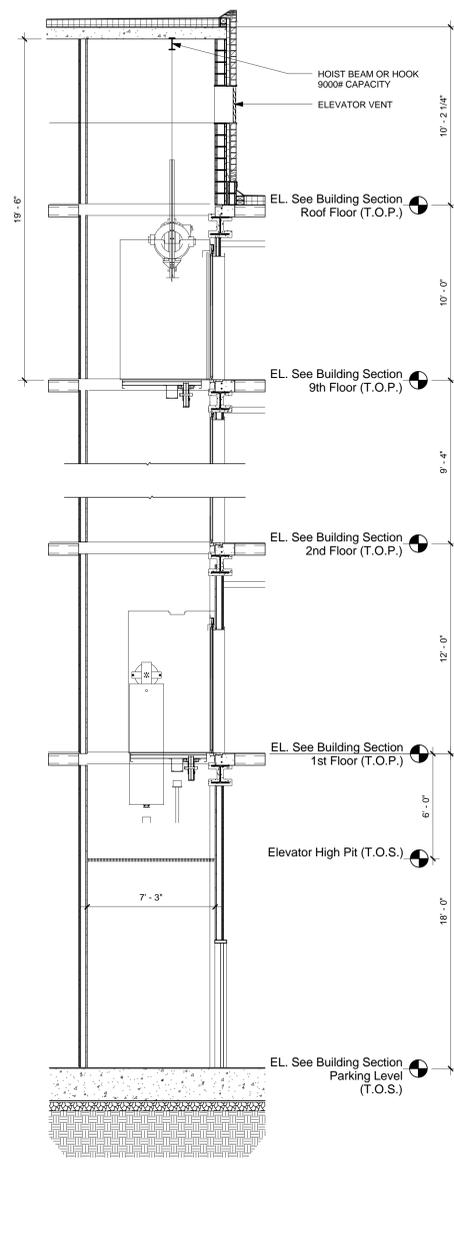
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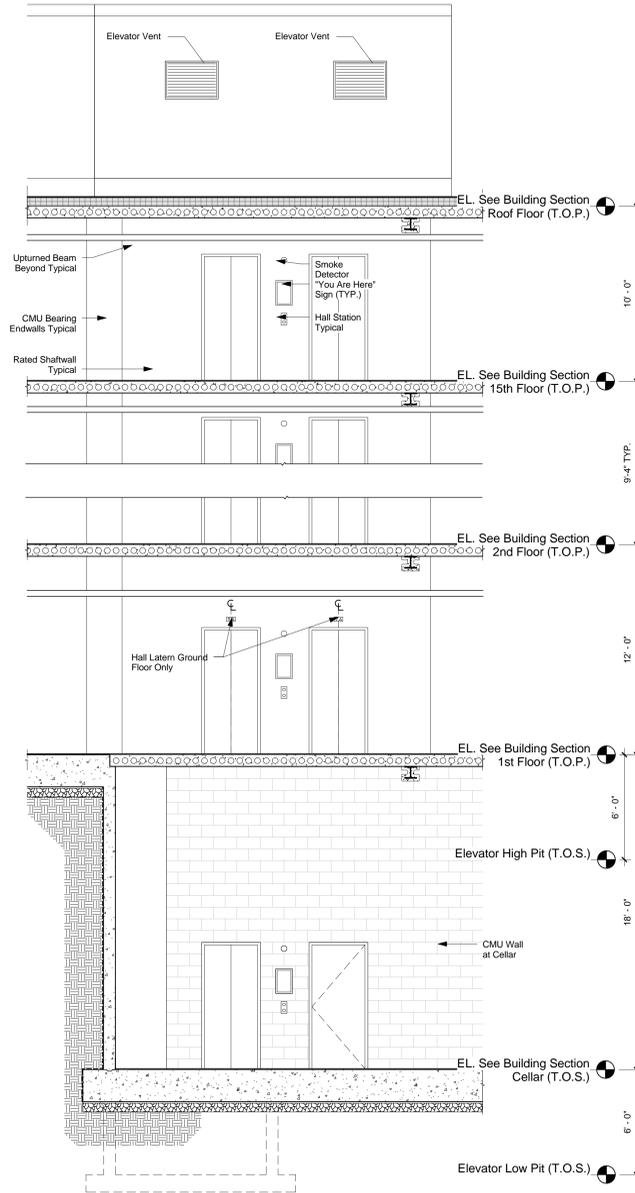
1 Section Thru Elevator - Building 1B  
1/4" = 1'-0"



2 Building 1B Elevator 3 Shaft Section  
1/4" = 1'-0"



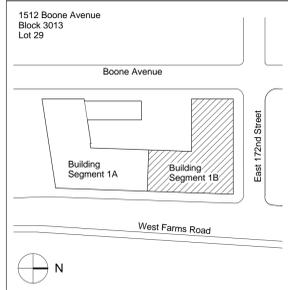
4 Building 1B Elevator 4 Shaft Section  
1/4" = 1'-0"



3 Building 1B Elevator Shaft - Hall Elevations  
1/4" = 1'-0"

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Elevator Sections -  
Building 1B

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Sheet No.: A-422.00



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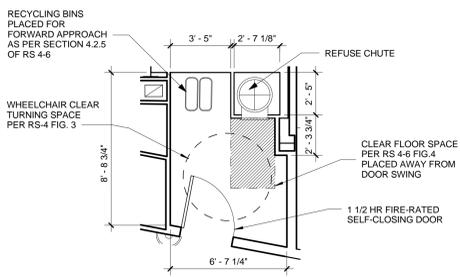
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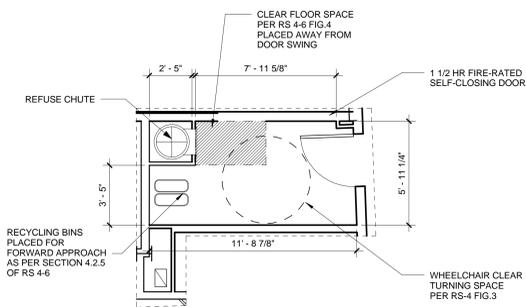
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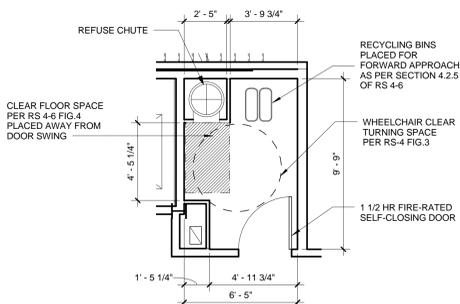
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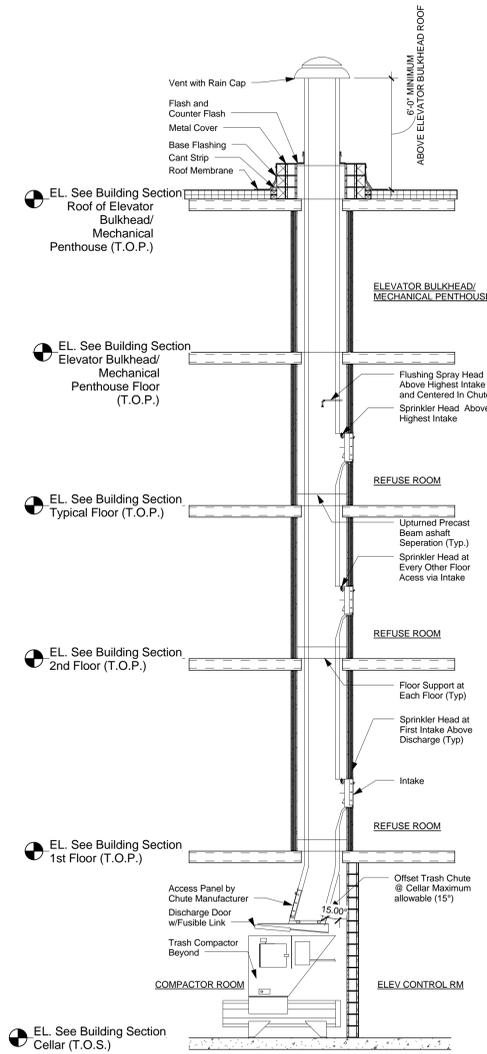
1 Typical Refuse Disposal Room - Building 1A  
1/4" = 1'-0"



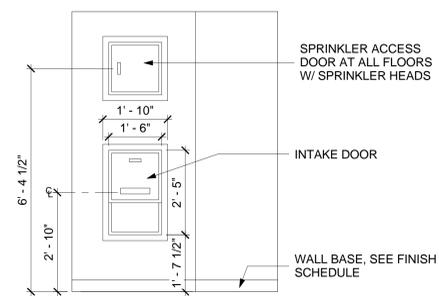
2 Typical Refuse Disposal Room - Building 1B  
1/4" = 1'-0"



3 14th and 15th Floor Refuse Disposal Room - Building 1B  
1/4" = 1'-0"



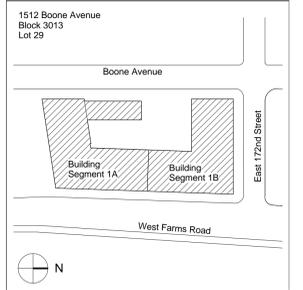
4 Trash Chute Detail Section  
1/4" = 1'-0"



5 Refuse Room Elevation  
1/2" = 1'-0"

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**Refuse Chute**

Date May 7, 2013

Scale As indicated

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## **APPENDIX – B**

### **Previous Environmental Reports**

# **Phase I Environmental Site Assessment**

**January 25, 2007**

*conducted at:*

**1471, 1481, & 1501 West Farms Road and 1493 Boone Avenue  
Bronx, New York  
New York City Tax Map Designation: *block 3013, lots 12, 46, 29, 31 & 37***

*prepared for:*

**Allied West Farms (NY LLC)  
c/o Robert Altman, Esq., PLLC  
New York, New York 10004**

*report user:*

**Allied West Farms (NY LLC)  
c/o Robert Altman, Esq., PLLC  
New York, New York 10004**

**IE Project # 07-010**

**IMPACT ENVIRONMENTAL**



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- Appendix G: Sanborn Maps
- Appendix H: Qualifications of the Environmental Professional
- Appendix I: Qualifications of the Project Manager

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## 1 EXECUTIVE SUMMARY

---

Impact Environmental has performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E 1527-05 of 1471, 1481, and 1501 West Farms Road and 1493 Boone Avenue, Bronx, New York, ("The Sites") under contract to by Allied West Farms (NY LLC) ("The Client"). Any exceptions to, or deletions from, this practice are described in Section 2.2 of this report.

The Sites are located in Bronx, New York. The Sites are situated in a manufacturing (M1-1) zoning area in the County of Bronx, New York. The sites are bound to the north by East 172<sup>nd</sup> Street and beyond by a storage yard; to the south by a manufacturing building; to the west by Boone Avenue, and beyond by residential properties; and to the east by West Farms Road, and beyond by the Sheridan Expressway (I-895). The extent of the entire property is approximately 37,833 square feet (0.87 acres). The Sites contains one (1) two-story, masonry steel manufacturing building, two (2) residential dwellings, and one (1) single-story auto repair shop with a parking lot. The surface area of the Sites consisted of asphalt parking areas, concrete walkways, exposed soils, and natural scrub vegetation. The Sites are currently developed as a steel manufacturing building, residential dwellings, and an auto repair shop.

This assessment has revealed evidence of recognized environmental conditions associated with the Sites (see Recommended Phase II ESA Activities in Section 8.3). Accordingly, additional activities are recommended to define and enhance the environmental quality of the Sites. Further, the additional Recommended Phase I ESA and Compliance activities should be performed as outlined in Section 8.

## 2 INTRODUCTION

---

### 2.1 Purpose

This assessment is intended, where applicable to the standard of care, to satisfy the requirements of the American Society for Testing and Materials (ASTM) Standard Practice for Environmental Site Assessments, as published in ASTM E 1527-05. Banks, insurance companies, and prospective property purchasers require an understanding of existing and past property conditions and uses in order to assess the potential liabilities associated with a property. This assessment has been completed by a qualified environmental professional as defined in ASTM Standards.

This report is not intended to present any legal opinions. The data and all conclusions presented in this report should be verified by the Client's and User's legal counsel.

The objectives of this Environmental Site Assessment are stated as follows:

- Establish a basis of understanding of the past and present land uses of the Sites in order to identify potential environmental and/or public health risks.
- Establish a basis of understanding of the past and present surrounding land uses and environmental resources in order to determine their impact on the environmental quality of the Sites.
- Constitute an all appropriate inquiry suitable for establishing innocent landowner, contiguous property owner, or bona fide prospective purchaser (also referred to as "land owner liability protections" or "LLPs") pursuant to 42 U.S.C. § 9601 (35) (B) and the Brownfield Revitalization and Environmental Restoration Act of 2001 (Brownfield Act).
- Provide information that can be used to evaluate CERCLA liability and "good neighbor" responsibilities for contaminants migrating onto or under the Site from contiguous properties in consideration of the Brownfield Act.
- Identify, to the extent feasible, *recognized environmental conditions* (RECs) in connection with the Sites and surrounding properties. The term *recognized environmental conditions* means the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, groundwater, or surface water of the property. The term includes hazardous substances or petroleum products even under conditions in compliance with laws. The term is not intended to include de minimus conditions that generally do not present a material risk of harm to public health or the environment and that

generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. Conditions determined to be de minimus are not recognized environmental conditions.

## **2.2 Limitations and Exceptions**

This Phase I Environmental Site Assessment was conducted solely to permit Impact Environmental to render a professional opinion about the likelihood of regulated contaminants being present on, in, or beneath the Sites in question at the time services were conducted. No matter how thorough a Phase I Environmental Site Assessment study may be, findings derived from its conduct are limited, and Impact Environmental cannot know or state for an absolute fact that a site, or a portion of the site, is unaffected by reportable quantities of regulated contaminants. Furthermore, even if Impact Environmental believes that reportable quantities of regulated contaminants are not present, there still exists a risk that such contaminants may be present or may migrate to the site after the study is complete. This assessment is dated, and is only valid for activities that occurred prior to the date of the site visit. Activities, liabilities, and alterations to the Sites subsequent to the date of the site visit are not included in the assessment.

ASTM has developed a variety of prescriptive professional practice standards (standard practices and standard guides), identify specific methods professionals could or should use to attain results. Such prescriptive professional practice standards fail to consider the unique needs of a client, the client's project-specific expectations, or the requirements and obligations of the professionals engaged to provide service, nor do they consider more effective techniques that may have been developed subsequent to the issuance of such standards. These ASTM standards are generic and general in nature and, therefore, do not always constitute, nor are they tantamount to the applicable standard of care, which necessarily is defined and must consider project-specific contractual terms and other particular needs, expectations, circumstances, and requirements of the project and the professional engagement. Full adherence to ASTM's prescriptive professional practice standards may not be appropriate or in the best interests of the client or the project Impact Environmental's instruments of service. Impact Environmental has worked to develop a scope of service specifically for this project, in accordance with client's needs and preferences and Impact Environmental's professional and contractual obligations.

The ASTM Standards provide specific guidance with regard to radon, asbestos, lead in drinking water, lead based paint, and polychlorinated biphenyls (PCBs). Analysis of the CERCLA implications with regard to the innocent landowner defense under Superfund finds that naturally occurring radon is not subject to CERCLA liability and is appropriately considered as a non-scope issue. Accordingly, this assessment will only provide general guidance on this issue, and will not involve or recommend air monitoring for radon gas.

Similarly, the ASTM Standards do not recognize liability with regard to asbestos that is part of the building materials of a structure, in accordance with CERCLA innocent landowner defense under Superfund. In the

interest of serving the client and addressing the needs of the *user*, this assessment will identify possible observed asbestos containing materials (ACMs), may pose a health threat. This assessment is not a full asbestos survey as would be required for building demolition, or identification of all possible sources of ACM, regardless of health danger.

Lead in drinking water and lead based paint are also issues that are considered to be non-scope under CERCLA innocent landowner defense under Superfund. Lead based paint was in use for many years, and it is likely that many older buildings will have surfaces coated with lead based paint. As a general rule, painted surfaces should be maintained and ingestion of paint products should be avoided. If disposal of these materials were involved, disclosure of this practice would be subject to the scope of this environmental assessment. In the interest of serving the user, this report may include limited field-testing of surface paints and the observations on the condition of the painted surfaces. Lead in drinking water generally occurs as a result of past use of high lead content solder. Water left stagnant in pipes overnight or longer may leach lead from these joints and affect drinking water quality. As a general rule, water should be run for several minutes in the morning where such plumbing may be present.

This assessment will not identify all potential sources of PCB containing oils. Common sources of these materials include transformers and fluorescent lamp ballasts. Electric service transformers may include ground level or pole mounted units. These transformers are owned and maintained by regional public utilities. Transformers are inventoried and periodically inspected. Public utility company representatives have reported that transformers were not manufactured to contain PCB contaminated oils. Aggressive and destructive testing, which would be required for definitive identification of PCB containing oils, is beyond the scope of this study.

In addition to these non-scope considerations, ASTM also lists other issues that are beyond the scope of the standard practice for Phase I Environmental Site Assessments. These include wetlands, regulatory compliance, cultural and historic resources, industrial hygiene, health and safety, ecological resources, endangered species, indoor air quality, molds, urban fill containing non-point source related contaminants and high voltage power-lines. However, it is noted that this list is not intended to be all-inclusive. Identification and interpretation of several of these issues will be addressed by Impact Environmental as necessary to meet the standard of care.

It must be noted that the accuracy of any assessment is limited to the information available during the time of the site visit; the records, files, and drawings provided by the owner and released by governmental agencies; and the accuracy and completeness of the information provided during interviews.

### 2.3 Special Terms and Conditions

It is the responsibility of the *user* of this report (the party seeking to use this Environmental Site Assessment; i.e., the purchaser, lender, owner, potential tenant, or property manager) to provide certain information utilized in the report. This would include reporting of any *environmental liens* (for example, consideration against the property for response action, cleanup, or remediation of hazardous substances or petroleum products) encumbering the property or specialized knowledge or experience that would assist in identifying *recognized environmental conditions*.

The standard of care is uniform in each Phase I Environmental Site Assessment (ESA); however, the availability of information, relevance, and quality of information can vary. As per ASTM Standards, the "*environmental professional* is not required to verify independently the information provided, but may rely on information provided unless he or she has actual knowledge that certain information is incorrect or unless it is obvious that certain information is incorrect based on other information obtained in the Phase I ESA or otherwise actually known to the environmental professional." Personnel involved in report preparation will make judgments on the accuracy of *user* provided information and conduct additional research as necessary in order to meet the requirement of identifying *recognized environmental conditions* on the Sites.

ASTM provides a number of standard sources of historic information. Impact Environmental will seek to research historic information as may be available as a means of cross confirmation. According to ASTM's Standard Practice for Environmental Site Assessments (E 1527-05), the "environmental professional is required to review only record information that is *reasonably ascertainable*," whereby *reasonably ascertainable* is defined as:

- Information that is *publicly available*.
- Information that is obtainable from its source within *reasonable time* and cost constraints.
- Information that is *practically reviewable*.

ASTM defines *reasonable time constraints* as information being provided by the source within twenty days of receiving a written request. *Practically reviewable* means that "the information is provided by the source in a manner and in a form that, upon examination, yields information relevant to the property without the need for extraordinary analysis of irrelevant data." Publicly available means "that the source of the information allows access to the information to anyone upon request."

Based on ASTM Standards, the Phase I ESA is not intended to include any sampling and analysis of materials associated with the Sites (i.e., soil, water, air, or building materials). However, if it has been noted by Impact Environmental that certain non-scope issues may be of concern to the *user*, a limited sampling and analysis program may be included under the scope of this assessment (lead surface paints and friable asbestos). Radon test results published by the USEPA Office of Radiation and Indoor Air in conjunction with the USGS were reviewed in lieu of sampling.

## **2.4 User Reliance**

This assessment was performed at the request of Allied West Farms (NY LLC) utilizing methods and procedures consistent with good commercial or customary practices. This assessment is intended, where applicable to the standard of care, to satisfy the requirements of the American Society for Testing and Materials (ASTM) Standard Practice for Environmental Site Assessments, as published in ASTM E 1527-05. The independent conclusions represent the best professional judgment of the Environmental Professional based on the conditions that existed and the information and data available to Impact Environmental during the course of this assignment. Factual information regarding operations and conditions provided by Mr. Robert Frost, owner, or the representative has been assumed to be correct and complete. The report may be distributed and relied upon by Allied West Farms (NY LLC). Reliance on the information and conclusions presented in this report by other party(ies) is not authorized by Impact Environmental.

### **3 SITE DESCRIPTION**

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The extent of the entire property is approximately 37,833 square feet (0.87 acres). The Sites contains one (1) two-story, masonry steel manufacturing building, two (2) residential dwellings, and one (1) single-story auto repair shop with a parking lot. The surface area of the Sites consist of asphalt parking areas, concrete walkways, exposed soils, and natural scrub vegetation. The Sites are currently developed as a manufacturing building, residential dwellings, and an auto repair shop.

#### **3.1 Topography**

The elevation of the Sites, as presented on the United States Geologic Survey (USGS), Central Park Quadrangle Map, approximates thirteen (13) to forty (40) feet above sea level. The USGS Map, which was base dated 1954, photo revised and field checked in 1966, and photo revised again in 1979, did not depict any structures on the Sites (the property is within an area in which only landmark buildings were mapped).

#### **3.2 Subsurface Geology**

The Sites is located within the New England Uplands physiographic province, which is geologically complex and exhibits moderate topographic relief. Throughout the area, the rocks have been folded, deformed and faulted during the structural upheaval and chemical alterations associated with a plate subduction zone and dynamothermal metamorphism. The province includes a majority of high-grade metamorphic rocks of Silurian age. These rocks include the Hudson Schist and the Yonkers Gneiss Formations. These rock formations include pelitic schists (sillimanite-garnet-muscovite-biotite-quartz-plagioclase), gneisses and amphibolites. The province also includes sedimentary (parent) rock types including sandstones, siltstones, limestones, shales, and quartz conglomerates.

The majority of the soil characteristics of the county are a function of the glacial geology of Bronx County. The area which now occupies Bronx County was completely covered by a continental glacier, which probably reached maximum thickness about 27,000 years ago. All preglacial landforms were modified by this glaciation and the subsequent deposition of till that occurred when the ice margin withdrew from the county about 14,000 years ago.

The present topographic relief of the county tends to be more subdued than the preglacial relief. The deposition of glacial till directly from the ice has masked most of the original bedrock relief. Many of the preglacial valleys were filled or blocked by glaciolacustrine deposits overlain by glaciofluvial deposits. Consequently, the present drainage systems, while reflecting original patterns, have been extensively altered.

In general, the soil mineralogy of the region correlates to that of the underlying bedrock. Recessional moraines, kames, eskers, crevasse fillings, and other ice contact depositional features occur in the county and cause many localized hydrologic effects.

## Geologic Map of New York City

Compiled by Pamela Chase Brock & Patrick W.G. Brock, Oct 2001

From the Geologic Map of New York State (Fisher et al., 1970)  
 Engineering Geology Maps of New York City (Baskerville, 1992, 1994)  
 Field Guides to New York City Geology (Merguerian and Sanders 1990-1993)  
 Geology of the Brooklyn and Queens water tunnels (Chesman 1997, Schnock 1999,  
 Merguerian personal communication, and Brock et al., 2001)  
 and mapping by the authors

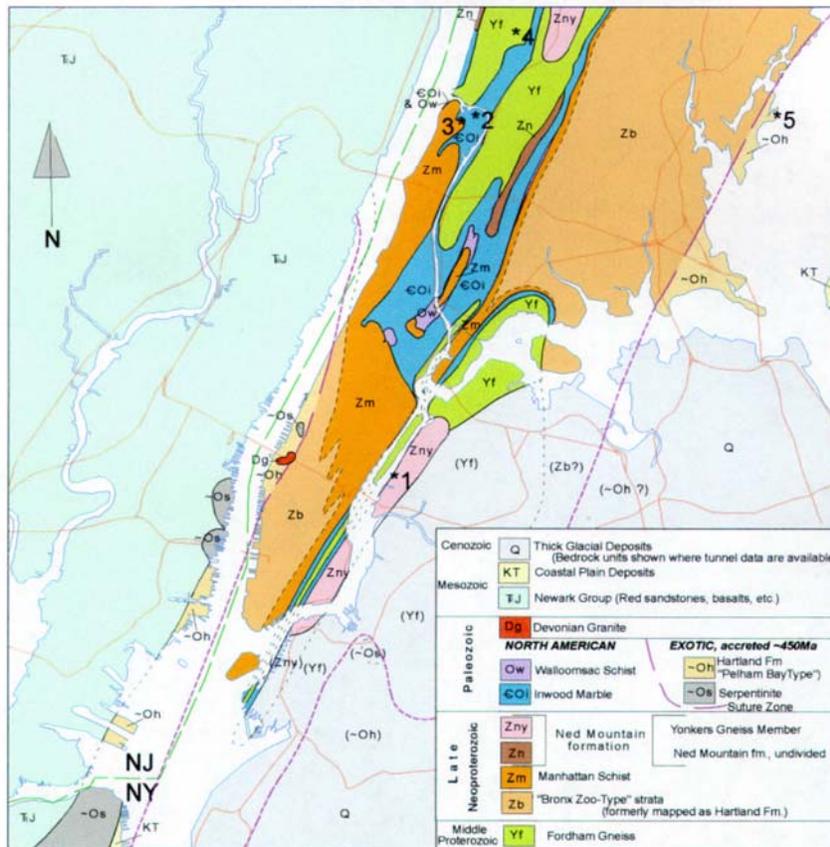


Figure 1

The groundwater resources are in unconfined sand and gravel deposits of glacial origin and in consolidated rock. The unconfined sand and gravel deposits form aquifers that are generally small and restricted to the valley areas. These aquifers recharge rapidly and therefore yield large quantities of water. Bedrock generally yields sufficient quantities of water for individual home or farm needs, but is rarely dependable for large industrial or city supplies. Groundwater obtained from the bedrock aquifers comes from fractures or cracks in the rock mass. The water-bearing properties of the various types of bedrock in the county are almost identical. The carbonates yield the largest water volumes of all of the bedrock types in the region.

### **3.3 Soil Component Identification**

The Sites lies within an area classified as Urban Land. This soil type consists of urbanized areas where the majority of the surface is covered with buildings, roads, driveways, parking lots, and other manmade structures. Further classification of the soils in these areas is impractical.

### **3.4 Hydrology**

Regional groundwater flow direction in the area of the Sites is convoluted and cannot be properly determined without the installation of groundwater monitoring wells. Based on the proximity of the East River to the South and the Bronx River to the east, it is anticipated that the groundwater flow direction will be either to the south or southeast.

## 4 SITE VISIT

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A site visit was conducted by Christopher O'Leary of Impact Environmental on January 10, 2007, to observe and document site conditions. The site visit was performed accompanied by Mr. Robert Frost, the key on-site manager. *[Site photographs are included in Appendix A].*

### 4.1 Interior Inspections

The interior of the buildings were inspected on January 10, 2007, by staff Environmental Biologist, Christopher O'Leary. Available for this portion of the inspection was Site representative Mr. Robert Frost. The inspection revealed the following information relevant to the environmental quality of the Sites:

#### 4.1.1 1471 West Farms Road (Auto Repair Shop)

1. No underground storage tanks (USTs) were identified in the building.
2. No above ground storage tanks (ASTs) were observed in the building. However, storage of portable chemical containers was noted in the building. Said storage included unknown substances. There was staining visible around the area of said containers.
3. No electrical transformers suspected of containing polychlorinated biphenyl (PCB) bearing dielectric fluid were observed in the building.
4. No friable asbestos containing materials were identified in the building.
5. No floor drains were observed in the building. However, it should be noted that due to the amount of storage in the building, the entire floor area could not be inspected.
6. One bathroom was observed in the building. The surfaces of the associated plumbing fixtures were inspected for observable indications of chemical staining that would be indicative of the disposition of chemical substances via the bathroom plumbing. The fixture surfaces in the bathrooms did exhibit any signs of chemical staining.
7. Two automobile lifts were observed in the building.
8. Suspended natural gas fired space heaters were observed in the building.

9. Surface petrochemical staining was noted on the floor of the operational area. Said staining appeared to be the result of releases that were below the volume requiring notification of the NYSDEC.

#### **4.1.2 1481 West Farms Road (Residential)**

1. No underground storage tanks (USTs) were identified in the building.
2. No above ground storage tanks (ASTs) were observed in the building.
3. No electrical transformers suspected of containing polychlorinated biphenyl (PCB) bearing dielectric fluid were observed in the building.
4. Approximately 100 linear feet of suspected friable asbestos containing pipe wrap was noted in the building. Said material was in poor condition. Due to the non-friable nature of the material, no samples were acquired.
5. Several bathrooms were observed in the building. The surfaces of the associated plumbing fixtures were inspected for observable indications of chemical staining that would be indicative of the disposition of chemical substances via the bathroom plumbing. The fixture surfaces in the bathrooms did not exhibit any signs of chemical staining.
6. A kitchen area was observed in the building. The surfaces of the associated plumbing fixtures were inspected for observable indications of chemical staining that would be indicative of the disposition of chemical substances via the kitchen plumbing. The fixture surfaces in the kitchen did not exhibit any signs of chemical staining.
7. A hot water heater was observed in the building.
8. Roof drainage leaders were observed in the building. Clean-out ports were observed on said drain pipes. There was no evidence that these leaders had been utilized for the disposal of hazardous substances.

#### **4.1.3 1501 West Farms Road (Steel Manufacturing)**

1. No underground storage tanks (USTs) were identified in the building.
2. No above ground storage tanks (ASTs) were observed in the building. However, storage of portable chemical containers was noted in the building. Said storage included unknown substances.
3. No electrical transformers suspected of containing polychlorinated biphenyl (PCB) bearing dielectric fluid were observed in the building.
4. No friable asbestos containing materials were identified in the building.
5. No floor drains were observed in the building. However, it should be noted that due to the amount of storage in the building, the entire floor area could not be inspected.
6. Several bathrooms were observed in the building. The surfaces of the associated plumbing fixtures were inspected for observable indications of chemical staining that would be indicative of the disposition of chemical substances via the bathroom plumbing. The fixture surfaces in the bathrooms did not exhibit any signs of chemical staining.
7. Several gas cylinders of unknown gas substances were observed in the building.
8. Several five-gallon drums of unknown substances were observed in the building.
9. Two suspended natural gas fired space heaters and a fireplace were observed in the building.
10. Significant surface petrochemical staining was noted on the floor of the operational area. Said staining appeared to be the result of releases that were below the volume requiring notification of the NYSDEC.

#### **4.1.4 1493 Boone Avenue (Residential)**

1. No underground storage tanks (USTs) were identified in the building.
2. Two (2) above ground storage tank (AST) was observed in the basement of the building. Said AST had a capacity of 550 gallons, and was utilized for the storage of fuel oil for on-site heating applications. No evidence of leaking or surface staining was noted during the inspection.

3. No electrical transformers suspected of containing polychlorinated biphenyl (PCB) bearing dielectric fluid were observed in the building.
4. No friable asbestos containing materials were identified in the building.
5. No floor drains were observed in the building.
6. An electric/ natural gas fired hot water heater was observed in the building.
7. Several bathrooms were observed in the building. The surfaces of the associated plumbing fixtures were inspected for observable indications of chemical staining that would be indicative of the disposition of chemical substances via the bathroom plumbing. The fixture surfaces in the bathrooms did not exhibit any signs of chemical staining.
8. A kitchen area was observed in the building. The surfaces of the associated plumbing fixtures were inspected for observable indications of chemical staining that would be indicative of the disposition of chemical substances via the kitchen plumbing. The fixture surfaces in the kitchen did not exhibit any signs of chemical staining.

#### **4.2 Exterior Inspections**

The exterior of the Sites were inspected on January 10, 2007, by staff Environmental Biologist, Christopher O'Leary. Available for this portion of the inspection was Site representative Mr. Robert Frost. The inspection of the Sites revealed the following information relevant to the environmental quality of the Sites:

##### **4.2.1 1471 West Farms Road (Auto Repair Shop)**

1. There was no underground storage tanks (USTs) identified outside the existing building.
2. There was no above ground storage tanks (ASTs) observed outside the existing building.
3. No electrical transformers suspected of containing PCB bearing dielectric fluid were observed on the Site.
4. There was no visible evidence of the illegal storage or dumping of asbestos containing materials on the Site.

5. Roof drainage appeared to be directed below grade to the New York City sewer system.
6. All building sanitary discharge appeared to be directed to the New York City sewer system.
7. All vegetation on the Site appeared in good condition relative to seasonal parameters.
8. Surficial petrochemical staining was noted on the asphalt surface of the Site. Said staining appeared to be the result of releases that were below the volume requiring notification of the NYSDEC.

#### **4.2.2 1481 West Farms Road (Residential)**

1. There was no underground storage tanks (USTs) identified outside the existing building.
2. Two (2) 55-gallon drums were observed on the Site. Said drums were being utilized for the storage of broken fluorescent bulbs.
3. No electrical transformers suspected of containing PCB bearing dielectric fluid were observed on the Site.
4. There was no visible evidence of the illegal storage or dumping of asbestos containing materials on the Site.
5. Roof drainage appeared to be directed below grade to the New York City sewer system.
6. All building sanitary discharge appeared to be directed to the New York City sewer system.
7. All vegetation on the Site appeared in good condition relative to seasonal parameters.
8. There were no stains or other visible evidence of any discharge of hazardous substances on the surface areas of the Site.

#### **4.2.3 1501 West Farms Road (Steel Manufacturing)**

1. There was no underground storage tanks (USTs) identified outside the existing building.
2. There was no above ground storage tanks (ASTs) observed outside the existing building.
3. No electrical transformers suspected of containing PCB bearing dielectric fluid were observed on the Site.
4. There was no visible evidence of the illegal storage or dumping of asbestos containing materials on the Site.
5. Roof drainage appeared to be directed below grade to the New York City sewer system.
6. All building sanitary discharge appeared to be directed to the New York City sewer system.
7. Several gas cylinders of unknown gas substances were observed outside the building.
8. Two (2) drains were observed outside the building in the driveway area.

#### **4.2.4 1493 Boone Avenue (Residential)**

1. There was no underground storage tanks (USTs) identified outside the existing building.
2. There was no above ground storage tanks (ASTs) observed outside the existing building.
3. No electrical transformers suspected of containing PCB bearing dielectric fluid were observed on the Site.
4. There was no visible evidence of the illegal storage or dumping of asbestos containing materials on the Site.
5. Roof drainage appeared to be directed below grade to the New York City sewer system.
6. All building sanitary discharge appeared to be directed to the New York City sewer system.
7. All vegetation on the Site appeared in good condition relative to seasonal parameters.

8. There were no stains or other visible evidence of any discharge of hazardous substances on the surface areas of the Site.

#### 4.3 Surrounding Properties

Land uses occurring on the surrounding properties may have an effect on the environmental quality of the Sites. Accordingly, a visual inspection was performed on the properties immediately adjacent to the Sites. The following information was noted.

Direction	Land Use	Evidence of any storage, handling, or discharge of hazardous substances
North	East 172 <sup>nd</sup> Street	None
East	W. Farms Rd is visible and beyond by the Sheridan Expressway	None
South	Manufacture	Unknown
West	Boone Avenue is visible and beyond by residential	None

#### 4.4 Limited Scope Identification of Possible Lead Containing Surface Paints

The element of lead has no function in the body. It can have poisonous effects on human organs and the nervous system, causing a variety of toxic reactions. Since lead accumulates in the body more rapidly than it can be removed, repeated exposures, even to small amounts, may produce lead poisoning. In addition, deteriorating lead components may allow lead to become airborne [CAS# 7439-92-1]. Threshold limit values have been established at 0.15 mg/m<sup>3</sup> (of air) by the American Conference of Governmental Industrial Hygienists. A non-destructive survey was performed. Said survey was not intended to constitute a full lead paint survey, which is beyond the scope of this report.

1. Based on the age of the buildings, it is possible that lead containing paints exist below the surface layer in portions of the buildings.
2. No suspected lead containing surface paints were observed, and no samples were secured.

#### **4.5 Limited Scope Identification of Possible Friable Asbestos Containing Materials**

Asbestos has been linked to various types of lung diseases. Various regulatory agencies have tolerance limits of 1% by weight for asbestos in materials. Any material that contains asbestos levels above this limit may be considered hazardous and may have to be abated. A non-destructive survey was performed. Said survey was not intended to constitute a full asbestos survey, which is beyond the scope of this report. The results of the survey are listed below:

1. Based on the age of the buildings, it is possible that asbestos containing materials may exist in the buildings materials.
2. No suspected friable asbestos containing materials were observed, and no samples were secured.

#### **4.6 Limited Scope Identification of Possible Mold**

As part of this assessment, Impact Environmental performed a limited visual inspection for the significant presence of mold. A class of fungi, molds has been found to cause a variety of health problems in humans, including allergic, toxicological and infectious responses. Molds are decomposers of organic materials which thrive in humid environments and produce tiny spores to reproduce, just as plants produce seeds. When mold spores land on a damp spot indoors, they may begin growing and digesting whatever they are growing on in order to survive. When excessive moisture or water accumulates indoors, mold growth will often occur, particularly if the moisture problem remains undiscovered or unaddressed. As such, interior areas of buildings characterized by poor ventilation and high humidity are the most common locations of mold growth. Building materials including drywall, wallpaper, baseboards, wood framing, insulation and carpeting often play host to such growth.

Impact Environmental observed interior areas of the Sites structures for the significant presence of mold. Impact Environmental did not observe any obvious visual or olfactory indications of the presence of mold, nor did Impact Environmental observe obvious indications of significant water damage. As such, no bulk sampling of suspect surfaces was conducted as part of this assessment. This activity was not designed to discover all areas that may be affected by mold growth on the Sites. Rather, it is intended to give the client an indication if significant (based on observed areas) mold growth is present at the Sites. Additional areas of mold not observed as part of this limited assessment, possibly in pipe chases, HVAC systems and behind enclosed walls and ceilings, may be present on the Sites.

#### 4.7 Radon Investigation

Radon is a colorless, odorless, inert gas which has become an air contaminant in certain geographic areas. Radon is a natural isotope which is most commonly present in association with crystalline bedrock and occasionally other geologic deposits. Naturally occurring isotope decay can emit radiation, which when converted to radioactive metal oxide deposits in the lungs, causes health concerns from inhalation. Radon levels generally increase in areas where bedrock is close to the land surface, and generally only creates a health related problem where underground basements are constructed. A basement can allow radon gas to accumulate in a manner that could cause exposure. Geographically, radon may be of concern in certain parts of Queens and points further west. Absent these conditions, radon gas presents less of a concern. The only way to determine concretely if radon gas is present is to perform air monitoring. Said monitoring is beyond the scope of this report.

The EPA issued a publication entitled Map of Radon Zones dated September 1993. Said document was prepared by the USEPA Office of Radiation and Indoor Air in conjunction with the USGS. According to said publication, 1123 sites were tested for indoor radon concentrations in the five boroughs of New York City between the years 1985 and 1993. The following information was revealed (based on an action level for radon of 4 pCi/L).

<u>Average Activity</u>	<u>% &lt;4 pCi/L</u>	<u>% 4-20 pCi/L</u>	<u>% &gt;20 pCi/L</u>
1.4 pCi/L	95%	5%	0%

## 5 REVIEW OF PROVIDED INFORMATION AND INTERVIEWS

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Mr. Robert Frost of this report was requested to provide certain information that is relevant to the environmental quality Site; including site history information, title reports, environmental liens, specialized knowledge; and previous environmental reports. This information was evaluated by Impact Environmental for this Phase I ESA. The following table summarizes the information that was provided by Mr. Frost.

Item	Provided	Not Provided
Phase I Questionnaire	X	
Title Records		X
Environmental Liens or Activity and Use Limitation		X
Specialized Knowledge		X
Valuation Reduction for Environmental Issues		X
Identification of Key Site Manager	X	
Reason for Performing Phase I ESA	X	
Corporate Records		X

### 5.1 Owner, Property Manager, and Occupant Information

The Sites are currently owned by Patricia Norton and West Farms Corporation.

### 5.2 Title Records

Review of the chain-of-title information is included in the scope of work for this project.

1. At the time of this assessment, the User did not provide any title records for the Sites.

### 5.3 Environmental Liens

The Phase I Questionnaire was completed by Mr. Robert Frost and is included in *Appendix B*. Mr. Frost indicated he had no knowledge of environmental liens against the Sites, or limitations related to the environmental conditions.

#### 5.4 Specialized Knowledge

Mr. Robert Frost completed the Phase I Questionnaire and reported no specialized knowledge of HRECs, PCBs, or other *recognized environmental conditions* in the connection with the Sites.

#### 5.5 Valuation Reduction for Environmental Issues

Mr. Frost completed the Phase I Questionnaire and indicated that the property value or purchase price has not been devalued compared to comparable properties, as a result of environmental conditions at the Sites or surrounding properties.

#### 5.6 Corporate Records

Review of the corporate records is included in the scope of work for this project.

1. At the time of this assessment, the Mr. Frost did not provide any corporate records for the Sites.

#### 5.7 Interviews

The interview(s) revealed the following information relevant to the environmental quality of the Site [*See Appendix B*].

Contact Interviewed	Date	Relationship to Site	Relevant Information
Mr. Robert Frost	1/16/2007	Purchaser	Phase I Questionnaire
Mr. Ross Ramsay	1/10/2007	Seller	Site Information

1. According to Mr. Ross Ramsay, the Sites are serviced by natural gas and 1493 Boone Avenue is serviced by fuel oil heat.
2. According to Mr. Robert Frost, the Sites are intended to remain at its present use. In the future the Sites may undergo possible development.

### **5.8 Interview With Local Government Officials**

An interview with a representative of the New York City Fire Department (NYCFD) regarding the environmental quality of the Sites has revealed the following information.

1. According to the NYCFD representative, no information can be released regarding the Sites until a Freedom of Information request has been received and approved. No response has been received to date regarding the Freedom of Information request submitted for the Sites.

## 6 RECORDS REVIEW

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The Freedom of Information Act/Law provides rights of access to all government documents not exempt from disclosure. Accessible records include paper documents and items such as video/audio tape recordings, microfilm, and computer disks. Impact Environmental examined relevant government documentation so as to define implicit parameters affecting the environmental quality of the Sites. The appropriate Freedom of Information requests were submitted and are included in the appendix of this document.

Information from standard federal, state, county and local environmental record sources was provided by Toxics Targeting Environmental Report, Inc. Data from governmental agency lists are updated and integrated into one database, which is updated as these data are released. This integrated database also contains postal service data in order to enhance address matching. Records from one government source are compared to records from another to clarify any address ambiguities. The demographic and geographic information available provides assistance in identifying and managing risk. In some cases, location information supplied by the regulatory agencies is insufficient to allow the database companies to geocode facilities locations. These facilities are listed under the unmappables section within the Toxics Targeting Environmental Report.

Regulatory information from the following database sources regarding possible recognized environmental conditions, within the ASTM minimum search distance from the Sites was reviewed. Specific facilities are discussed below if determined likely that a potential recognized environmental condition has resulted at the Site Property from the listed facilities. [*Please refer to Appendix C for a complete listing*]

### 6.1 Federal Environmental Record Review

A Freedom of Information request was submitted to the United States Environmental Protection Agency (EPA). A response has not been received to date. *Environmental Protection Agency (EPA) [See Appendix D]*

#### 6.1.1 National Priorities List (NPL)

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

1. The Sites are not listed as a NPL facility.
2. No NPL sites are located within one-mile of the Sites.

### **6.1.2 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.

1. The Sites are not listed as a CERCLIS facility.
2. No CERCLIS sites are listed within 1/2-mile of the Sites.

### **6.1.3 Federal CERCLIS NFRAP Sites List**

The CERCLIS No Further Remedial Action Planned (NFRAP) List is a compilation of sites that the EPA has investigated, and has determined that the facility does not pose a threat to human health or the environment, under the CERCLA framework.

1. The Sites are not listed as a CERCLIS-NFRAP facility.
2. No CERCLIS-NFRAP sites are listed within 1/2-mile of the Sites.

### **6.1.4 Federal Resource Conservation & Recovery Act (RCRA) CORRACTS Facilities List**

The EPA Resource Conservation and Recovery Act (RCRA) Program identifies and tracks hazardous waste from the point of generation to the point of disposal. The CORRACTS database is the EPA's list of treatment storage or disposal facilities subject to corrective action under RCRA.

1. The Sites are not listed as a RCRA CORRACTS TSD facility.
2. No RCRA CORRACTS TSD facilities are listed within one-mile of the Sites.

### **6.1.5 Federal Resource Conservation & Recovery Act (RCRA) TSD Facilities List**

The EPA Resource Conservation and Recovery Act (RCRA) Program identifies and tracks hazardous waste from the point of generation to the point of disposal. The RCRA TSD database is a compilation by the EPA of reporting facilities that treat, store or dispose of hazardous waste.

1. The Sites are not listed as a RCRA TSD facility.
2. No RCRA TSD sites are listed within 1/2-mile of the Sites.

### 6.1.6 Federal Resource Conservation & Recovery Act (RCRA) Generator List

The RCRA program identifies and tracks hazardous waste from the point of generation to the point of disposal. The RCRA Generators database is a compilation by the EPA of reporting facilities that generate hazardous waste.

1. The Sites are listed as a RCRA facility.

Name: Estate of Louis Romano				
Address: 1471 West Farms Road				
Facility ID: NYR000115212				
Code	Description	Amount	Transaction type	Year
D001	Solid waste that exhibits the characteristic of ignitability	110 gal	Generated	2003

2. One (1) RCRA Generator facility is listed on the Sites or on the adjacent properties.

Name: New York City B O E				
Address: 1001 Jennings Street				
Located: 311 feet to the west southwest of 1471 West Farms Road				
Facility ID: NY0000375709				
Code	Description	Amount	Transaction type	Year
D008	Lead	700 pounds	Generated	1995

### 6.1.7 Federal Emergency Response Notification System (ERNS)

The Emergency Response Notification System (ERNS) is a national database used to collect information on reported release of oil or hazardous substances.

1. No ERNS sites are listed on the Sites or on the adjacent properties.

## **6.2 State Environmental Record Review**

A Freedom of Information request was submitted to the New York State Department of Environmental Conservation (DEC). A response has not been received to date.

*New York State Department of Environmental Conservation (NYSDEC) [See Appendix E]*

### **6.2.1 Inactive Hazardous Waste Disposal Sites**

New York's Inactive Hazardous Waste Disposal Site Registry is also known as the State Superfund. According to State authorities, these active or abandoned sites can pose serious environmental or health hazards that require investigation or clean up. Sites include toxic dumps, garbage landfills, factories, dry cleaners or illegal disposal sites that have caused extensive air, water, groundwater or soil contamination.

#### **Classification System:**

- Class 1 - Causing or presenting an imminent danger of causing irreversible or irreparable damage to public health or the environment - immediate action required.
  - Class 2 - Significant threat to the public health or environment - action required.
  - Class 2a – This temporary classification has been assigned to sites where there is inadequate data to assign them to the five classifications specified by law.
  - Class 3 - Does not present a significant threat to the environment - action may be deferred.
  - Class 4 - Site properly closed - requires continual management.
  - Class 5 - Site properly closed, no evidence of present or potential adverse impact - no further action required.
  - Class D1, D2, D3 – Delisted Site (D1-Hazardous waste not found; D2-Remediated; D3-Consolidated site or site incorrectly listed)
1. The Sites are not listed as an inactive hazardous waste disposal site.
  2. There are no sites within a one-mile radius of the Sites that appear in the NYSDEC publication, Inactive Hazardous Waste Disposal Sites in New York State.

### **6.2.2 Hazardous Substance Waste Disposal Sites**

These properties often pose serious environmental or health hazards, but they may have been low priorities for investigation or clean up because on-site contamination may not constitute "hazardous waste." Sites include utility coal tar facilities, wood tar sites and properties polluted with petroleum that have caused extensive air, water, and groundwater or soil contamination.

1. The Sites are not listed as a hazardous waste disposal site.

2. There are no sites within a 1/2-mile radius of the Sites that appear in the NYSDEC publication, Hazardous Substance Waste Disposal Site Study.

### 6.2.3 Brownfield Sites

These properties are a listing of site that are abandoned, idled, or under-used industrial and commercial sites where expansion or redevelopment is complicated by real or perceived environmental contamination. The Voluntary Cleanup Program involves hazardous waste sites that have had their listing in the (above referenced publication) deferred while being investigated and remediated voluntarily under NYSDEC supervision. Coal tar sites may have previously been listed in the publications, but they were removed as a result of a Departmental legal review that revealed that most coal gasification wastes do not meet the New York State definition of hazardous waste. These sites are currently being investigated and remediated in conjunction with the regional utility companies, and it is possible that some of these sites may qualify as hazardous waste sites as information becomes available. In addition, the NYSDEC lists sites that fall under the 1996 Clean Water / Clean Air Bond Act Environmental Restoration Program (Brownfields Program). The Brownfields Program involves sites that are currently vacant or only partially utilized, have an industrial or commercial history, and are suspected or confirmed to have soil and / or groundwater contamination

1. The Sites are not listed as Environmental Restoration Program (Brownfields Program) site.
2. There are no sites within a 1/2-mile radius of the Sites that appear in the NYSDEC Brownfields Cleanup Program.
3. There is one (1) site within a 1/2-mile radius of the Sites that appears in the NYSDEC Voluntary Cleanup Program listing.

Name: CE – E 173 <sup>rd</sup> Street – Bronx Works
Address: West Farms Road & Bronx River
Located: 907 feet to the northeast of 1471 West Farms Road
Facility ID: V00552

### 6.2.4 NYSDEC Coal Tar Sites

These are power generating structures, manufactured gas plants, gas storage facilities, maintenance yards and other gas and electric utility sites.

1. The Sites are not listed as an NYSDEC Coal Tar site.
2. There are no sites within a one-mile radius of the Sites that appear in the NYSDEC Coal Tar Site listing.

### **6.2.5 Solid Waste Management Facilities**

The NYSDEC maintains a listing of all registered and permitted landfills, transfer stations, and solid waste disposal sites within New York State. A review of this listing has revealed the following information relevant to the environmental quality of the Site:

1. The Sites are not listed as a Solid Waste Management Facility.
2. There are no sites within a 1/2-mile radius of the Sites that appear on the listing.

### **6.2.6 State Pollutant Discharge Elimination System Permits (SPDES)**

In 1973, New York passed the State Pollutant Discharge Elimination System (SPDES) Act, which provides for state permits for point source discharges to surface and ground waters. The USEPA delegated authority to NYSDEC to regulate the issuance of all National Pollution Discharge Elimination Systems (NYPES) permits as stipulated under sections 307, 318, 402, and 405 of the Clean Water Act, under the state SPDES program. A review of SPDES permit listings in New York City revealed the following information relevant to the environmental quality of the Site:

1. No SPDES permits are listed for the Sites.
2. No SPDES permits are listed for the contiguous with the Sites.

### **6.2.7 Major Oil Storage Facilities (MOSF)**

Major Oil Storage Facilities have at least 400,000 gallons of storage capacity (as per Article 12 of the Navigation Law, 6 NYCRR Part 610, and 17 NYCRR Part 30) and often experience leaks, spills or other uncontrolled releases that can cause extensive air, water, groundwater or soil contamination that threatens the environment or the public health. Please note that New York has withheld public release of this database since January 2002.

1. The Sites did not appear on the MOSF listing.
2. There are no sites within a 1/2-mile radius of the Sites that appear on the MOSF listing.

### 6.2.8 Chemical Bulk Storage (CBS) Sites

Sites storing hazardous substances listed in 6 NYCRR Part 597 in aboveground tanks with capacities of 185 gallons or more and/or underground tanks of any size. It should be noted that New York has withheld public release of this database since January 2002.

1. The Sites did not appear on the CBS listing.
2. There are no sites within 1/4-mile of the Sites that appear on the CBS listing.

### 6.2.9 Petroleum Bulk Storage (PBS) Sites

These are sites with more than a 1,100 gallon capacity for storing petroleum products. It should be noted that New York has withheld public release of this database since January 2002.

1. The Sites did appear on the PBS listing.

Name: J & L Auto Service						
Address: 1471 West Farms Road						
Facility ID: 2-259772						
Tank #	Status	Content	Capacity (gallon)	Location	Installed Date	Closed Date
001	Temp out of service	Unleaded Gasoline	550	Underground	12/01/1964	
002	Temp out of service	Unleaded Gasoline	550	Underground	12/01/1964	
003	Temp out of service	Unleaded Gasoline	550	Underground	12/01/1964	
004	Temp out of service	Unleaded Gasoline	550	Underground	12/01/1964	
005	Temp out of service	Unleaded Gasoline	550	Underground	12/01/1964	
006	Temp out of service	Unleaded Gasoline	550	Underground	12/01/1964	

2. Eleven (11) sites are listed on the PBS database within 1/4-mile of the Sites. Of these, eleven (11) are listed as being within 1/8-mile of the Sites. No sites are noted to be contiguous with the Sites.

### 6.2.10 Spill Logs

The New York State Department of Environmental Conservation routinely responds to petroleum product spill/discharge incidents so as to perform and/or supervise in their remediation. The agency currently maintains a log (Spill Log) of all reported incidents that have occurred within specific regions of the State of

New York. Typical events that would be listed on the log include motor vehicle accidents involving the release of petroleum products; discharges of petroleum products from underground storage tanks; discharges of PCB contaminated oils from electrical transformers; and events involving the abandonment of petroleum products. A review of the NYSDEC Spill Log revealed the following information relevant to the environmental quality of the Site.

1. There are two (2) spill incidents listed in the NYSDEC Spill Log as having occurred on the Sites.

Name: Manhole #26176	
Address: 1471 West Farms Road	
Spill Number: 9913455	Spill Date: 02/28/2000
Cause of Spill: Unknown	Resource Affected: Soil
Meet Cleanup Standards: No	Material Spilled: Petroleum
Quantity Spilled: 1.00 Gallons	Close Date:
Remark: cleanup pending test results reference #130160	

Name: Abandoned Service Station	
Address: 1471 West Farms Road	
Spill Number: 0300164	Spill Date: 04/04/2003
Cause of Spill: Equipment failure	Resource Affected: Soil
Meet Cleanup Standards: No	Material Spilled: Petroleum
Quantity Spilled: Unknown	Close Date:
Remark: caller did tank removal and test results show soil contamination; caller believes line failed causing release	

2. There are a significant number of spill incidents listed in the NYSDEC Spill Log as having occurred within 1/2-mile of the Sites. Accordingly, the *approximate minimum search distance* (as defined by ASTM) was reduced to 1/4-mile in order to make the data *practically reviewable*. Twenty-five (25) spill incidents are listed in the NYSDEC Spill Log as having occurred within 1/4-mile of the Sites [see Appendix C]. Review of these incidents has revealed that seventeen (17) are listed as having occurred between 1/4 to 1/8-mile, and seven (7) are listed as having occurred within 1/8-mile.

### **6.3 City Environmental Record Review**

*New York City Department of Environmental Protection; New York City Fire Department; New York City Building Department [See Appendix F]*

#### **6.3.1 New York City Department of Environmental Protection**

The Bureau of Water Pollution Control and the Bureau of Sewers of the New York City Department of Environmental Protection has put forth the document, Rules and Regulations Relating to the Use of the Public Sewers, Including Sewer Surcharges, pursuant to Section 1403 of the New York City Charter and by Sections 683a4-1.0 through 683a4-19.0, 687-1.0 and 689-1.0 of the Administrative Code of the City of New York and in compliance with Section 1105 of the New York City Charter. This document covers such topics as the disposal of wastewater, stormwater, and groundwater, the materials and substances excluded from public sewers, the toxic substances accepted conditionally, the terms and conditions for the issuance of a permit, the removal, transportation, and disposition of scavenger wastes, and the imposition and computation of sewer surcharge. The New York City DEP was contacted regarding the Sites. The following information was made available:

1. A Freedom of Information request was submitted for the Sites, but no response has been received to date.

#### **6.3.2 New York City Fire Department**

The New York City Fire Department oftentimes maintains records of underground storage tanks and the storage of hazardous materials. The New York City Fire Department was contacted about the Sites and provided the following information:

1. A Freedom of Information request was submitted for the Sites, but no response has been received to date.

#### **6.3.3 New York City Building Department**

The New York City Building Department maintains records regarding permits issued for the construction of a building, renovations of the building, boiler specifications, and violations. The department also maintains a record of those lots with an "E" designation on the Zoning Maps of the Zoning Resolution of the City of New York for potential hazardous material contamination ("haz-mat E lots"), as determined by the NYCDEP. Lots with said designation may not be issued a building permit allowing: 1) any development; 2) an enlargement, extension or change of use involving residential or community facility use; or 3) and enlargement that disturbs the soil on said lot unless and until the Department is provided with a report from DEP stating that

the environmental requirements for the lot have been met. The New York City Building Department was contacted about the Sites and provided the following information:

1. The Sites are not listed with an "E" designation. The Sites are listed with an M1-1 designation.
2. The Sites are listed as the following in the NYC Building Department database.

Address	Occupancy Code	Occupancy Description
1471 W. Farms Road	G4	Garage / Gas Station
1481 W. Farms Road	B2	2 Family Dwelling
1501 W. Farms Road	F1	Factory / Industrial
1493 Boone Avenue	C0	Walk-Up Apartment

3. The following Certificates of Occupancy were on file for the Site.

Address	Issued Date	CO Number	Detail
1471 W. Farms Rd	1964	37876	Motor Vehicle Repair including body repair
	1964	38631	Motor Vehicle Repair Shop
	1965	40277	Automotive Service Station and Motor Vehicle Repair Shop * fire department approval of gasoline tank installation
	1991	60313	Automotive Service Station
1481 W. Farms Rd	1991	60314	Two family dwelling with boiler in cellar
1501 W. Farms Rd	1958	21230	Iron Shop, Crane Bay, Warehouse, and Parking & Storage of Motor Vehicles
1493 Boone Ave		C0	Walk-Up Apartment

4. No other records of any environmental concerns were on file for the Sites.

## 7 REVIEW OF HISTORIC DATA

### 7.1 Sanborn Maps

The Sanborn Maps were created to inform fire fighters of potential dangers based on land use and building construction. Said maps were also used for fire insurance purposes. These maps are updated on a rotating basis. The maps were inspected to determine past uses of the Site and surrounding properties. The Sanborn Maps for the Sites revealed the following information [See Appendix G].

Year	Site Historic Uses
1896	The Sites appears to maintain six or more structures.
1901	The Sites maintain 3 single-story structure, 4 two-story structure, 1 three-story structure along with a molding mill.
1915	The Sites appear to maintain 2 single-story dwellings, 2 two-story dwellings, 1 three-story dwellings, a lumber shed, and a planning mill.
1951	The Sites appear to maintain 2 single-story dwelling, 1 two-story dwelling, 1 three-story dwelling, 3 private auto garages, a stage, and an iron works building.
1977	The Sites maintain an auto junk yard with filling station, an auto repair shop, 1 single-story dwelling, 1 two-story dwelling, 1 three-story dwelling, 1 private auto garage, 2 iron work buildings, and 1 manufacturing building.
1989	The Sites maintain an auto junk yard with filling station, two auto repair shops, 1 single-story dwelling, 1 two-story dwelling, 1 three-story dwelling, 1 private auto garage, 2 iron work buildings, an unknown single-story building, and 1 manufacturing building.

Direction	1896 - Surrounding Property Uses
North	Cooke Place is visible.
East	West Farms Road is visible.
South	The properties appear to be unimproved vacant lots.
West	Boone Avenue is visible.

Direction	1901 - Surrounding Property Uses
North	East 172 <sup>nd</sup> Street is visible.
East	West Farms Road is visible and beyond by the Union Railway Power House.
South	The properties appear to be unimproved vacant lots and beyond by Jennings Street.
West	Boone Avenue is visible.

Direction	1915 - Surrounding Property Uses
North	East 172 <sup>nd</sup> Street is visible.
East	West Farms Road is visible.
South	The properties appear to be unimproved vacant lots and beyond by Jennings Street.
West	Boone Avenue is visible and beyond by residential dwellings.

Direction	1951 - Surrounding Property Uses
North	East 172 <sup>nd</sup> Street is visible.
East	West Farms Road is visible.
South	The properties appear to be unimproved vacant lots and beyond by a work shop and dress manufacture
West	Boone Avenue is visible and beyond by residential dwellings.

Direction	1977, 1989 - Surrounding Property Uses
North	East 172 <sup>nd</sup> Street is visible.
East	West Farms Road is visible and beyond by Arthur V. Sheridan Expressway.
South	The properties appear to be unimproved vacant lots and beyond by a work shop and dress manufacture
West	Boone Avenue is visible and beyond by vacant land.

## **8 EVALUATION OF DATA AND RECOMENDATIONS**

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An evaluation of the data obtained under the scope of this Phase I ESA was performed to identify recognized environmental conditions associated with the Sites. The evaluation included a review of the reasonably ascertainable data collected under the scope of this assessment. The evaluation considered the significance of data gaps that were inherent to site-specific sources of information consulted for this Phase I ESA. The absence of certain information can affect the ability of the environmental professional to identify recognized environmental conditions; and is considered a data gap. A data gap is the lack of or inability to obtain information required by the All Appropriate Inquiries ruling despite good faith efforts by the environmental professional to gather such information. Data gaps may result from incompleteness in any of the activities required by this practice, including, but not limited to site visit, user-provided information, available sources of historic information and interviews.

### **8.1 Data Gaps**

1. Response to the Freedom of Information requests submitted to the United States Environmental Protection Agency, the New York State Department of Environmental Conservation, the New York City Department of Environmental Protection, and the New York City Bureau of Fire Prevention has not been received to date. In addition, no historical sources of information consulted in this Phase I ESA provided land uses back to each Site's point of pre-development. Furthermore, the chain-of-title records were not provided at the time of this assessment. This absence of this information represents a data gap.

### **8.2 Recommended Phase I ESA Activities**

1. Response to the Freedom of Information requests submitted to the United States Environmental Protection Agency, the New York State Department of Environmental Conservation, the New York City Department of Environmental Protection, and the New York City Bureau of Fire Prevention has not been received to date. ASTM establishes that a diligent Phase I Environmental Site Assessment must consider all information obtained from a public agency within twenty days of receipt of a Freedom of Information requests. Accordingly, information obtained from the above-mentioned agencies before the twenty day period has passed will be addressed in an addendum to this assessment.

### 8.3 Recommended Phase II ESA Activities

1. Review of historical Sanborn maps revealed that the Site (1471 West Farms Road) was an auto junk yard and then had been utilized as a gasoline filling station/auto body since 1977 with a closed spill (#0300164) in 2003. The Site is presently an active auto body that is a RCRA hazardous waste generator and transporter. The surfaces of the associated plumbing fixtures were inspected for observable indications of chemical staining that would be indicative of the disposition of chemical substances via the bathroom plumbing. The fixture surfaces in the bathrooms did exhibit signs of chemical staining. The former land uses of the Site, the spill, and conditions of the poor housekeeping practices have created the potential for organic and inorganic contaminants. In addition the lack of documentation available for review regarding the previous filling station and possible installation of second generation gasoline underground storage tanks also represent *recognized environmental condition*. Accordingly, a ground penetrating radar survey is recommended to locate any former underground structures (i.e. USTs, drywells, cesspools) associated with the former on-site operations. Further, a limited subsurface investigation is recommended to determine if the environmental quality of the Site has been adversely impacted by former on-site activities.
2. Review of historical sanborn maps revealed that the Site (1501 West Farms Road a/k/a 1508 Boone Avenue) was auto body in 1989 and a manufacturing plant/ iron works since 1977. The Site is presently a steel manufacture. The ground surfaces of the Site were observed and inspected for indications of chemical staining. The surfaces did exhibit signs of chemical staining. The chemical storage observed in the building should be properly maintained and stored in proper containers in accordance with all applicable rules and regulations. The northeastern driveway of the Site contained two drains in the location of the former auto body shop. The Site also exhibited heavy chemical storage (several five-gallon drums) and poor housekeeping practices. The former land uses of the Site and conditions of the poor housekeeping practices have created the potential for organic and inorganic contaminants. Accordingly, a limited subsurface investigation is recommended to determine if the environmental quality of the Site has been adversely impacted by former on-site activities.
3. Several off-site confirmed or potential contamination sources were identified to exist within the ASTM search radius. However, according to the USEPA Small Business Liability Protection Act indicates that "a person that owns real property that is contiguous to or otherwise similarly situated with respect to, and that is or may be contaminated by a release or threatened release of a hazardous substance from, real property that is not owned by that person shall not be considered to be an owner or operator of a vessel or facility under paragraph (1) or (2) of subsection (a) solely by reason of the contamination if— "(i) the person did not cause, contribute, or consent to the release or threatened release; "(ii) the person is not— "(I) potentially liable, or affiliated with any other person that is

potentially liable, for response costs at a facility through any direct or indirect familial relationship or any contractual, corporate, or financial relationship (other than a contractual, corporate, or financial relationship that is created by a contract for the sale of goods or services); or "(II) the result of a reorganization of a business entity that was potentially liable; "the person takes reasonable steps to "(I) stop any continuing release; "(II) prevent any threatened future release; and prevent or limit human, environmental, or natural resource exposure to any hazardous substance released on or from property owned by that person; "(iv) the person provides full cooperation, assistance, and access to persons that are authorized to conduct response actions or natural resource restoration at the vessel or facility from which there has been a release or threatened release (including the cooperation and access necessary for the installation, integrity, operation, and maintenance of any complete or partial response action or natural resource restoration at the vessel or facility); "(v) the person— "(I) is in compliance with any land use restrictions established or relied on in connection with the response action at the facility; and integrity of any institutional control employed in "(II) does not impede the effectiveness or connection with a response action; "(vi) the person is in compliance with any request for information or administrative subpoena issued by the President under this Act; "(vii) the person provides all legally required notices with respect to the discovery or release of any hazardous substances at the facility; and "at the time at which the person acquired the property, the person— "(I) conducted all appropriate inquiry within the meaning of section 101(35)(B) with respect to the property; and "(II) did not know or have reason to know that the property was or could be contaminated by a release or threatened release of one or more hazardous substances from other real property not owned or operated by the person." Accordingly, additional Phase II activities are recommended to identify any potential contamination on the Site that may be acting as a contributing source to the underlying groundwater contamination; and determine what, if any, impacts to groundwater quality on the Site have occurred resulting from the above referenced off-site sources.

4. Several off-site confirmed or potential contamination sources were identified to exist within the ASTM search radius. The need for the above-recommended on-site investigative activities is further supported by the presence of these sources.

#### **8.4 Recommended Remedial Activities**

1. 1481 West Farms Road - Suspected friable asbestos containing pipe wrap was noted in the building boiler room on the furnace, its associated pipe work (elbow joints and approximately 50 linear feet of pipe wrap), and the hot water heaters. Based on the age of the structures, the potential exists for further asbestos containing materials in the construction materials of said structure. All asbestos containing materials must be disposed of in accordance with all applicable rules and regulations. Any

damaged areas should be properly abated. Additionally, it is recommended that an Operations and Maintenance (O&M) Plan be implemented to manage any remaining asbestos containing materials in the buildings.

2. 1493 West Farms Road - Suspected friable asbestos containing pipe wrap was noted in the building boiler room on the furnace, its associated pipe work (elbow joints and approximately 50 linear feet of pipe wrap), and the hot water heaters. Based on the age of the structures, the potential exists for further asbestos containing materials in the construction materials of said structure. All asbestos containing materials must be disposed of in accordance with all applicable rules and regulations. Any damaged areas should be properly abated. Additionally, it is recommended that an Operations and Maintenance (O&M) Plan be implemented to manage any remaining asbestos containing materials in the buildings.
3. All debris observed on the Sites should be removed from the premises and disposed of in accordance with the New York State solid waste regulations (6 NYCRR Part 360).

#### **8.5 Recommended Compliance Activities**

1. 1481 West Farms Road - The inspection also revealed heavy disposal of fluorescent bulbs. Used fluorescent bulbs are defined as "spent materials" under the existing Federal regulations. If this spent material exhibits any of the hazardous characteristics identified in 40 CFR Part 261, this spent material may also be considered a hazardous waste. The destruction of fluorescent bulbs on Site should stop immediately and should be disposed of in accordance with all applicable rules and regulations.
2. Sanborn maps revealed several historic structures on the Sites. Should redevelopment occur a ground penetrating radar survey is recommended to locate any potential underground structures (i.e. USTs, drywells, cesspools) associated with the former on-site buildings.
3. Should the building be renovated or demolished in the future, full lead and asbestos surveys should be conducted prior to the initiation of any work.
4. Documentation regarding the proper disposal of regulated wastes should be maintained on-site for periodic review.

## 9 CONCLUSIONS

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This report has been prepared for the sole benefit of Allied West Farms (NY LLC). The report may not be relied upon by any other person or entity without the express written consent of Impact Environmental and Allied West Farms (NY LLC). Where applicable, the assessment included a thorough visual inspection of the property, the examination of reasonably ascertainable records concerning the current and prior uses of the Sites, and interviews with the current owners and/or operators of the Sites. The findings presented in this site assessment are based on data obtained under the scope of this investigation. The conclusions represent the professional judgment of qualified Impact Environmental staff members using available information.

Impact Environmental has performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E 1527-05 of Multiple Sites, Bronx, New York, the Sites. Any exceptions to, or deletions from, this practice are described in Section 2.2 of this report. This assessment has revealed evidence of recognized environmental conditions associated with the Sites (see Recommended Phase II ESA Activities in Section 8.3). Accordingly, additional activities are recommended to define and enhance the environmental quality of the Sites.

I certify that this assessment was performed under my direction and supervision, that I have reviewed and approved the report, and that the methods and procedures employed in the development of the report conform to industry standards. I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in §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 Site. I have developed and performed the all appropriate inquires in conformance with the standards and practices set forth in 40 CFR part 312.

### IMPACT ENVIRONMENTAL

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Kevin Kleaka  
*Environmental Professional*

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Christopher O'Leary  
*Environmental Biologist*

## 10 REFERENCES

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1. The Basic Guide to Environmental Inspections. Environmental Assessment Association, undated.
2. EPA's Map of Radon Zones, New York. Air and Radiation Division, United States Environmental Protection Agency, September, 1993.
3. Feasibility Study For Use of the Brooklyn Queens Aquifer as an Additional Potable Water Supply. Malcolm Pirnie, Inc., White Plains, New York, March 1999.
4. Long Island Region Water Resources Management Study. Division of Water, New York State Department of Environmental Conservation, March, 1988.
5. Sanborn Fire Insurance Maps From the Sanborn Map Company Archives. Us Library of Congress.
6. Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process: ASTM Designation E 1527 - 05. The American Society for Testing and Materials, West Conshohocken, Pennsylvania, November 2006.
7. E 2091 Guide for Use of Activity and Use Limitations, Including Institutional and Engineering Controls  
Federal Statutes: Comprehensive Environmental Response, Compensation, and Liability Act of 1980  
(“CERCLA” or “Superfund”), as amended by Superfund Amendments and Reauthorization
8. Act of 1986 (“SARA”) and Small Business Liability Relief and Brownfields Revitalization Act of 2002  
(“Brownfields Amendments”), 42 U.S.C. §§9601 *et seq.*
9. Emergency Planning and Community Right-To-Know Act of 1986 (“EPCRA”), 42 U.S.C. §§11001 *et seq.*
10. Freedom of Information Act, 5 U.S.C. §552, as amended by Public Law No. 104-231, 110 Stat. 3048
11. Resource Conservation and Recovery Act as amended (“RCRA”), 42 U.S.C §6901 *et seq.*
12. “All Appropriate Inquiry” Final Rule, 40 C.F.R. Part 312
13. Chapter 1 EPA, Subchapter J-Superfund, Emergency Planning, and Community Right-To-Know Programs, 40 C.F.R Parts 300-399
14. National Oil and Hazardous Substances Pollution Contingency Plan, 40 C.F.R. Part 300
15. OSHA Hazard Communication Regulation, 29 C.F.R. §1910.1200

## 11 DISCLAIMER

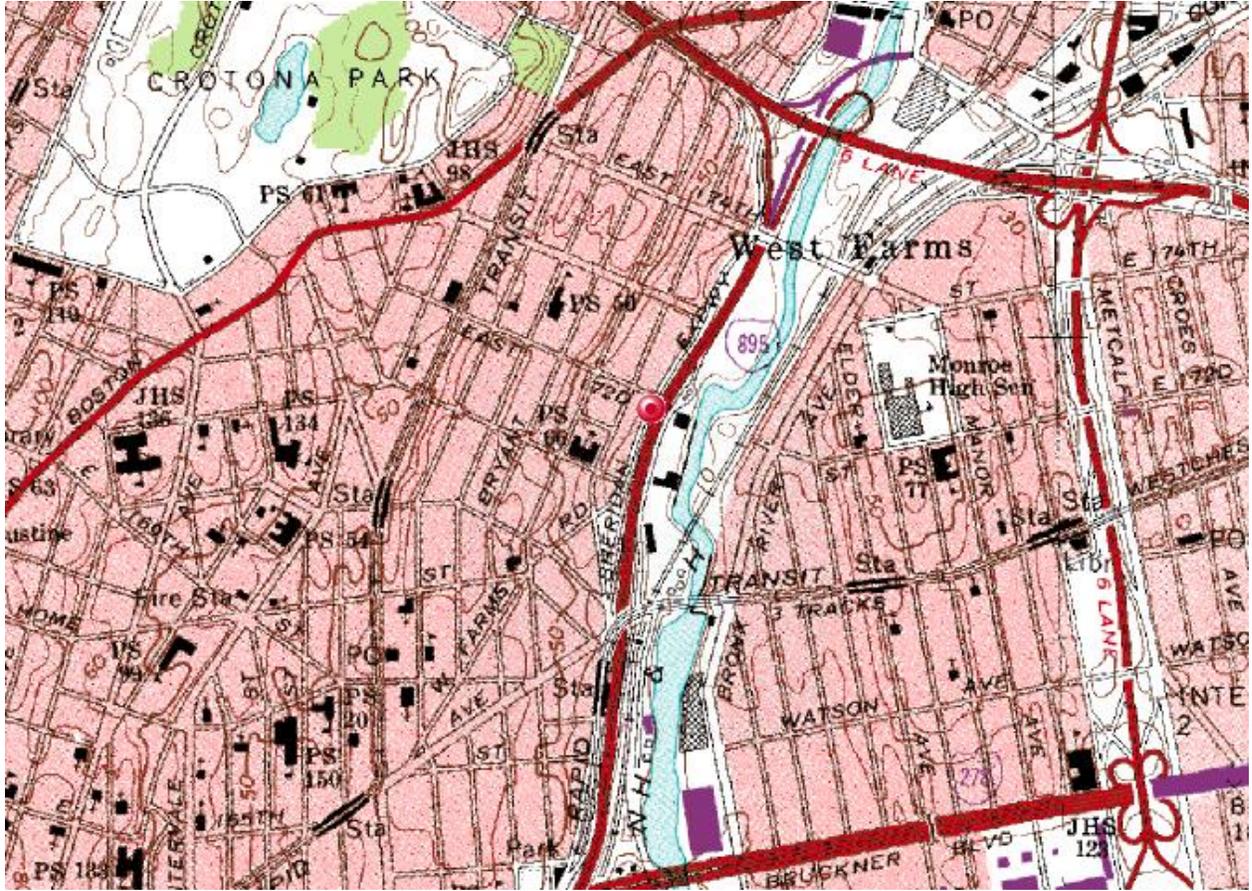
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The purpose of this investigation was to identify potential sources of contamination at the Site, and to satisfy the all appropriate inquiry standard set forth by CERCLA liability and establishing innocent landowner, contiguous property owner, or bona fide prospective purchaser (also referred to as "land owner liability protections" or "LLPs") and the Brownfield Revitalization and Brownfield Act. The findings and conclusions set forth in this report are based upon information that was available to Impact Environmental during its inspection of the property. If new information becomes available concerning the property after this date, or if the property is used in the future in a manner other than that which is identified in this report, the findings and conclusions contained herein may have to be modified. Additionally, while this investigation was performed in accordance with good commercial and customary practice and generally accepted protocols within the consulting industry, Impact Environmental can not guarantee that the property is completely free of hazardous substances or other materials or conditions that could subject the Client to potential liability. The presence or absence of any such condition can only be confirmed through the collection and analysis of soil and groundwater samples, which was beyond the scope of this investigation.

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Environmental Site Assessment

Plate 1: Site Location Map

Site Topographic Map  
Bronx, New York



**CONTOUR INTERVAL 10 FEET**

DASHED LINES REPRESENT 5 - FOOT CONTOURS  
DATUM IS MEAN SEA LEVEL  
DEPTH CURVES AND SOUNDINGS IN FEET - DATUM IS MEAN LOW WATER

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Appendices

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Appendix A  
Site Photos

## PHOTO LOG

- Photo 1:** View of the automotive repair shop at 1471 West Farms Road.
- Photo 2:** View of the parking lot of 1471 West Farms Road.
- Photo 3:** View of the automotive lifts inside the shop at 1471 West Farms Road.
- Photo 4:** View of ceiling suspended gas fired space heaters at 1471 West Farms Road.
- Photo 5:** View of drums with unknown contents at 1471 West Farms Road.
- Photo 6:** View of the staining on the floor of the automotive shop at 1471 West Farms Road.
- Photo 7:** View of the bathroom fixtures exhibiting stains at 1471 West Farms Road.
- Photo 8:** View of the residential property at 1481 West Farms Road.
- Photo 9:** View of the asbestos in the basement of 1481 West Farms Road.
- Photo 10:** View of the natural gas service apparatus located in the basement of 1481 West Farms Road.
- Photo 11:** View of the drums containing fluorescent bulbs outside 1481 West Farms Road.
- Photo 12:** View of the storage of fluorescent bulbs outside 1481 West Farms Road.
- Photo 13:** View of the residential property at 1493 Boone Avenue.
- Photo 14:** View of the fill pipe for fuel oil at 1493 Boone Avenue
- Photo 15:** View of one of the ASTs in the basement of 1493 Boone Avenue.
- Photo 16:** View of the steel manufacture at 1501 West Farms Road.
- Photo 17:** View of several 5-gallon drums inside the building at 1501 West Farms Road.
- Photo 18:** View of ceiling suspended gas fired space heaters at 1501 West Farms Road.
- Photo 19:** View of the drains in the driveway of 1501 West Farms Road.

**Photo 20:** View of the gas cylinder tanks at 1501 West Farms Road.

**Photo 21:** View of water build-up behind the building at 1501 West Farms Road.

**Photo 22:** View of the debris behind the building at 1501 West Farms Road.

**Photo 23:** View of the Sites from the northwestern corner of Boone Avenue and East 172<sup>nd</sup> Street towards the east.

**Photo 24:** View of the Sites from the northwestern corner of Boone Avenue and East 172<sup>nd</sup> Street towards the south.

**Photo 25:** View of the residential properties beyond Boone Avenue to the west of the Sites.

**Photo 26:** View of the storage lot to the north of the Sites beyond East 172<sup>nd</sup> Street.

**Photo 27:** View of the Sites from the northeastern corner of East 172<sup>nd</sup> Street and West Farms Road towards the south.

**Photo 28:** View of building contiguous with the southern border of the Sites.

# Photographic Log

Photograph #1



Photograph #2



Photograph #3



Photograph #4



Photograph #5



Photograph #6



Note: These photographs have not been altered or retouched in any way unless specifically stated otherwise

# Photographic Log

Photograph #7



Photograph #8



Photograph #9



Photograph #10



Photograph #11



Photograph #12



Note: These photographs have not been altered or retouched in any way unless specifically stated otherwise

# Photographic Log

Photograph #13



Photograph #14



Photograph #15



Photograph #16



Photograph #17



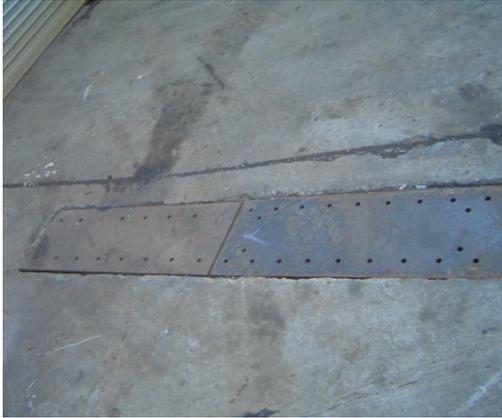
Photograph #18



Note: These photographs have not been altered or retouched in any way unless specifically stated otherwise

# Photographic Log

Photograph #19



Photograph #20



Photograph #21



Photograph #22



Photograph #23



Photograph #24



Note: These photographs have not been altered or retouched in any way unless specifically stated otherwise

# Photographic Log

Photograph #25



Photograph #26



Photograph #27



Photograph #28



Note: These photographs have not been altered or retouched in any way unless specifically stated otherwise

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Environmental Site Assessment

Appendix B  
Interview Documentation



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Manhattan | 1560 Broadway, 10th Floor, Suite 1024 | New York, NY 10036 | Tel: 212.201.7905 Fax: 212.201.7906

[www.impactenvironmental.com](http://www.impactenvironmental.com)

## **PHASE I QUESTIONNAIRE**

In order to qualify for one of the *Landowner Liability Protections (LLPs)*<sup>35</sup> offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001 (the "*Brownfields Amendments*")<sup>36</sup>, the *user* must provide the following information (if available) to the *environmental professional*. Failure to provide this information could result in a determination that "*all appropriate inquiry*" is not complete.

In addition, certain information should be collected, if available, and provided to the *environmental professional* selected to conduct the Phase I. This information is intended to assist the *environmental professional* but is not necessarily required to qualify for one of the *LLPs*. The information includes:

1. Why is the Phase I required?

Acquisition

2. What type of Site and type of Site transaction? (i.e. sale, purchase, exchange, etc.)

Purchase

3. What is the complete and correct address for the Site? (a map or other documentation showing Site location and boundaries is helpful).

Already provided

4. Are there any other scope of services desired for the Phase I beyond the requirements of Practice E 1527 are to be considered?

Already discussed

5. What are future plans for the Site? (remain as is, demolition, construction, etc) If development changes are to be completed please include a site plan/survey

No change of use. Possible development in future

6. Identification of all parties who will rely on the Phase I report..

Buyer

7. Identification of the site contact and how the contact can be reached.

8. Are there any environmental cleanup liens against the Site that are filed or recorded under federal, tribal, state or local law?

Not to our knowledge

9. Are there any activity and use limitations (AULs), such as engineering controls, land use restrictions or institutional controls that are in place at the site and/or have been filed or recorded in a registry under federal, tribal, state or local law?

Not to our knowledge

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

No.

11. Does the purchase price being paid for this Site reasonably reflect the fair market value of the Site? If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the Site?

Yes.

12. Is there any commonly known or reasonably ascertainable information about the Site that would help the environmental professional to identify conditions indicative of releases or threatened releases? For example, as user,

(a.) Do you know the past uses of the Site?

Only current use

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

No.

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

Data provided.

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

Data provided

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

No.

14. Any special terms and conditions which must be agreed upon by the environmental professional?

No.

15. Any other knowledge or experience with the Site that may be pertinent to the environmental professional

Examples including but not limited to:

Site plans, site maps, site surveys, environmental site assessment/compliance reports, permits, registration and/or removal documents for tanks (AST/UST), disposal records, chemical storage records, letters from regulatory agencies, e-designations, etc

16. Additional information?

All information has been provided.

Signature: 

Date: 1/16/2007

Title: Member

<sup>35</sup> *Landowner Liability Protections, or LLPs*, is the term used to describe the three types of potential defenses to Superfund liability in EPA's *Interim Guidance Regarding Criteria Landowners Must Meet in Order to Qualify for Bona Fide Prospective Purchaser, Contiguous Site Owner, or Innocent Landowner Limitations on CERCLA Liability* ("Common Elements" Guide) issued on March 6, 2003.

<sup>36</sup> P.L. 107-118.

**Impact Environmental**  
Environmental Site Assessment

Appendix C  
Environmental Regulatory Database Review / Search

# *Toxics Targeting Environmental Report*

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**1493 Boone Avenue  
Bronx, NY 10460**

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*January 11, 2007*

## **LIMITED WARRANTY AND DISCLAIMER OF LIABILITY**

### **Who is Covered**

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

### **What is Warranted**

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

### **What We Will Do**

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

### **What We Won't Cover**

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

### **Period of Warranty**

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

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

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## ***Introduction***

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

1. ***Maps*** the approximate locations of selected government-reported toxic sites identified on or near a specified target address.
2. ***Estimates*** the distance and direction between the target address and each identified toxic site.
3. ***Reports*** air and water permit non-compliance and other regulatory violations.
4. ***Profiles*** some aspects of the usage, manufacture, storage, handling, transport or disposal of toxic chemicals at individual sites.
5. ***Summarizes*** some potential health effect information and drinking water standards for selected chemicals reported at individual sites.

## ***The Three Sections Of Your Report***

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

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

The third section of the report contains appendices that identify: **1)** On-site tank data provided by the NYC Fire Marshall, **2)** on-site spills reported to the national Emergency Response Notification System (ERNS), **3)** various toxic sites that cannot be mapped due to incomplete or erroneous addresses or other mapping problems, **4)** codes that characterize hazardous wastes reported at various facilities, **5)** methods used to map toxic sites identified in your report and **6)** information sources used in your report.

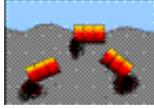
## ***How to Use Your Report***

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

# Toxic Site Databases Analyzed In Your Report

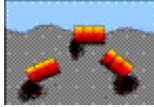
## Search Radius

One-Mile



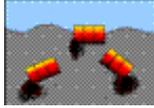
1) **National Priority List for Federal Superfund Cleanup**: a listing of sites known to pose environmental or health hazards that are being investigated or cleaned up under the Federal Superfund program.

Half-Mile



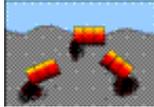
2) **Delisted National Priority List Sites**: a listing of NPL sites that have been removed from the National Priority List.

One-Mile



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

One-Mile



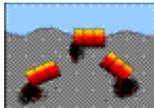
4) **New York Inactive Hazardous Waste Disposal Site Registry Qualifying**: a state listing of sites that qualify for possible inclusion to the NYDEC Inactive Haz. Waste Disposal Site Registry.

One-Mile



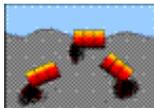
5) **RCRA Corrective Action Activity (CORRACTS)**: waste facilities with RCRA corrective action activity reported by the USEPA.

Half-Mile



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

Half-Mile



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

Half-Mile



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

Half-Mile



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

Half-Mile



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

Half-Mile



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

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

Half-Mile



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

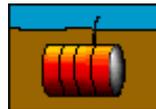
- Tank Failures
- Tank Test Failures
- Unknown Spill Cause or Other Spill Causes
- Miscellaneous Spill Causes

Eighth-Mile



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

Eighth-Mile



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

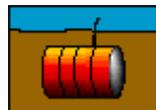
Eighth-Mile



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

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

Eighth-Mile



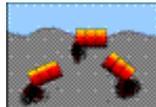
16) **New York Chemical Bulk Storage Facilities:** sites storing hazardous substances listed in 6 NYCRR Part 597 in aboveground tanks with capacities of 185 gallons or more and/or underground tanks of any size

Eighth-Mile



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

Half-Mile



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

Eighth-Mile



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

Eighth-Mile



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

Eighth-Mile



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

Eighth-Mile



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

On-site only  
(250 ft)



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

Property only



24) ***New York City Fire Marshall Tanks:*** tank data.

Property only



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

## *Limitations Of The Information In Your Report*

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

*Toxics Targeting* tries to ensure that the information in your report is presented accurately and with minimal alteration. The only systematic changes that are made correct obvious address errors in order to allow sites to be mapped. Any address changes that are made are noted in the map information section at the top of each corresponding *Toxic Site Profile*. Since the information presented in your report is not edited, please be aware that it can contain reporting errors or typographical mistakes made by the site owners/operators or government agencies that produced the information. Please be aware of some other limitations of the information in your report:

- The map used by *Toxics Targeting* is the same one used by the U. S. Census. While the map is generally accurate, no map is perfect. In addition, *Toxics Targeting's* mapping methods estimate where toxic site addresses are located if the address is not specifically designated on the Census map. **FOR THESE REASONS, ALL MAP LOCATIONS OF ADDRESSES AND REPORTED TOXIC SITES SHOULD BE CONSIDERED APPROXIMATE AND SHOULD BE VERIFIED BY ON-SITE VISITS;**
- **UNDISCOVERED, UNREPORTED OR UNMAPPABLE TOXIC SITES MIGHT NOT BE IDENTIFIED BY THIS REPORT'S CHECK OF 25 TOXIC SITE CATEGORIES. TOXIC SITES REPORTED IN OTHER GOVERNMENT DATABASES MIGHT ALSO EXIST. FOR THESE REASONS, YOUR REPORT MIGHT NOT IDENTIFY ALL THE TOXIC SITES THAT EXIST IN THE AREA IT SEARCHES;**
- The appendix of your report contains a listing of sites that could not be mapped due to incomplete or erroneous address information or other mapping problems. This listing includes unmappable toxic sites in zip code areas within one mile of the target address as well as toxic sites without zip codes reported in the same county. **IF YOU WOULD LIKE INFORMATION ON ANY OF THE LISTED SITES, PLEASE CONTACT TOXICS TARGETING AND REFER TO THE SITE ID NUMBER.**
- Some toxic sites identified in your report may be classified as **known hazards**. Most of the toxic sites identified in your report involve **potential hazards** related to the on-site use, manufacture, handling, storage, transport or disposal of toxic chemicals. Some of the toxic sites identified in your report may be the addresses of parties responsible for toxic sites located elsewhere. **YOU SHOULD ONLY CONCLUDE THAT TOXIC HAZARDS ACTUALLY EXIST AT A SPECIFIC SITE WHEN GOVERNMENT AUTHORITIES MAKE THAT DETERMINATION OR WHEN THAT CONCLUSION IS FULLY DOCUMENTED BY THE FINDINGS OF AN APPROPRIATE SITE INVESTIGATION UNDERTAKEN BY LICENSED PROFESSIONALS;**
- Compass directions and distances are approximate. Compass directions are calculated from the subject property address to the mapped location of each identified toxic site. The compass direction does not necessarily refer to the closest property boundary of an identified toxic site. The compass direction also can vary substantially for toxic sites that are located very close to the subject property address.
- The information presented in your report is a summary of the information that *Toxics Targeting* obtains from government agencies on reported toxic sites. **YOU MAY BE ABLE TO OBTAIN ADDITIONAL INFORMATION ABOUT REPORTED SITES WITH THE FREEDOM OF INFORMATION REQUEST FORM LETTERS THAT ARE PROVIDED ON THE INSIDE OF THE BACK COVER.**

# Section One:

## Report Summary

- *Table One: Number of Identified Toxic Sites By Distance Interval*
- *Table Two: Identified Toxic Sites By Direction*
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- *Map One: One-Mile Radius Map*
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- *Map Five: Tax Parcel Map*
- *Table Five: Tax Parcel Map Information Table*

**NUMBER OF IDENTIFIED SITES BY DISTANCE INTERVAL**

Database Searched	0 - 100 ft	100 ft - 1/8 mi	1/8 mi - 1/4 mi	1/4 mi - 1/2 mi	1/2 mi - 1 mi	Site Category Totals
<b>ASTM-Required 1 Mile Search</b>						
National Priority List (NPL) Sites	0	0	0	0	0	0
NYS Inactive Hazardous Waste Disposal Site Registry	0	0	0	0	0	0
NYS Inactive Haz Waste Disposal Site Registry Qualifying	0	0	0	0	0	0
RCRA Corrective Action (CORRACTS) Sites	0	0	0	0	0	0
<b>ASTM-Required 1/2 Mile Search</b>						
Delisted National Priority List (NPL) Sites	0	0	0	0	Not searched	0
CERCLIS Superfund Non-NFRAP Sites	0	0	0	0	Not searched	0
CERCLIS Superfund NFRAP Sites	0	0	0	0	Not searched	0
<b>Brownfields Sites</b>						
Voluntary Cleanup Program	0	0	1	0	Not searched	1
Environmental Restoration Program	0	0	0	0	Not searched	0
Brownfield Cleanup Program	0	0	0	0	Not searched	0
Solid Waste Facilities - NYSDEC Solid Waste Landfills	0	0	0	0	Not searched	0
RCRA Hazardous Waste Treatment, Storage, Disposal Sites	0	0	0	0	Not searched	0
<b>NYS Toxic Spills</b>						
Active Tank Failures	0	0	0	3	Not searched	3
Active Tank Test Failures	0	0	0	3	Not searched	3
Active Spills - Unknown / Other Causes	0	0	1	5	Not searched	6
Active Spills - Miscellaneous Causes	0	0	0(2)	1(17)	Not searched	1(19)
Closed Tank Failures	0	0	2	4	Not searched	6
Closed Tank Test Failures	0	0	0	8	Not searched	8
Closed Spills - Unknown / Other Causes	1	0	12	42	Not searched	55
Closed Spills - Miscellaneous Causes	1	1	0(8)	8(55)	Not searched	10(63)
<b>ASTM-Required Property &amp; Adjacent Property (1/8 Mile Search)</b>						
NYS Major Oil Storage Facilities	0	0	Not searched	Not searched	Not searched	0
Local & State Petroleum Bulk Storage Sites	1	8	Not searched	Not searched	Not searched	9
RCRA Hazardous Waste Generators & Transporters	1	1	Not searched	Not searched	Not searched	2
NYS Chemical Bulk Storage Sites	0	0	Not searched	Not searched	Not searched	0
Historic Utility Facilities	0	0	Not searched	Not searched	Not searched	0
<b>ASTM-Required On-Site Only Search</b>						
NYC Environmental Quality Review Requirements ("E") Sites*	0	0	Not searched	Not searched	Not searched	0
Emergency Response Notification System (ERNS)	0	Not searched	Not searched	Not searched	Not searched	0
NYC Fire Marshall Tank Sites	0	Not searched	Not searched	Not searched	Not searched	0
Institutional Controls / Engineering Controls (IC/EC)	See databases for NPL, CERCLIS, Inactive Hazardous Waste Disposal Site Registry and Brownfield Sites.					
<b>ASTM-Required Databases Distance Interval Totals</b>	<b>4</b>	<b>10</b>	<b>16(10)</b>	<b>74(72)</b>	<b>0</b>	<b>104(82)</b>

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

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

NOTE: Table continues on next page.

**Non-ASTM Databases 1/2 Mile Search**

Solid Waste Facilities - 1934 NYC Municipal Waste Landfills	0	0	0	0	Not searched	0
Hazardous Substance Waste Disposal Sites	0	0	0	0	Not searched	0

**Non-ASTM Databases 1/8 Mile Search**

Toxic Release Inventory Sites (TRI)	0	0	Not searched	Not searched	Not searched	0
Permit Compliance System (PCS) Toxic Wastewater Discharges	0	0	Not searched	Not searched	Not searched	0
Air Discharges	0	0	Not searched	Not searched	Not searched	0
Civil & Administrative Enforcement Docket Facilities	0	1	Not searched	Not searched	Not searched	1

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<b>Non-ASTM Databases Distance Interval Totals</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>Not Searched</b>	<b>1</b>
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<b><i>Distance Interval Totals</i></b>	<b><i>4</i></b>	<b><i>11</i></b>	<b><i>16(10)</i></b>	<b><i>74(72)</i></b>	<b><i>0</i></b>	<b><i>105(82)</i></b>
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Numbers in ( ) indicate spills not mapped and profiled in this report, and are listed at the end of the active and closed spills sections. See these lists for a description of the parameters involved with identifying these spills.

# Identified Toxic Sites by Direction

1493 Boone Avenue  
Bronx, NY 10460

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

## Sites less than 100 feet from subject property sorted by distance

Map Id#	Site Name	Site Street	Approximate Distance & Direction From Property	Toxic Site Category
29	MANHOLE #26176	1471 W FARMS RD	88 feet to the SSW*	Closed Status Spill (Unk/Other Cause)
84	ABANDONED SERVICE STATION	1471 WEST FARM RD	88 feet to the SSW*	Closed Status Spill (Misc. Spill Cause)
94	J & L AUTO SEV	1471 W FARMS RD	88 feet to the SSW*	Petroleum Bulk Storage Site
103	ESTATE OF LOUIS ROMANO	1471 W FARMS RD	94 feet to the SSW*	Hazardous Waste Generator/Transporter

## Sites between 100 ft and 660 ft from the subject property sorted by direction and distance

Map Id#	Site Name	Site Street	Approximate Distance & Direction From Property	Toxic Site Category
102	1563 BOONE AVE	1563 BOONE AVENUE	645 feet to the NNE	Petroleum Bulk Storage Site
99	MARINE BOILER & WELDING INC	1428 SHERIDAN AVE	539 feet to the SSE	Petroleum Bulk Storage Site
100	NYSDOT - D258767	SHERIDAN EXPRESSWAY (SB) @ JENNINGS ST.	540 feet to the S	Petroleum Bulk Storage Site
104	NEW YORK CITY B O E	PS-66	382 feet to the SW	Hazardous Waste Generator/Transporter
105	NYC BD OF ED - PS 66	1001 JENNINGS STREET	337 feet to the WSW	Civil & Admin. Enforcement Docket Site
98	PUBLIC SCHOOL 66 - BRONX (X066)	1001 JENNINGS STREET	350 feet to the WSW	Petroleum Bulk Storage Site
101	CINCOL-BRYANT INC.	1468 BRYANT AVENUE	589 feet to the W	Petroleum Bulk Storage Site
95	MRC/754 E 161ST HDFC	1500 LONGFELLOW AVE.	268 feet to the WNW	Petroleum Bulk Storage Site
96	MRC/754 E 161ST ST HDFC	1504 LONGFELLOW AVE.	273 feet to the WNW	Petroleum Bulk Storage Site
97	MRC/754 E 161ST ST HDFC	1496 LONGFELLOW AVE.	306 feet to the WNW	Petroleum Bulk Storage Site
85	1498 BRYANT AVE	1498 BRYANT AVE	530 feet to the WNW	Closed Status Spill (Misc. Spill Cause)

## Sites equal to or greater than 660 ft from subject property sorted by direction and distance

Map Id#	Site Name	Site Street	Approximate Distance & Direction From Property	Toxic Site Category
5	MURPHY CONSOLIDATED -NYCHA	1705 BRYANT AVE	1449 feet to the N	Active Tank Test Failure
62	NEW HORIZON RETAIL CENTER	971 EAST 174TH ST	2150 feet to the N	Closed Status Spill (Unk/Other Cause)
20	1797 VYSE AVE	1797 VYSE AV	2241 feet to the N	Closed Status Tank Failure
92	NYCT	1801 BOSTN RD / E 175 ST	2465 feet to the N	Closed Status Spill (Misc. Spill Cause)
24	18-30 SOUTHERN BLVD	18-30 SOUTHERN BLVD	2540 feet to the N	Closed Status Tank Test Failure

8	UNDERGROUND TRANSFORMER	1565 WEST FARMS RD	678 feet to the NNE	Active Haz Spill (Unknown/Other Cause)
15	PRG PACKING	1560 BOONE AVE	678 feet to the NNE	Closed Status Tank Failure
46	GETTY #276	1720 BOONE AVE	1428 feet to the NNE	Closed Status Spill (Unk/Other Cause)
52	1787 WEST FARMS ROAD	1787 W. FARMS ROAD	1778 feet to the NNE	Closed Status Spill (Unk/Other Cause)
53	BRONX EAST A DOS -DDC	1787 WEST FARMS ROAD	1778 feet to the NNE	Closed Status Spill (Unk/Other Cause)
54	BRONX EAST A DOS -DDC	1787 WEST FARMS ROAD	1778 feet to the NNE	Closed Status Spill (Unk/Other Cause)
91	CROSS BX EPWY/SHERIDAN EX	CROSS BX EXPWY/SHERIDAN E	2396 feet to the NNE	Closed Status Spill (Misc. Spill Cause)
32	0940 (TRANFORMER MANHOLE)	E 173 ST & W FARMS RD	870 feet to the NE	Closed Status Spill (Unk/Other Cause)
33	MANHOLE 27283	W FARM RD/E 173 RD ST	870 feet to the NE	Closed Status Spill (Unk/Other Cause)
34	STARLIGHT PARK	SHERIDAN EXPWY (E. 173RD)	878 feet to the NE	Closed Status Spill (Unk/Other Cause)
1	CE - E. 173RD ST. - BRONX WORKS	WEST FARMS RD.& BRONX RIVER	830 feet to the ENE	Brownfields Site
19	TANK LEAK IN REAR YARD	1347 BOYNTON AVE	1651 feet to the ENE	Closed Status Tank Failure
88	AMTRAK	174TH ST BRONX RIVER AVE	1914 feet to the ENE	Closed Status Spill (Misc. Spill Cause)
25	CLOSED-LACKOF RECENT INFO	1372 STRAFFORD AVE.	2561 feet to the ENE	Closed Status Tank Test Failure
77		1372 STRATFORD AVE	2561 feet to the ENE	Closed Status Spill (Unk/Other Cause)
26	BRONX RIVER HOUSES -NYCHA	1575 EAST 174TH STREET	2570 feet to the ENE	Closed Status Tank Test Failure
27	BRONX RIVER HOUSES -NYCHA	1575 EAST 174TH STREET	2570 feet to the ENE	Closed Status Tank Test Failure
79	BRONX RIVER HOUSING	1575 E. 174TH ST	2570 feet to the ENE	Closed Status Spill (Unk/Other Cause)
93	BRONX RIVER HOUSES -NYCHA	1575 EAST 174TH STREET	2570 feet to the ENE	Closed Status Spill (Misc. Spill Cause)
17	GARCIA RESIDENCE	1316 WHEELER AVENUE	1335 feet to the E	Closed Status Tank Failure
67	MANHOLE 17911	MANOR AVE/E 172 STREET	2327 feet to the E	Closed Status Spill (Unk/Other Cause)
72	1589 EAST 172ND ST REALTY	1589 EAST 172ND ST	2479 feet to the E	Closed Status Spill (Unk/Other Cause)
76	REAR YARD 1255 STRATFORD	1255 STRATFORD AVE	2560 feet to the E	Closed Status Spill (Unk/Other Cause)
80	APARTMENT COMPLEX (IFO)	1340 STRATFORD AVE	2571 feet to the E	Closed Status Spill (Unk/Other Cause)
81	IN THE STREET IFO	1340 STRATFORD AV	2571 feet to the E	Closed Status Spill (Unk/Other Cause)
38	ON SIDEWALK	1259 EVERGREEN AVE	1176 feet to the ESE	Closed Status Spill (Unk/Other Cause)
51	1235 ELDER AV	1235 ELDER AV	1777 feet to the ESE	Closed Status Spill (Unk/Other Cause)
57	1233 ELDER AVE	1233 ELDER AVE	1792 feet to the ESE	Closed Status Spill (Unk/Other Cause)
58	BOYNTON AV BETWEEN	WESTCHESTER AV/E 172 ST	2043 feet to the ESE	Closed Status Spill (Unk/Other Cause)
66	MANHOLE #25696	E SIDE OF BOYNTON AVE	2319 feet to the ESE	Closed Status Spill (Unk/Other Cause)
90		1213 WARD AVE	2335 feet to the ESE	Closed Status Spill (Misc. Spill Cause)
7	CHASE BANK	1536 WESTCHESTER AVE	2339 feet to the ESE	Active Tank Test Failure
68	1211 WARD AVE	1211 WARD AVE	2352 feet to the ESE	Closed Status Spill (Unk/Other Cause)
70	ODOR	1544 WESTCHESTER AVENUE	2406 feet to the ESE	Closed Status Spill (Unk/Other Cause)
75	VAULT TM1244	WESTCHESTER AV & WARD AV	2528 feet to the ESE	Closed Status Spill (Unk/Other Cause)
37	THOMAS RES	1252 BRONX RIVER AVE	1153 feet to the SE	Closed Status Spill (Unk/Other Cause)
39	APEX SALES	1235 BRONX RIVER AVE	1182 feet to the SE	Closed Status Spill (Unk/Other Cause)
42	SERVICE BOX 2252	1230 COLGATE AV	1337 feet to the SE	Closed Status Spill (Unk/Other Cause)
47	NYC HUMAN RESOURCES	1209 COLGATE AVENUE	1489 feet to the SE	Closed Status Spill (Unk/Other Cause)
48	HUD HOUSING PROJECT	1209 COLGATE AVE	1489 feet to the SE	Closed Status Spill (Unk/Other Cause)
60	MANHOLE #19338	WESTCHESTER & ELDER AV	2118 feet to the SE	Closed Status Spill (Unk/Other Cause)
61	SB 19335	ELDER AVE/WESTCHESTER AV	2118 feet to the SE	Closed Status Spill (Unk/Other Cause)
14	1151 ELDER AVE	1151 ELDER AVE	2367 feet to the SE	Active Haz Spill (Misc. Spill Cause)
30	BRONX RIVER	EAST 172ND ST/WESTCHESTER	713 feet to the SSE	Closed Status Spill (Unk/Other Cause)
16	HUNTS POINT AUTO PARTS	1480 SHERDIAN EXPRESSWAY	816 feet to the SSE	Closed Status Tank Failure
44	BRONX RIVER	WESTCHESTER AVE	1392 feet to the SSE	Closed Status Spill (Unk/Other Cause)
18	GETTY SVC STATION	1441 WESTCHESTER AVE	1454 feet to the SSE	Closed Status Tank Failure

86	WESTCHESTER @ CLOSE AV/BX	WESTCHESTER AV @ CLOSE AV	1500 feet to the SSE	Closed Status Spill (Misc. Spill Cause)
6	GETTY S/S #268 - GETTY PROPERTIES	1185 BRONX RIVER AVE.	1677 feet to the SSE	Active Tank Test Failure
55	1170 BRONX RIVER AVE	1170 BRONX RIVER AVE	1781 feet to the SSE	Closed Status Spill (Unk/Other Cause)
12	BRONXDALE HOUSES -NYCHA	1471 WATSON AVE	2425 feet to the SSE	Active Haz Spill (Unknown/Other Cause)
23	BRONXDALE HOUSES -NYCHA	1471 WATSON AVE	2425 feet to the SSE	Closed Status Tank Test Failure
82	1472 WATSON AVE	1464 WATSON AVE	2620 feet to the SSE	Closed Status Spill (Unk/Other Cause)
50	STREET	HOME ST AND WESTCHESTER A	1656 feet to the S	Closed Status Spill (Unk/Other Cause)
36	MANHOLE 495	WEST FARM RD/ FREEDMAN ST	1144 feet to the SSW	Closed Status Spill (Unk/Other Cause)
40	MEDEX	1028 FREEMAN ST	1264 feet to the SSW	Closed Status Spill (Unk/Other Cause)
2	1275 WESTCHESTER AVE	1275 WESTCHESTER AVENUE	1728 feet to the SSW	Active Tank Failure
71	1151 EAST 165TH ST/BRONX	1151 EAST 165TH ST.	2430 feet to the SSW	Closed Status Spill (Unk/Other Cause)
78	RESIDENCE	1076 FAILE ST	2570 feet to the SSW	Closed Status Spill (Unk/Other Cause)
28	1106 HOE AVE	1106 HOE AVE	2635 feet to the SSW	Closed Status Tank Test Failure
83	1106 HOE AVE	1106 HOE AVE	2635 feet to the SSW	Closed Status Spill (Unk/Other Cause)
31	MANHOLE 17607	1431 LONGFELLOW AVE	855 feet to the SW	Closed Status Spill (Unk/Other Cause)
35		1406-8 BRYANT AVE	1133 feet to the SW	Closed Status Spill (Unk/Other Cause)
56	HOE ST. SEEPAGE	1206 HOE AVE.	1789 feet to the SW	Closed Status Spill (Unk/Other Cause)
22	CLOSED-LACKOF RECENT INFO	985 EAST 167TH STREET	2360 feet to the SW	Closed Status Tank Test Failure
9	COMMERCIAL PROPERTY	1301-1321 LEWIS NINE BLV	1830 feet to the WSW	Active Haz Spill (Unknown/Other Cause)
89	ON SOUTHERN BLVD	HOME ST AND FREEMAN ST	2043 feet to the WSW	Closed Status Spill (Misc. Spill Cause)
65	FREEMAN ST & INTERVALE	FREEMAN ST & INTERVALE AV	2306 feet to the WSW	Closed Status Spill (Unk/Other Cause)
41	RESIDENCE	1463 HOE AVE	1271 feet to the W	Closed Status Spill (Unk/Other Cause)
43	VAULT #1664	SOUTHERN BLVD	1383 feet to the W	Closed Status Spill (Unk/Other Cause)
4	JENNINGS ST & STEBBINS AV	JENNINGS ST / STEBBINS AV	2386 feet to the W	Active Tank Failure
69	STEBBINS ST & JENNINGS ST	STEBBINS ST / JENNINGS ST	2386 feet to the W	Closed Status Spill (Unk/Other Cause)
13	SOUTHEAST CORNER	E 170TH ST/STIBBENS AV	2483 feet to the W	Active Haz Spill (Unknown/Other Cause)
73	170TH ST	STEBBINS AV	2483 feet to the W	Closed Status Spill (Unk/Other Cause)
74		1389 STEBBINS AVE	2507 feet to the W	Closed Status Spill (Unk/Other Cause)
87	MINFORD PL & EAST 172ND ST	MINFORD PL / E 172ND ST	1698 feet to the WNW	Closed Status Spill (Misc. Spill Cause)
10	1624 BOSTON RD	1624 BOSTON RD	1909 feet to the NW	Active Haz Spill (Unknown/Other Cause)
3		1555 SEABURY PLACE	2074 feet to the NW	Active Tank Failure
45	MANHOLE 8157	173RD ST AND HOE AVE	1412 feet to the NNW	Closed Status Spill (Unk/Other Cause)
21	MADISON SQUARE BOYS & GIRLS CLUB HOUSE	1665 HOE AV	1566 feet to the NNW	Closed Status Tank Test Failure
49	MURPHY CONSOLIDATED -NYCHA	1700 HOE AVENUE	1630 feet to the NNW	Closed Status Spill (Unk/Other Cause)
59	URBAN HOMES	17-07/17-09 BOSTON ROAD	2099 feet to the NNW	Closed Status Spill (Unk/Other Cause)
63	RESIDENTIAL BLDG	1680 CORTONA PARK EAST	2218 feet to the NNW	Closed Status Spill (Unk/Other Cause)
64	1714 CROTRONA PARK EAST	1714 CROTRONA PARK EAST	2258 feet to the NNW	Closed Status Spill (Unk/Other Cause)
11	FORMER BP AMOCO STATION #60024	1776 SOUTHERN BOULEVARD	2269 feet to the NNW	Active Haz Spill (Unknown/Other Cause)

# Identified Toxic Sites by Category

1493 Boone Avenue  
Bronx, NY 10460

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

<b>Brownfields Sites -- Total Sites - 1</b>			<b>Database searched at 1/2 MILE - ASTM required search distance: 1/2 Mile</b>	
MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
1	V00552	CE - E. 173RD ST. - BRONX WORKS	WEST FARMS RD.& BRONX RIVER	830 feet to the ENE
<b>Active Tank Failures -- Total Sites - 3</b>			<b>Database searched at 1/2 MILE - ASTM required search distance: 1/2 Mile</b>	
MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
2	8905394	1275 WESTCHESTER AVE	1275 WESTCHESTER AVENUE	1728 feet to the SSW
3	0207061		1555 SEABURY PLACE	2074 feet to the NW
4	9403146	JENNINGS ST & STEBBINS AV	JENNINGS ST / STEBBINS AV	2386 feet to the W
<b>Active Tank Test Failures -- Total Sites - 3</b>			<b>Database searched at 1/2 MILE - ASTM required search distance: 1/2 Mile</b>	
MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
5	9811582	MURPHY CONSOLIDATED -NYCHA	1705 BRYANT AVE	1449 feet to the N
6	9209035	GETTY S/S #268 - GETTY PROPERTIES	1185 BRONX RIVER AVE.	1677 feet to the SSE
7	0402409	CHASE BANK	1536 WESTCHESTER AVE	2339 feet to the ESE
<b>Active Haz Spills (Unknown Causes &amp; Other Causes) -- Total Sites - 6</b>			<b>Database searched at 1/2 MILE - ASTM required search distance: 1/2 Mile</b>	
MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
8	9712148	UNDERGROUND TRANSFORMER	1565 WEST FARMS RD	678 feet to the NNE
9	0504741	COMMERCIAL PROPERTY	1301-1321 LEWIS NINE BLV	1830 feet to the WSW
10	9707749	1624 BOSTON RD	1624 BOSTON RD	1909 feet to the NW
11	0212264	FORMER BP AMOCO STATION #60024	1776 SOUTHERN BOULEVARD	2269 feet to the NNW
12	9711292	BRONXDALE HOUSES -NYCHA	1471 WATSON AVE	2425 feet to the SSE
13	0003855	SOUTHEAST CORNER	E 170TH ST/STIBBENS AV	2483 feet to the W
<b>Active Haz Spills (Miscellaneous Spill Causes) -- Total Sites - 1</b>			<b>Database searched at 1/2 MILE - ASTM required search distance: 1/2 Mile</b>	
MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
14	9300135	1151 ELDER AVE	1151 ELDER AVE	2367 feet to the SE
<b>Closed Status Tank Failures -- Total Sites - 6</b>			<b>Database searched at 1/2 MILE - ASTM required search distance: 1/2 Mile</b>	
MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
15	0307241	PRG PACKING	1560 BOONE AVE	678 feet to the NNE
16	9702732	HUNTS POINT AUTO PARTS	1480 SHERDIAN EXPRESSWAY	816 feet to the SSE
17	0413444	GARCIA RESIDENCE	1316 WHEELER AVENUE	1335 feet to the E
18	9504305	GETTY SVC STATION	1441 WESTCHESTER AVE	1454 feet to the SSE
19	0400237	TANK LEAK IN REAR YARD	1347 BOYNTON AVE	1651 feet to the ENE
20	0112238	1797 VYSE AVE	1797 VYSE AV	2241 feet to the N
<b>Closed Status Tank Test Failures -- Total Sites - 8</b>			<b>Database searched at 1/2 MILE - ASTM required search distance: 1/2 Mile</b>	
MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
21	0104700	MADISON SQUARE BOYS & GIRLS CLUB HOUSE	1665 HOE AV	1566 feet to the NNW
22	8704609	CLOSED-LACKOF RECENT INFO	985 EAST 167TH STREET	2360 feet to the SW
23	9006953	BRONXDALE HOUSES -NYCHA	1471 WATSON AVE	2425 feet to the SSE
24	8904473	18-30 SOUTHERN BLVD	18-30 SOUTHERN BLVD	2540 feet to the N
25	8704437	CLOSED-LACKOF RECENT INFO	1372 STRAFFORD AVE.	2561 feet to the ENE
26	9412464	BRONX RIVER HOUSES -NYCHA	1575 EAST 174TH STREET	2570 feet to the ENE
27	9411941	BRONX RIVER HOUSES -NYCHA	1575 EAST 174TH STREET	2570 feet to the ENE
28	9108166	1106 HOE AVE	1106 HOE AVE	2635 feet to the SSW

**Closed Status Spills (Unknown Causes & Other Causes) -- Total Sites - 55****Database searched at 1/2 MILE - ASTM required search distance: 1/2 Mile**

MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
29	9913455	MANHOLE #26176	1471 W FARMS RD	88 feet to the SSW*
30	9800775	BRONX RIVER	EAST 172ND ST/WESTCHESTER	713 feet to the SSE
31	0201783	MANHOLE 17607	1431 LONGFELLOW AVE	855 feet to the SW
32	0011553	0940 (TRANSFORMER MANHOLE)	E 173 ST & W FARMS RD	870 feet to the NE
33	0007945	MANHOLE 27283	W FARM RD/E 173 RD ST	870 feet to the NE
34	0305387	STARLIGHT PARK	SHERIDAN EXPWY (E. 173RD)	878 feet to the NE
35	0330022		1406-8 BRYANT AVE	1133 feet to the SW
36	9908693	MANHOLE 495	WEST FARM RD/ FREEDMAN ST	1144 feet to the SSW
37	9815456	THOMAS RES	1252 BRONX RIVER AVE	1153 feet to the SE
38	0313583	ON SIDEWALK	1259 EVERGREEN AVE	1176 feet to the ESE
39	0605983	APEX SALES	1235 BRONX RIVER AVE	1182 feet to the SE
40	0302597	MEDEX	1028 FREEMAN ST	1264 feet to the SSW
41	0512325	RESIDENCE	1463 HOE AVE	1271 feet to the W
42	9912859	SERVICE BOX 2252	1230 COLGATE AV	1337 feet to the SE
43	0504213	VAULT #1664	SOUTHERN BLVD	1383 feet to the W
44	0008407	BRONX RIVER	WESTCHESTER AVE	1392 feet to the SSE
45	0101819	MANHOLE 8157	173RD ST AND HOE AVE	1412 feet to the NNW
46	9709839	GETTY #276	1720 BOONE AVE	1428 feet to the NNE
47	9712845	NYC HUMAN RESOURCES	1209 COLGATE AVENUE	1489 feet to the SE
48	9704954	HUD HOUSING PROJECT	1209 COLGATE AVE	1489 feet to the SE
49	9008873	MURPHY CONSOLIDATED -NYCHA	1700 HOE AVENUE	1630 feet to the NNW
50	0310108	STREET	HOME ST AND WESTCHESTER A	1656 feet to the S
51	8805467	1235 ELDER AV	1235 ELDER AV	1777 feet to the ESE
52	9501349	1787 WEST FARMS ROAD	1787 W. FARMS ROAD	1778 feet to the NNE
53	0485277	BRONX EAST A DOS -DDC	1787 WEST FARMS ROAD	1778 feet to the NNE
54	0109268	BRONX EAST A DOS -DDC	1787 WEST FARMS ROAD	1778 feet to the NNE
55	9109586	1170 BRONX RIVER AVE	1170 BRONX RIVER AVE	1781 feet to the SSE
56	8600851	HOE ST. SEEPAGE	1206 HOE AVE.	1789 feet to the SW
57	9604559	1233 ELDER AVE	1233 ELDER AVE	1792 feet to the ESE
58	9512241	BOYNTON AV BETWEEN	WESTCHESTER AV/E 172 ST	2043 feet to the ESE
59	9814307	URBAN HOMES	17-07/17-09 BOSTON ROAD	2099 feet to the NNW
60	9912936	MANHOLE #19338	WESTCHESTER & ELDER AV	2118 feet to the SE
61	9912614	SB 19335	ELDER AVE/WESTCHESTER AV	2118 feet to the SE
62	0201730	NEW HORIZON RETAIL CENTER	971 EAST 174TH ST	2150 feet to the N
63	0202887	RESIDENTIAL BLDG	1680 CORTONA PARK EAST	2218 feet to the NNW
64	9814386	1714 CROTRONA PARK EAST	1714 CROTRONA PARK EAST	2258 feet to the NNW
65	9414079	FREEMAN ST & INTERVALE	FREEMAN ST & INTERVALE AV	2306 feet to the WSW
66	9902811	MANHOLE #25696	E SIDE OF BOYNTON AVE	2319 feet to the ESE
67	9913949	MANHOLE 17911	MANOR AVE/E 172 STREET	2327 feet to the E
68	0306639	1211 WARD AVE	1211 WARD AVE	2352 feet to the ESE
69	9311752	STEBBINS ST & JENNINGS ST	STEBBINS ST / JENNINGS ST	2386 feet to the W
70	9309296	ODOR	1544 WESTCHESTER AVENUE	2406 feet to the ESE
71	8706894	1151 EAST 165TH ST/BRONX	1151 EAST 165TH ST.	2430 feet to the SSW
72	9403618	1589 EAST 172ND ST REALTY	1589 EAST 172ND ST	2479 feet to the E
73	0013276	170TH ST	STEBBINS AV	2483 feet to the W
74	9714160		1389 STEBBINS AVE	2507 feet to the W
75	0000360	VAULT TM1244	WESTCHESTER AV & WARD AV	2528 feet to the ESE
76	0506244	REAR YARD 1255 STRATFORD	1255 STRATFORD AVE	2560 feet to the E
77	9912739		1372 STRATFORD AVE	2561 feet to the ENE
78	9807799	RESIDENCE	1076 FAILE ST	2570 feet to the SSW

79	9404172	BRONX RIVER HOUSING	1575 E. 174TH ST	2570 feet to the ENE
80	0008477	APARTMENT COMPLEX (IFO)	1340 STRATFORD AVE	2571 feet to the E
81	0008476	IN THE STREET IFO	1340 STRATFORD AV	2571 feet to the E
82	0211102	1472 WATSON AVE	1464 WATSON AVE	2620 feet to the SSE
83	9705834	1106 HOE AVE	1106 HOE AVE	2635 feet to the SSW

**Closed Status Spills (Miscellaneous Spill Causes) -- Total Sites - 10**

MAP ID	FACILITY ID	FACILITY NAME
84	0300164	ABANDONED SERVICE STATION
85	0409544	1498 BRYANT AVE
86	8909355	WESTCHESTER @ CLOSE AV/BX
87	8904140	MINFORD PL & EAST 172ND ST
88	8605475	AMTRAK
89	9808883	ON SOUTHERN BLVD
90	0000461	
91	9312169	CROSS BX EPWY/SHERIDAN EX
92	8906508	NYCT
93	9612598	BRONX RIVER HOUSES -NYCHA

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

FACILITY STREET	DISTANCE & DIRECTION
1471 WEST FARM RD	88 feet to the SSW*
1498 BRYANT AVE	530 feet to the WNW
WESTCHESTER AV @ CLOSE AV	1500 feet to the SSE
MINFORD PL / E 172ND ST	1698 feet to the WNW
174TH ST BRONX RIVER AVE	1914 feet to the ENE
HOME ST AND FREEMAN ST	2043 feet to the WSW
1213 WARD AVE	2335 feet to the ESE
CROSS BX EXPWY/SHERIDAN E	2396 feet to the NNE
1801 BOSTN RD / E 175 ST	2465 feet to the N
1575 EAST 174TH STREET	2570 feet to the ENE

**Petroleum Bulk Storage Sites -- Total Sites - 9**

MAP ID	FACILITY ID	FACILITY NAME
94	2-259772	J & L AUTO SEV
95	2-605594	MRC/754 E 161ST HDFC
96	2-605595	MRC/754 E 161ST ST HDFC
97	2-605593	MRC/754 E 161ST ST HDFC
98	2-604868	PUBLIC SCHOOL 66 - BRONX (X066)
99	2-097748	MARINE BOILER & WELDING INC
100	2-609378	NYSDOT - D258767
101	2-153249	CINCOL-BRYANT INC.
102	2-609862	1563 BOONE AVE

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

FACILITY STREET	DISTANCE & DIRECTION
1471 W FARMS RD	88 feet to the SSW*
1500 LONGFELLOW AVE.	268 feet to the WNW
1504 LONGFELLOW AVE.	273 feet to the WNW
1496 LONGFELLOW AVE.	306 feet to the WNW
1001 JENNINGS STREET	350 feet to the WSW
1428 SHERIDAN AVE	539 feet to the SSE
SHERIDAN EXPRESSWAY (SB) @ JENNINGS ST.	540 feet to the S
1468 BRYANT AVENUE	589 feet to the W
1563 BOONE AVENUE	645 feet to the NNE

**Hazardous Waste Generators, Transporters -- Total Sites - 2**

MAP ID	FACILITY ID	FACILITY NAME
103	NYR000115212	ESTATE OF LOUIS ROMANO
104	NY0000375709	NEW YORK CITY B O E

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

FACILITY STREET	DISTANCE & DIRECTION
1471 W FARMS RD	94 feet to the SSW*
PS-66	382 feet to the SW

**Civil & Administrative Enforcement Docket Sites -- Total Sites - 1**

MAP ID	FACILITY ID	FACILITY NAME
105	NY0000375709	NYC BD OF ED - PS 66

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

FACILITY STREET	DISTANCE & DIRECTION
1001 JENNINGS STREET	337 feet to the WSW

# Identified Toxic Sites by Proximity

1493 Boone Avenue, Bronx, NY 10460

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

Map Id#	Site Name	Site Street	Approximate Distance & Direction From Property	Toxic Site Category
29	MANHOLE #26176	1471 W FARMS RD	88 feet to the SSW*	Closed Status Spill (Unk/Other Cause)
84	ABANDONED SERVICE STATION	1471 WEST FARM RD	88 feet to the SSW*	Closed Status Spill (Misc. Spill Cause)
94	J & L AUTO SEV	1471 W FARMS RD	88 feet to the SSW*	Petroleum Bulk Storage Site
103	ESTATE OF LOUIS ROMANO	1471 W FARMS RD	94 feet to the SSW*	Hazardous Waste Generator/Transporter
95	MRC/754 E 161ST HDFC	1500 LONGFELLOW AVE.	268 feet to the WNW	Petroleum Bulk Storage Site
96	MRC/754 E 161ST ST HDFC	1504 LONGFELLOW AVE.	273 feet to the WNW	Petroleum Bulk Storage Site
97	MRC/754 E 161ST ST HDFC	1496 LONGFELLOW AVE.	306 feet to the WNW	Petroleum Bulk Storage Site
105	NYC BD OF ED - PS 66	1001 JENNINGS STREET	337 feet to the WSW	Civil & Admin. Enforcement Docket Site
98	PUBLIC SCHOOL 66 - BRONX (X066)	1001 JENNINGS STREET	350 feet to the WSW	Petroleum Bulk Storage Site
104	NEW YORK CITY B O E	PS-66	382 feet to the SW	Hazardous Waste Generator/Transporter
85	1498 BRYANT AVE	1498 BRYANT AVE	530 feet to the WNW	Closed Status Spill (Misc. Spill Cause)
99	MARINE BOILER & WELDING INC	1428 SHERIDAN AVE	539 feet to the SSE	Petroleum Bulk Storage Site
100	NYSDOT - D258767	SHERIDAN EXPRESSWAY (SB) @ JENNINGS ST.	540 feet to the S	Petroleum Bulk Storage Site
101	CINCOL-BRYANT INC.	1468 BRYANT AVENUE	589 feet to the W	Petroleum Bulk Storage Site
102	1563 BOONE AVE	1563 BOONE AVENUE	645 feet to the NNE	Petroleum Bulk Storage Site
8	UNDERGROUND TRANSFORMER	1565 WEST FARMS RD	678 feet to the NNE	Active Haz Spill (Unknown/Other Cause)
15	PRG PACKING	1560 BOONE AVE	678 feet to the NNE	Closed Status Tank Failure
30	BRONX RIVER	EAST 172ND ST/WESTCHESTER	713 feet to the SSE	Closed Status Spill (Unk/Other Cause)
16	HUNTS POINT AUTO PARTS	1480 SHERIDAN EXPRESSWAY	816 feet to the SSE	Closed Status Tank Failure
1	CE - E. 173RD ST. - BRONX WORKS	WEST FARMS RD.& BRONX RIVER	830 feet to the ENE	Brownfields Site
31	MANHOLE 17607	1431 LONGFELLOW AVE	855 feet to the SW	Closed Status Spill (Unk/Other Cause)
32	0940 (TRANSFORMER MANHOLE)	E 173 ST & W FARMS RD	870 feet to the NE	Closed Status Spill (Unk/Other Cause)
33	MANHOLE 27283	W FARM RD/E 173 RD ST	870 feet to the NE	Closed Status Spill (Unk/Other Cause)
34	STARLIGHT PARK	SHERIDAN EXPWY (E. 173RD)	878 feet to the NE	Closed Status Spill (Unk/Other Cause)
35		1406-8 BRYANT AVE	1133 feet to the SW	Closed Status Spill (Unk/Other Cause)
36	MANHOLE 495	WEST FARM RD/ FREEDMAN ST	1144 feet to the SSW	Closed Status Spill (Unk/Other Cause)
37	THOMAS RES	1252 BRONX RIVER AVE	1153 feet to the SE	Closed Status Spill (Unk/Other Cause)
38	ON SIDEWALK	1259 EVERGREEN AVE	1176 feet to the ESE	Closed Status Spill (Unk/Other Cause)
39	APEX SALES	1235 BRONX RIVER AVE	1182 feet to the SE	Closed Status Spill (Unk/Other Cause)
40	MEDEX	1028 FREEMAN ST	1264 feet to the SSW	Closed Status Spill (Unk/Other Cause)
41	RESIDENCE	1463 HOE AVE	1271 feet to the W	Closed Status Spill (Unk/Other Cause)
17	GARCIA RESIDENCE	1316 WHEELER AVENUE	1335 feet to the E	Closed Status Tank Failure
42	SERVICE BOX 2252	1230 COLGATE AV	1337 feet to the SE	Closed Status Spill (Unk/Other Cause)
43	VAULT #1664	SOUTHERN BLVD	1383 feet to the W	Closed Status Spill (Unk/Other Cause)
44	BRONX RIVER	WESTCHESTER AVE	1392 feet to the SSE	Closed Status Spill (Unk/Other Cause)
45	MANHOLE 8157	173RD ST AND HOE AVE	1412 feet to the NNW	Closed Status Spill (Unk/Other Cause)
46	GETTY #276	1720 BOONE AVE	1428 feet to the NNE	Closed Status Spill (Unk/Other Cause)
5	MURPHY CONSOLIDATED -NYCHA	1705 BRYANT AVE	1449 feet to the N	Active Tank Test Failure
18	GETTY SVC STATION	1441 WESTCHESTER AVE	1454 feet to the SSE	Closed Status Tank Failure
47	NYC HUMAN RESOURCES	1209 COLGATE AVENUE	1489 feet to the SE	Closed Status Spill (Unk/Other Cause)
48	HUD HOUSING PROJECT	1209 COLGATE AVE	1489 feet to the SE	Closed Status Spill (Unk/Other Cause)
86	WESTCHESTER @ CLOSE AV/BX	WESTCHESTER AV @ CLOSE AV	1500 feet to the SSE	Closed Status Spill (Misc. Spill Cause)
21	MADISON SQUARE BOYS & GIRLS CLUB HOUSE	1665 HOE AV	1566 feet to the NNW	Closed Status Tank Test Failure
49	MURPHY CONSOLIDATED -NYCHA	1700 HOE AVENUE	1630 feet to the NNW	Closed Status Spill (Unk/Other Cause)
19	TANK LEAK IN REAR YARD	1347 BOYNTON AVE	1651 feet to the ENE	Closed Status Tank Failure

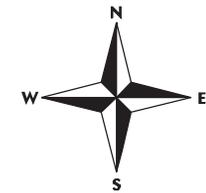
50	STREET	HOME ST AND WESTCHESTER A	1656 feet to the S	Closed Status Spill (Unk/Other Cause)
6	GETTY S/S #268 - GETTY PROPERTIES	1185 BRONX RIVER AVE.	1677 feet to the SSE	Active Tank Test Failure
87	MINFORD PL & EAST 172ND ST	MINFORD PL / E 172ND ST	1698 feet to the WNW	Closed Status Spill (Misc. Spill Cause)
2	1275 WESTCHESTER AVE	1275 WESTCHESTER AVENUE	1728 feet to the SSW	Active Tank Failure
51	1235 ELDER AV	1235 ELDER AV	1777 feet to the ESE	Closed Status Spill (Unk/Other Cause)
52	1787 WEST FARMS ROAD	1787 W. FARMS ROAD	1778 feet to the NNE	Closed Status Spill (Unk/Other Cause)
53	BRONX EAST A DOS -DDC	1787 WEST FARMS ROAD	1778 feet to the NNE	Closed Status Spill (Unk/Other Cause)
54	BRONX EAST A DOS -DDC	1787 WEST FARMS ROAD	1778 feet to the NNE	Closed Status Spill (Unk/Other Cause)
55	1170 BRONX RIVER AVE	1170 BRONX RIVER AVE	1781 feet to the SSE	Closed Status Spill (Unk/Other Cause)
56	HOE ST. SEEPAGE	1206 HOE AVE.	1789 feet to the SW	Closed Status Spill (Unk/Other Cause)
57	1233 ELDER AVE	1233 ELDER AVE	1792 feet to the ESE	Closed Status Spill (Unk/Other Cause)
9	COMMERCIAL PROPERTY	1301-1321 LEWIS NINE BLV	1830 feet to the WSW	Active Haz Spill (Unknown/Other Cause)
10	1624 BOSTON RD	1624 BOSTON RD	1909 feet to the NW	Active Haz Spill (Unknown/Other Cause)
88	AMTRAK	174TH ST BRONX RIVER AVE	1914 feet to the ENE	Closed Status Spill (Misc. Spill Cause)
58	BOYNTON AV BETWEEN	WESTCHESTER AV/E 172 ST	2043 feet to the ESE	Closed Status Spill (Unk/Other Cause)
89	ON SOUTHERN BLVD	HOME ST AND FREEMAN ST	2043 feet to the WSW	Closed Status Spill (Misc. Spill Cause)
3		1555 SEABURY PLACE	2074 feet to the NW	Active Tank Failure
59	URBAN HOMES	17-07/17-09 BOSTON ROAD	2099 feet to the NNW	Closed Status Spill (Unk/Other Cause)
60	MANHOLE #19338	WESTCHESTER & ELDER AV	2118 feet to the SE	Closed Status Spill (Unk/Other Cause)
61	SB 19335	ELDER AVE/WESTCHESTER AV	2118 feet to the SE	Closed Status Spill (Unk/Other Cause)
62	NEW HORIZON RETAIL CENTER	971 EAST 174TH ST	2150 feet to the N	Closed Status Spill (Unk/Other Cause)
63	RESIDENTIAL BLDG	1680 CORTONA PARK EAST	2218 feet to the NNW	Closed Status Spill (Unk/Other Cause)
20	1797 VYSE AVE	1797 VYSE AV	2241 feet to the N	Closed Status Tank Failure
64	1714 CROTRONA PARK EAST	1714 CROTRONA PARK EAST	2258 feet to the NNW	Closed Status Spill (Unk/Other Cause)
11	FORMER BP AMOCO STATION #60024	1776 SOUTHERN BOULEVARD	2269 feet to the NNW	Active Haz Spill (Unknown/Other Cause)
65	FREEMAN ST & INTERVALE	FREEMAN ST & INTERVALE AV	2306 feet to the WSW	Closed Status Spill (Unk/Other Cause)
66	MANHOLE #25696	E SIDE OF BOYNTON AVE	2319 feet to the ESE	Closed Status Spill (Unk/Other Cause)
67	MANHOLE 17911	MANOR AVE/E 172 STREET	2327 feet to the E	Closed Status Spill (Unk/Other Cause)
90		1213 WARD AVE	2335 feet to the ESE	Closed Status Spill (Misc. Spill Cause)
7	CHASE BANK	1536 WESTCHESTER AVE	2339 feet to the ESE	Active Tank Test Failure
68	1211 WARD AVE	1211 WARD AVE	2352 feet to the ESE	Closed Status Spill (Unk/Other Cause)
22	CLOSED-LACKOF RECENT INFO	985 EAST 167TH STREET	2360 feet to the SW	Closed Status Tank Test Failure
14	1151 ELDER AVE	1151 ELDER AVE	2367 feet to the SE	Active Haz Spill (Misc. Spill Cause)
4	JENNINGS ST & STEBBINS AV	JENNINGS ST / STEBBINS AV	2386 feet to the W	Active Tank Failure
69	STEBBINS ST & JENNINGS ST	STEBBINS ST / JENNINGS ST	2386 feet to the W	Closed Status Spill (Unk/Other Cause)
91	CROSS BX EPWY/SHERIDAN EX	CROSS BX EXPWY/SHERIDAN E	2396 feet to the NNE	Closed Status Spill (Misc. Spill Cause)
70	ODOR	1544 WESTCHESTER AVENUE	2406 feet to the ESE	Closed Status Spill (Unk/Other Cause)
12	BRONXDALE HOUSES -NYCHA	1471 WATSON AVE	2425 feet to the SSE	Active Haz Spill (Unknown/Other Cause)
23	BRONXDALE HOUSES -NYCHA	1471 WATSON AVE	2425 feet to the SSE	Closed Status Tank Test Failure
71	1151 EAST 165TH ST/BRONX	1151 EAST 165TH ST.	2430 feet to the SSW	Closed Status Spill (Unk/Other Cause)
92	NYCT	1801 BOSTN RD / E 175 ST	2465 feet to the N	Closed Status Spill (Misc. Spill Cause)
72	1589 EAST 172ND ST REALTY	1589 EAST 172ND ST	2479 feet to the E	Closed Status Spill (Unk/Other Cause)
13	SOUTHEAST CORNER	E 170TH ST/STIBBENS AV	2483 feet to the W	Active Haz Spill (Unknown/Other Cause)
73	170TH ST	STEBBINS AV	2483 feet to the W	Closed Status Spill (Unk/Other Cause)
74		1389 STEBBINS AVE	2507 feet to the W	Closed Status Spill (Unk/Other Cause)
75	VAULT TM1244	WESTCHESTER AV & WARD AV	2528 feet to the ESE	Closed Status Spill (Unk/Other Cause)
24	18-30 SOUTHERN BLVD	18-30 SOUTHERN BLVD	2540 feet to the N	Closed Status Tank Test Failure
76	REAR YARD 1255 STRATFORD	1255 STRATFORD AVE	2560 feet to the E	Closed Status Spill (Unk/Other Cause)
25	CLOSED-LACKOF RECENT INFO	1372 STRAFFORD AVE.	2561 feet to the ENE	Closed Status Tank Test Failure
77		1372 STRATFORD AVE	2561 feet to the ENE	Closed Status Spill (Unk/Other Cause)
26	BRONX RIVER HOUSES -NYCHA	1575 EAST 174TH STREET	2570 feet to the ENE	Closed Status Tank Test Failure
27	BRONX RIVER HOUSES -NYCHA	1575 EAST 174TH STREET	2570 feet to the ENE	Closed Status Tank Test Failure
78	RESIDENCE	1076 FAILE ST	2570 feet to the SSW	Closed Status Spill (Unk/Other Cause)

79	BRONX RIVER HOUSING	1575 E. 174TH ST	2570 feet to the ENE	Closed Status Spill (Unk/Other Cause)
93	BRONX RIVER HOUSES -NYCHA	1575 EAST 174TH STREET	2570 feet to the ENE	Closed Status Spill (Misc. Spill Cause)
80	APARTMENT COMPLEX (IFO)	1340 STRATFORD AVE	2571 feet to the E	Closed Status Spill (Unk/Other Cause)
81	IN THE STREET IFO	1340 STRATFORD AV	2571 feet to the E	Closed Status Spill (Unk/Other Cause)
82	1472 WATSON AVE	1464 WATSON AVE	2620 feet to the SSE	Closed Status Spill (Unk/Other Cause)
28	1106 HOE AVE	1106 HOE AVE	2635 feet to the SSW	Closed Status Tank Test Failure
83	1106 HOE AVE	1106 HOE AVE	2635 feet to the SSW	Closed Status Spill (Unk/Other Cause)

# Toxics Targeting 1 Mile Radius Map

1493 Boone Avenue  
Bronx, NY 10460

Elevation above Sea Level: 29 feet



Bronx County



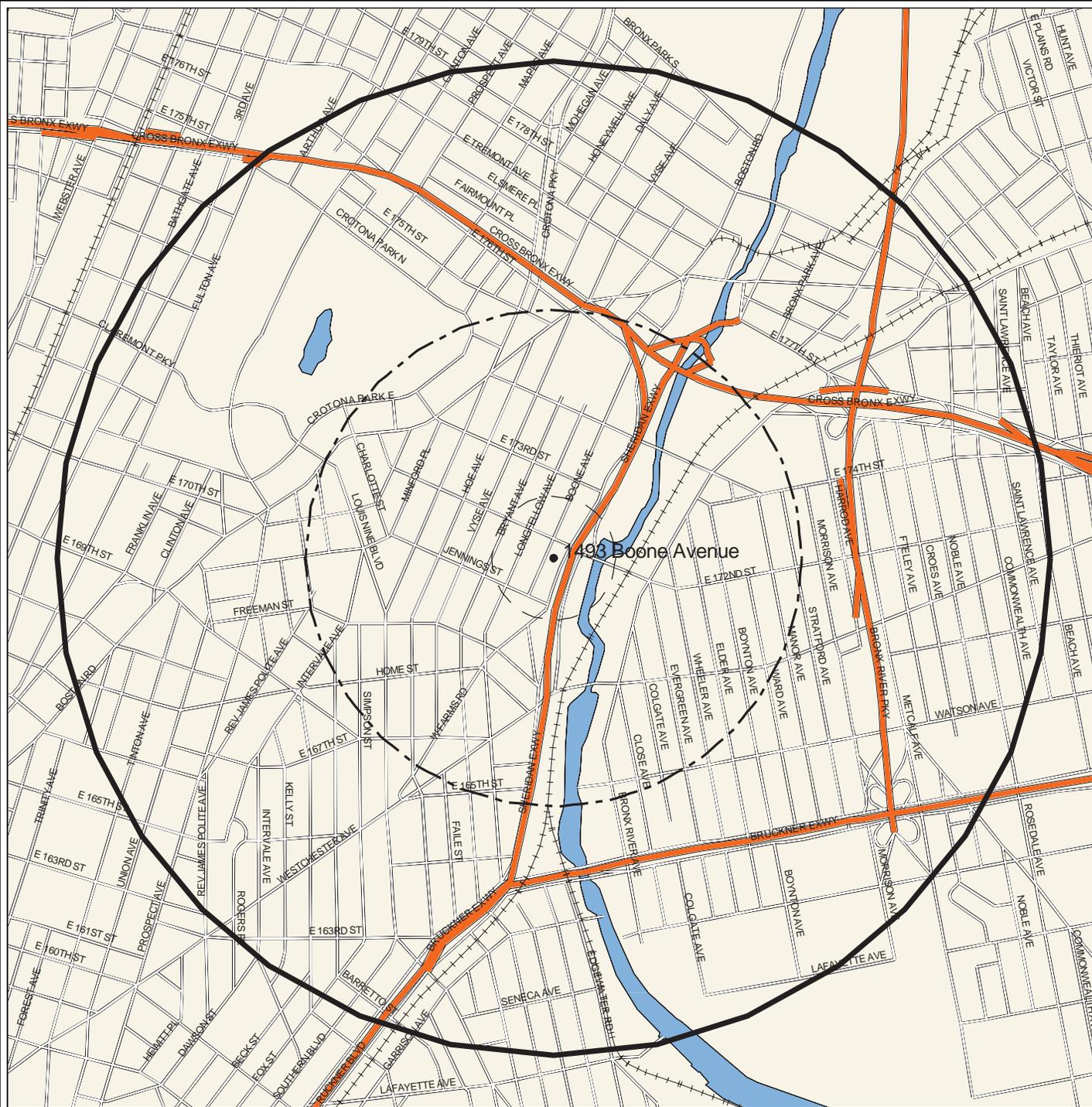
National Priority List (NPL)



Inactive Hazardous Waste Disposal Registry Site



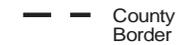
RCRA Corrective Action Facility



Site Location



Waterbody



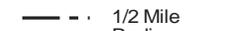
County Border



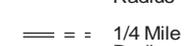
Railroad Tracks



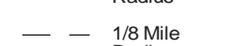
1 Mile Radius



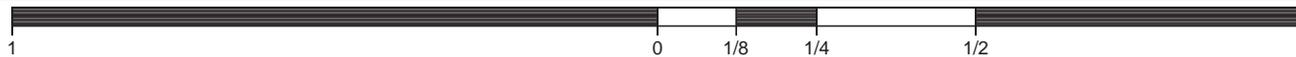
1/2 Mile Radius



1/4 Mile Radius



1/8 Mile Radius

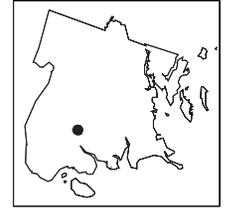
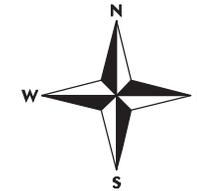


Distance in Miles

# Toxics Targeting 1/2 Mile Radius Map

1493 Boone Avenue  
Bronx, NY 10460

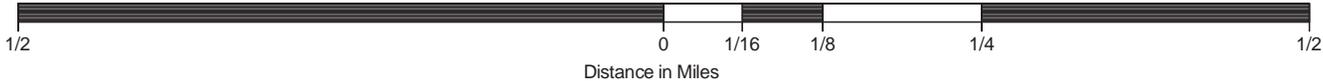
Elevation above Sea Level: 29 feet



Bronx County

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

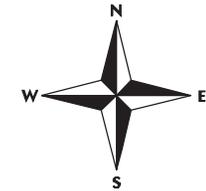
-  Site Location
-  Waterbody
-  County Border
-  Railroad Tracks
-  1 Mile Radius
-  1/2 Mile Radius
-  1/4 Mile Radius
-  1/8 Mile Radius



# Toxics Targeting 1/8 Mile Radius Map

1493 Boone Avenue  
Bronx, NY 10460

Elevation above Sea Level: 29 feet

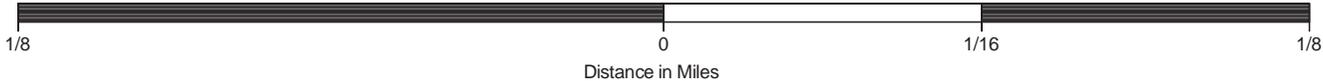


Bronx County



- Major Oil Storage Facility
- Chemical Storage Facility
- Toxic Release
- Wastewater Discharge
- Hazardous Waste Generator, Transp.
- Enforcement Docket Facility
- Air Release
- Env Qual Review E Designation
- Petroleum Bulk Storage Facility
- Historic Utility Site

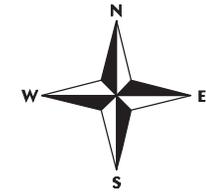
- Site Location
- County Border
- 1/8 Mile Radius
- Waterbody
- Railroad Tracks
- 250 Foot Radius



# Toxics Targeting 1/8 Mile Closeup Map

1493 Boone Avenue  
Bronx, NY 10460

Elevation above Sea Level: 29 feet

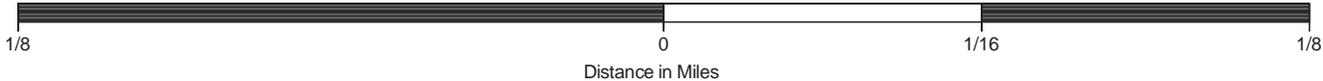


Bronx County

- |   |  |
|---|--|
| National Priority List (NPL) *                    | Delisted NPL Site **                         |
| CERCLIS Superfund Non-NFRAP Site **               | CERCLIS Superfund NFRAP Site **              |
| Inactive Hazardous Waste Disposal Registry Site * | Inact. Haz Waste Disp. Registry Qualifying * |
| Hazardous Waste Treater, Storer, Disposer **      | RCRA Corrective Action Facility *            |
| Hazardous Substance Waste Disposal Site **        | Solid Waste Facility **                      |
| Major Oil Storage Facility ****                   | Brownfields Site **                          |
| Chemical Storage Facility ****                    | Hazardous Material Spill **                  |
| Toxic Release ****                                | MTBE Gasoline Additive Spill **              |
| Wastewater Discharge ****                         | Petroleum Bulk Storage Facility ****         |
| Hazardous Waste Generator, Transp. ****           | Historic Utility Site ****                   |
| Enforcement Docket Facility ****                  | Air Release ****                             |
| Env Qual Review E Designation *****               |  |

- |                 |                 |
|-----------------|-----------------|
| Site Location   | Waterbody       |
| County Border   | Railroad Tracks |
| 1/8 Mile Radius | 250 Foot Radius |

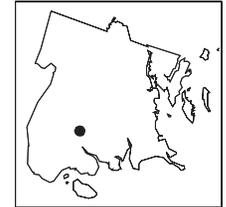
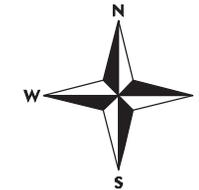
\* 1 Mile Search Radius  
\*\* 1/2 Mile Search Radius  
\*\*\*\* 1/8 Mile Search Radius  
\*\*\*\*\* Onsite Search (250 Ft)



# Toxics Targeting Tax Parcel Map

1493 Boone Avenue  
Bronx, NY 10460

Elevation above Sea Level: 29 feet



Bronx County



- |   |  |
|---|--|
| National Priority List (NPL)                    | Delisted NPL Site                          |
| CERCLIS Superfund Non-NFRAP Site                | CERCLIS Superfund NFRAP Site               |
| Inactive Hazardous Waste Disposal Registry Site | Inact. Haz Waste Disp. Registry Qualifying |
| Hazardous Waste Treater, Storer, Disposer       | RCRA Corrective Action Facility            |
| Hazardous Substance Waste Disposal Site         | Solid Waste Facility                       |
| Major Oil Storage Facility                      | Brownfields Site                           |
| Chemical Storage Facility                       | Hazardous Material Spill                   |
| Toxic Release                                   | MTBE Gasoline Additive Spill               |
| Wastewater Discharge                            | Petroleum Bulk Storage Facility            |
| Hazardous Waste Generator, Transp.              | Historic Utility Site                      |
| Enforcement Docket Facility                     | Air Release                                |
| Env Qual Review E Designation                   |  |
| Site Location                                   | Waterbody                                  |
| County Border                                   | Railroad Tracks                            |

# Tax Parcel Information Table

**1493 Boone Avenue  
Bronx, NY 10460**

## Subject Parcel or Parcels

BBL #	Address	Owner	Zoning District(s)	Building Class	# of Buildings	Year Built	Assessment	Lot Area
2-03013-0029	1493 BOONE AVENUE	NORTON, PATRICIA	M1-1	C0	4	1901	14677	6212

## Other Parcels Found On The Tax Parcel Map

BBL #	Address	Owner	Zoning District(s)	Building Class	# of Buildings	Year Built	Assessment	Lot Area
2-03008-0001	1001 JENNINGS STREET	BOARD OF EDUCATION	R7-1	W1	1	1924	2911500	58000
2-03008-0013	1494 LONGFELLOW AVENUE	J & M DEVELOPMENT, LT	R7-1	B2	1	2002	25016	2000
2-03008-0014	1492 LONGFELLOW AVENUE		R7-1	B2	1	2002	25016	2000
2-03008-0015	1496 LONGFELLOW AVENUE	MRC 754 EAST 161ST ST	R7-1	C1	1	1931	207000	5000
2-03008-0017	1500 LONGFELLOW AVENUE	MRC 754 EAST 161ST ST	R7-1	C1	1	1931	201600	5000
2-03008-0019	1504 LONGFELLOW AVENUE	MRC 754 EAST 161ST ST	R7-1	C1	1	1931	201600	5000
2-03008-0022	1002 EAST 172 STREET	RUDESINDO UBALDO	R7-1	B1	1	1997	20292	2500
2-03008-0023	1004 EAST 172 STREET	JOYCELYN DALY	R7-1	B1	1	1997	20292	2500
2-03008-0024	1006 EAST 172 STREET	MOORE, LUELLE	R7-1	B2	1	1920	9910	2500
2-03008-0025	EAST 172 STREET	DEPT OF GENERAL SERVI	R7-1	V0	0		1526	2500
2-03008-0026	1010 EAST 172 STREET	BROWN, VIOLET	R7-1	B1	1	1997	20640	2500
2-03008-0027	1012 EAST 172 STREET	PEREZ, ABEL ERNESTO	R7-1	B1	1	1997	20640	2500
2-03008-0028	1014 EAST 172 STREET	HERNANDEZ, CARLOS	R7-1	B1	1	1997	20640	2500
2-03008-0029	1016 EAST 172 STREET	DANIEL A SANCHEZ	R7-1	B1	1	1997	20640	2500
2-03008-0030	1001 BOONE AVENUE	BOARD OF EDUCATION	R7-1	G7	0		61650	19000
2-03009-0044	1015 EAST 172 STREET	POGOSTIN, MARC	M1-1	F4	1	1931	109350	12500
2-03013-0001	1021 BOONE AVENUE	PALM TREE REALTY CORP	M1-1	W1	3	1924	1341000	39000
2-03013-0012	1471 WEST FARMS ROAD	1501 WEST FARMS CORP.	M1-1	G4	1	1964	78750	14630
2-03013-0031	1508 BOONE AVENUE	1501 WEST FARMS CORP.	M1-1	G9	4	1954	149769	14555
2-03013-0035	1512 BOONE AVENUE	MICHILLI, GIUSEPPE	M1-1	F1	1	1977	14445	1170
2-03013-0037	EAST 172 STREET	1501 WEST FARMS CORP.	M1-1	V1	0		279	284
2-03013-0046	1481 WEST FARMS ROAD	PATRICIA NORTON	M1-1	B2	1	1910	9216	3948
2-03014-0009	1544 BOONE AVENUE	NYC HIGHWAYS DET	M1-1	G2	1	1931	164700	41700
2-03014-0045	WEST FARMS ROAD	DEPT OF GENERAL SERVI	M1-1	V1	0		41	13

## Section Two: Toxic Site Profiles

The heading of each *Toxic Site Profile* refers to the site's map location and details:

- The facility name, address, city, state, and zip code (This information does not appear in the headings for Inactive Hazardous Waste Disposal Sites).
- Any changes that were made to a site's address in order to map its location.
- The site mapping method that was used (see *How Sites are Located*, at the end of this section for more information).

*Toxic Site Profiles* summarize information provided by site owners or operators and government agencies regarding various toxic chemical activities reported at each site, such as:

- Whether chemicals were stored, produced, transported, discharged or disposed of.
- The name of chemicals and their Chemical Abstract Series (CAS) numbers;
- The amount of chemicals and the units (gallons/pounds) the chemical was measured in.
- Whether the site or storage tanks at the site are currently active or inactive.
- Special codes used by government agencies to regulate hazardous waste activities at some sites  
(A complete description of the codes follows the profiles section).

For selected individual chemicals reported at various toxic sites, some potential health effect summary information appears below the site profile. Each potential health effect summary identifies chemicals by name and by Chemical Abstract Series (CAS) Number. An "x" under each potential health effect heading indicates positive toxicity testing results reported by the National Institute of Occupational Safety and Health's Registry of Toxic Effects of Chemical Substances (RTECS). Some chemicals (mostly appearing in profiles of Hazardous Waste facilities), are reported as mixtures, and RTECS health effect information is only available for individual chemicals. In addition, RTECS only provides information on approximately 100,000 common chemicals. Consequently, the absence of potential health effect summary information for a particular chemical identified in a Toxic Site Profile does not necessarily mean that the chemical does not pose potential health effects.

The Maximum Contaminant Level (MCL) in drinking water allowed for selected chemicals is also noted. In most cases, the only applicable MCL has been set by the New York State Department of Health (NYSDOH). Where NYSDOH has not set an MCL, the federal standard, if one exists, is listed and is marked by an asterisk.

Presented below are column headings that describe the health effect definitions used in RTECS and applicable New York State and federal drinking water standards. Reference sources for information presented in this section are also provided.

ACUTE TOX: **Acute Toxicity:** Short-term exposure to this chemical can cause lethal and non-lethal toxicity effects not included in the following four categories.

TUMOR TOX: **Tumorigenic Toxicity:** The chemical can cause an increase in the incidence of tumors.

MUTAG TOX: **Mutagenic Toxicity:** The chemical can cause genetic alterations that are passed from one generation to the next.

**REPRO TOX:** **Reproductive toxicity:** May signify one of the following effects: maternal effects, paternal effects, effects on fertility, effects on the embryo or fetus, specific developmental abnormalities, tumorigenic effects, or effects on the newborn (only positive reproductive effects data for mammalian species are referenced)

**IRRIT TOX:** **Primary Irritant:** The chemical can cause eye or skin irritation

**MCL:** **Drinking Water Standard - Maximum Contaminant Level (MCL)** listed under Drinking Water Supplies, 10 NYCRR Part 5, Subparts 1.51(f),(g), and (h) for NYDOH MCL's and under the Safe Drinking Water Act, 40 CFR 141, Subparts B and G, (\* indicates value for total trihalomethanes) for federal MCL's.

Reference Source for Toxicity Information: Registry of Toxic Effects of Chemical Substances (RTECS), NIOSH (on-line database); For further information, contact: NIOSH, 4676 Columbia Parkway, Cincinnati, OH, 45226, 800/35-NIOSH.

Reference Source for Drinking Water Standards: New York State Department of Health, Bureau of Toxic Substances Assessment, 2 University Place, Room 240, Albany, NY 12203, 518/458-6373.

U.S. Environmental Protection Agency, Office of Drinking Water, 401 M St SW, Mailstop WH-556, Washington, DC, 20460, 202/260-5700.

**Inactive Hazardous Waste Disposal Site Classifications:**

- 1 -- Causing or presenting an imminent danger of causing irreversible or irreparable damage to the public health or the environment -- immediate action required;
- 2 -- Significant threat to the public health or environment -- action required;
- 3 -- Does not Present a significant threat to the environment or public health -- action may be deferred;
- 4 -- Site properly closed --requires continued management;
- 5 -- Site properly closed, no evidence of present or potential adverse impact -- no further action required;
- 2a -- This temporary classification has been assigned to sites where there is inadequate data to assign them to the five classifications specified by law.

D<sub>1</sub>, 2, 3 -- Delisted Site (1: hazardous waste not found; 2: remediated; 3: consolidated site or site incorrectly listed)



**\* NO NATIONAL PRIORITIES LIST (NPL) SITES IDENTIFIED WITHIN 1 MILE SEARCH RADIUS \***



**\* NO INACTIVE HAZ WASTE DISPOSAL REGISTRY OR REGISTRY-QUALIFYING SITES IDENTIFIED WITHIN 1 MILE SEARCH RADIUS \***



***\* NO RCRA CORRECTIVE ACTION SITES IDENTIFIED WITHIN 1 MILE SEARCH RADIUS \****



***\* NO CERCLIS SUPERFUND SITES IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS \****



**\* BROWNFIELDS SITES IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS \***

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

**Map Identification Number 1**      **CE - E. 173RD ST. - BRONX WORKS**      **Facility Id: V00552**  
WEST FARMS RD.& BRONX RIVER      BRONX, NY 10460

MAP LOCATION INFORMATION  
Site location mapped by: MANUAL MAPPING (3)  
Approximate distance from property: 830 feet to the ENE

ADDRESS CHANGE INFORMATION  
Revised street: W FARMS RD / BRONX RIVER BRONX  
Revised zip code: NO CHANGE

Brownfield Program:      Voluntary Cleanup Program

Volunteer:      CONSOLIDATED EDISON C

VOLUNTARY CLEANUP PROGRAM

CLASSIFICATION CODE: A  
CLASSIFICATION CODE DESCRIPTION:  
No description provided

REGION: 2

SITE CODE: V00552  
DEC ID: 57093

NAME OF SITE:      CE - E. 173rd St. - Bronx Works  
STREET ADDRESS:      West Farms Rd.& Bronx River  
CITY:      Bronx      ZIP: 10460

TOWN:      New York City  
COUNTY:      Bronx

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

INSTITUTIONAL/ENGINEERING CONTROLS:  
None reported

CROSS REFERENCES:  
None reported

SITE OWNER/OPERATOR INFORMATION:

CURRENT OWNER(S):

NAME:      NYC DEPT OF PARKS & RECREATION      Owner Type:      Missing Code in Old Data  
ADDRESS: ARSENAL WEST - 16 WEST 61ST ST.  
NY, NY 10023

NAME:      CONSOLIDATED EDISON CO OF NY., INC.      Owner Type:      Missing Code in Old Data  
ADDRESS: 4 IRVING PLACE

NY, NY 10003

SITE DESCRIPTION:

The East 173rd Street Site is a roughly 10 acre parcel located in an urban portion of Bronx County. The main site features include a large open dirt-covered area and a small paved area with some chain-link fencing dividing the two areas. Some trees line the perimeter of the site. The site is bounded by the Sheridan Expressway to the west and by the Bronx River to the south and east. The site is currently used as a public park, but is undergoing renovation work so it is vacant at this time. The surrounding parcels are currently a combination of commercial, industrial, roadways, and railroad right-of-ways. The nearest residential areas are approximately .1 miles to the east and west of the site. Prior use of the site as a manufactured gas plant have led to site contamination from the gas holders and the disposal of purifier waste. As of this update, completed investigations include a Focused Remedial Investigation (2003). The design to implement the Remedial Action Work Plan (2004) is approved and awaits an access agreement for the construction and site management activities between NYC Parks Dept. and Con Ed

CONFIRMED HAZARDOUS WASTE DISPOSED:

None reported

ASSESSMENT OF ENVIRONMENTAL PROBLEMS:

The primary contaminants of concern at this site are benzene, toluene, ethylbenzene, xylene(BTEX), polycyclic aromatic hydrocarbons (PAHs), and cyanide. Investigations indicate a plume of groundwater contamination under the site that extends to the property line to the east and subsurface soil contamination due to the presence of dense nonaqueous phase liquids and purifier waste. Exceedances of standards, criteria, and guidance include BTEX and PAHs in groundwater and and subsurface soils.

A study was conducted to determine if the site had impacted the adjacent Bronx River. The site currently presents a significant environmental threat due to the ongoing releases of contaminants from source areas into the groundwater.

ASSESSMENT OF HEALTH PROBLEMS:

None provided

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



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



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**HAZARDOUS MATERIAL SPILLS INTRODUCTION**  
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The Hazardous Material Spills in this section are divided into eight spill cause groupings. These include:

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

- 1) Tank Failures
- 2) Tank Test Failures
- 3) Unknown Spill Cause or Other Spill Cause Hazardous Spills
- 4) Miscellaneous Spill Causes: Equipment Failure, Human Error, Tank Overfill, Deliberate Spill, Traffic Accidents, Housekeeping, Abandoned Drum, and Vandalism.

Closed Status Spills Section: Spills with completed paperwork that may or may not be cleaned up (See Date Cleanup Ceased)

- 5) Tank Failures
- 6) Tank Test Failures
- 7) Unknown Spill Cause or Other Spill Cause Hazardous Spills
- 8) Miscellaneous Spill Causes: Equipment Failure, Human Error, Tank Overfill, Deliberate Spill, Traffic Accidents, Housekeeping, Abandoned Drum, and Vandalism.

All spills within each spill cause category are presented in order of proximity to the subject site address.

**Please note that spills reported within 0.25 mile (or one-eighth mile in Manhattan) are mapped and profiled.**

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

- \* Tank Failures;
- \* Tank Test Failures;
- \* Unknown Spill Cause or Other Spill Cause;
- \* Spills greater than 100 units of quantity; and
- \* Spills reported in the NYSDEC Fall 1998 MTBE Survey.

A table at the end of each section presents a listing of reported Miscellaneous Spills with less than 100 units located between 0.25 mile (or one-eighth mile in Manhattan) and 0.5 mile. These spills are neither mapped nor profiled.



**ACTIVE TANK FAILURES IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS**

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

**Map Identification Number 2**      **1275 WESTCHESTER AVE**      **Spill Number: 8905394**      **Close Date:**  
 1275 WESTCHESTER AVENUE      BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION  
 Site location mapped by: MANUAL MAPPING (P3)  
 Approximate distance from property: 1728 feet to the SSW

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

Source of Spill: NON-MAJOR FACILITY (>1100 GAL)      Spiller: ASST. COMMISSIONER/DPM - NYC/HPD/DPM      Spiller Phone: (212) 863-7087  
 Notifier Type: DEC      Notifier Name:      Notifier Phone:  
 Caller Name: ANTHONY SIGONA      Caller Agency: NYSDEC      Caller Phone: (718) 482-4933  
 DEC Investigator: rvketani      Contact for more spill info:      Contact Person Phone:

Spill Class: KNOWN RELEASE THAT CREATES POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	PBS # Involved	Meets Cleanup Standards	Penalty Recommended
08/31/1989		TANK FAILURE	2-477443	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	GROUNDWATER
UNKNOWN PETROLEUM	UNKNOWN	3000	GALLONS	0	GALLONS	

Caller Remarks:

TANKS-A-LOT IS PUMPING OUT OIL MIXED WITH ASBESTOS FROM 1275 WESTCHESTER AVENUE, PUMPING OIL FROM PIT.

DEC Investigator Remarks:

- 7/27/05 - Transferred for closure review to M Johnson.
- 6/15/06 - Transferred for closure review to T Knizek.
- 9/7/06 - Austin - Assigned from Albany to Region 2 staff (Ketani) for review and closure - end

**Map Identification Number 3**

1555 SEABURY PLACE

BRONX, NY NO ZIP PROVIDED

**Spill Number: 0207061**

**Close Date:**

**MAP LOCATION INFORMATION**

Site location mapped by: MANUAL MAPPING (P3)  
 Approximate distance from property: 2074 feet to the NW

**ADDRESS CHANGE INFORMATION**

Revised street: NO CHANGE  
 Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL  
 Notifier Type: Other  
 Caller Name: MARK SALAMACK  
 DEC Investigator: SMSANGES

Spiller: CHERYL WILLIAMS - 1555 SEABURY PL HDFC  
 Notifier Name: SAME  
 Caller Agency: PETROLEUM TANK CLEANERS  
 Contact for more spill info: CHERYL WILLIAMS

Spiller Phone: (718) 842-4667  
 Notifier Phone:  
 Caller Phone: (718) 624-4842  
 Contact Person Phone: (718) 842-4667

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
10/08/2002		TANK FAILURE	NO		NO	

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#4 FUEL OIL	PETROLEUM	1000	GALLONS	0	GALLONS	SOIL

Caller Remarks:

TANK FAILURE AT ABOVE LOCATION. MATERIAL IS CONTAINED IN TANK ROOM OF BUILDING. CALLER HAS NO FURTHER INFORMATION AT THIS TIME.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "SANGESLAND"  
 COPY ECOS.

Building is a 50 unit co-op with 7 storefronts on the ground floor.

PBS # 2-330701

10/8/2002 - "a lot of oil on the ground" 6" to 8" deep in the tank room. Containment wall leaked, oil poured out into the boiler room. Floor is caked with oil (appears to be several historical spills)

10/9/2002 - Vought did a site visit. PTC to bid for price - if not, send letter and leave drums. Will send letter with requirements (?). Temp tank will be setup.

Eastmond has done work there in the past. No prior spill numbers are in the database.

Out in the boiler room, there are 2 areas (one is a sump area) approx 4' x 4' which are broken cement and appear to have contaminated soil/product in the hole.

PTC brought in 12 empty drums on 10/9 and put speedydry in 11 of 12.

10/15/2002 Marc from PTC will call back with update.

Speedy dry was cleaned up, Was product removed?

PTC told NOT to pressure wash until heavy oil cleanup is done.

10/16/2002 - PTC brought in 12 drums back on 10/9/2002.

Temp tank was installed by H&A Heating.

So far No washing has been done.

Between 15 and 20 bags of contaminated waste are piled on top of drums.

PTC is off the job, Belco Construction is now involved and will hire a new contractor to dispose of the contaminated material.

10/29/2002 - Sangesland spoke with Rich Lavado (917-690-7528) and to Co-op Manager Cheryl Williams. Brief discussion on what work has already been done and what further work needs to be done. It appears that the 12 existing drums and 15 to 20 bags need to be removed (with manifests). In addition, the two "broken" areas of the basement floor need to be opened up and cleaned out.

The tank room will need to be washed down, resealed (cement patch) and then epoxy painted.

Sangesland specifically asked Cheryl Williams to set up a site visit with Sangesland BEFORE work begins on the site.

11/22/2002 - Sangesland met on site with Cheryl Williams (Resident/Super?) and Rich LaVato (cell 646-235-4800).

Temp tanks are still set up. Main tank is still standing in the tank room (expected to be removed & replaced "soon"). Several bags and pails of contaminated soil/liquid remain piled up in the rear courtyard.

Hole in the tankroom floor is now open through the wall to the hole in the boilerroom floor. Standing oil/water in basement.

DEC asked for the following work to be done:

- 1) Vac out the standing water/oil with a vac truck.
- 2) Physically dig out as much contaminated soil as possible.
- 3) Fill in & cement/seal the tank room floor.
- 4) In boiler room, install a new sump pit with a sump pump hooked to an oil/water separator. Watch this separator for 3-4 months (take oil away as needed). If clean, take oil/water separator away.

Sangesland asked Rich Lavato to take lots of photos of each step in the remediation.

<b>Map Identification Number 4</b>	<b>JENNINGS ST &amp; STEBBINS AV</b>	<b>Spill Number: 9403146</b>	<b>Close Date:</b>
	JENNINGS ST / STEBBINS AV	BRONX, NY NO ZIP PROVIDED	
<b>MAP LOCATION INFORMATION</b>		<b>ADDRESS CHANGE INFORMATION</b>	
Site location mapped by: ADDRESS MATCHING		Revised street: NO CHANGE	
Approximate distance from property: 2386 feet to the W		Revised zip code: NO CHANGE	
Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER	Spiller: NYC DIV. OF REAL PROPERTY	Spiller Phone: (212) 442-0489	
Notifier Type: Affected Persons	Notifier Name:	Notifier Phone:	
Caller Name: CAROL WHITE	Caller Agency: BRONX COMM. BOARD #3	Caller Phone: (718) 589-6300	
DEC Investigator: Needs Reassignment	Contact for more spill info:	Contact Person Phone:	
Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN			
Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards
06/03/1994		TANK FAILURE	NO
			Penalty Recommended
			NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	-1.00	POUNDS	0.00	POUNDS	SOIL

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## Caller Remarks:

OIL SOAK SOIL AT SITE.

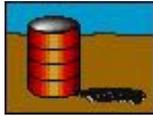
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## DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "DEMEO"  
8/1/02 TJD

Reassigned from Tomasello to DeMeo. Demeo performed site visit on 7/31/02. Spill report does not contain enough information to determine which property is suspected of having the contaminated soils. Notifier information is no longer valid.

On 7/1/05, J Peck called BCB #3 & found out that Carol (White) Maldonado was no longer with BCB #3. BCB #3's telephone no. is now 718 378 8054. BCB #3's address is 1426 Boston Rd. Bx. NY 10456. On 9/8/05, J. Peck talked with John Dudley, the District Manager for BCB #3. On 10/18/05, while checking a site nearby, J. Peck photographed the site through a fence. No determination could be made.



**ACTIVE TANK TEST FAILURES IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS**

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

**Map Identification Number 5**      **MURPHY CONSOLIDATED -NYCHA**  
1705 BRYANT AVE

**Spill Number: 9811582**      **Close Date:**  
BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION  
Site location mapped by: MANUAL MAPPING (P3)  
Approximate distance from property: 1449 feet to the N

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

Source of Spill: COMMERCIAL/INDUSTRIAL  
Notifier Type: Responsible Party  
Caller Name: SEBASTIAN LOREFICE  
DEC Investigator: KSTANG

Spiller: NYC HOUSING AUTHORITY  
Notifier Name: SEBASTIAN LOREFICE  
Caller Agency: NEW YORK CITY HOUSING AUT  
Contact for more spill info: FRANK OCELLO

Spiller Phone:  
Notifier Phone: (212) 306-3229  
Caller Phone: (212) 306-3229  
Contact Person Phone: (212) 306-3229

Spill Class: KNOWN RELEASE THAT CREATES POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
12/15/1998		TANK TEST FAILURE	NO		NO	

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

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
1	7500	Horner EZ Check I or II	0.00	UNKNOWN

Caller Remarks:

WILL ISOLATE AND RE-TEST

DEC Investigator Remarks:

12/02/05: This spill transferred from J.Kolleeny to S.Kraszewski.

02/03/06: This spill transferred from S.Kraszewski to Q.Abidi.

04/04/06: This spill transferred from Q. Abidi to Koon Tang.

**Map Identification Number 6**      **GETTY S/S #268 - GETTY PROPERTIES**  
 1185 BRONX RIVER AVE.

**Spill Number: 9209035**  
 BRONX, NY NO ZIP PROVIDED

**Close Date:**

MAP LOCATION INFORMATION  
 Site location mapped by: MANUAL MAPPING (P3)  
 Approximate distance from property: 1677 feet to the SSE

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

Source of Spill: GASOLINE STATION  
 Notifier Type: Tank Tester  
 Caller Name: TOM DYKSTRA  
 DEC Investigator: WXSUN

Spiller: GETTY  
 Notifier Name:  
 Caller Agency: TYREE BROS.  
 Contact for more spill info:

Spiller Phone:  
 Notifier Phone:  
 Caller Phone: (516) 249-3150  
 Contact Person Phone:

Spill Class: KNOWN RELEASE THAT CREATES POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
11/04/1992		TANK TEST FAILURE	NO		NO	

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
GASOLINE	PETROLEUM	-1.00	POUNDS	0.00	POUNDS	SOIL

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
		Unknown	0.00	UNKNOWN

Caller Remarks:

4 @ 550 GALS WILL REPAIR IN MORNING

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "VOUGHT"  
 3/13/03 REASSIGNED FROM ROMMEL TO VOUGHT.

08/31/2005 - Feng - Project transferred from Vought to Feng.

10/19/2005 - Feng - File reviewed by Feng:

Tank Closure Report, by Tyree, 11/1993. During 8/1993, ten (10) 550-gallon gasoline USTs were excavated and removed by Main Elmsford Company. Soil samples were collected.

Environmental Site Investigation Report, by Tyree, 12/1993. During 10/1993, Tyree installed four (4) monitoring wells. no groundwater encountered. Levels of aromatic hydrocarbons detected in split spoon soil samples collected during drilling, exceeded NYSDEC Soil Guidance Values.

Vapor Extraction Influence Pilot Test Report, by Tyree, 1/1995. During 1/1995, Tyree performed a Vapor Extraction Influence Pilot Test. Based upon findings of the vapor extraction influence pilot test a ROI of 15' can be achieved if a flow rate of 122 CFM at 20" of water is supplied to vapor extraction wells VW-1, VW-4, VW-5 and VW-7.

Remedial Action Plan, by Tyree, 2/1995. Outlines design and construction details of the SVES to remediate soil contamination detected during removal of the former gasoline UST.

SVES installed by Tyree, 4/1995. the SVES consists of six (6) 4-inch diameter vapor extraction wells which are individually manifolded to 2" diameter Schedule 40 PVC headers. The PVC headers are extended to a 12' squared concrete pad. The PV headers were then manifolded to a skid mounted SVE skid. The SVE skid consists of a Roots 5 hp positive displacement blower and is equipped with pressure and temperature switches, a vapor drop tank (coalescer) with high water level switch, and an integrated control panel. The SVE skid was started during 3/1996.

Monitoring and gauging monthly on Vapor extraction wells VW-1 through VW-5, and VW-7 from the top of the well casings using a product/water interface probe.

The SVES was inspected, monthly, during the 12/1998 through 2/1999 monitoring quarter.

Semi Annual Monitoring Report, by Tyree, 7/2003-12/2003. 6 monitoring wells on site, only 2 were sampled, the others wells were dry. groundwater flow southerly. Analyticals show 255.7ppb BTEX and MTBE below MDL in VW-1 (20.21' bg), 6409.9ppb BTEX and MTBE below MDL in VW-4 (19.05' bg).

Semi Annual Monitoring Report, by Tyree, 1/2004-6/2004. 6 monitoring wells on site, only 1 were sampled, the others wells were dry. groundwater flow southerly. Analyticals show 4676.6ppb BTEX and MTBE below MDL in VW-4 (18.5' bg).

Semi Annual Monitoring Report, by Tyree, 7/2004-12/2004. 6 monitoring wells on site, only 1 were sampled, the others wells were dry. groundwater flow southerly. Analyticals show 1408.5ppb BTEX and MTBE below MDL in VW-4 (18.64' bg).

**Map Identification Number 7**

**CHASE BANK**  
1536 WESTCHESTER AVE

**Spill Number: 0402409**  
BRONX, NY NO ZIP PROVIDED

**Close Date:**

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (P3)  
Approximate distance from property: 2339 feet to the ESE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE  
Revised zip code: NO CHANGE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER  
 Notifier Type: Tank Tester  
 Caller Name: JOHN LEDDY  
 DEC Investigator: HRPATEL

Spiller: PAUL DYRLAND - CHASE BANK  
 Notifier Name: JOHN LEDDY  
 Caller Agency: PRO- TEST  
 Contact for more spill info: PAUL DYRLAND

Spiller Phone: (718) 441-6800 ext. 1  
 Notifier Phone: (631) 321-4670  
 Caller Phone: (631) 321-4670  
 Contact Person Phone: (718) 441-6800 ext. 1

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;NO CORRECTIVE ACTION REQUIRED

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
06/04/2004		TANK TEST FAILURE	NO		NO	

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

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
1	1500	Hornor EZ Check I or II	0.00	UNKNOWN

Caller Remarks:

KNOW THAT THERE IS A VENT PROBLEM:

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "TIPPLE"  
 TTF ltr

12/19/05 Feroze. Spill is transferred from Ketani to Feroze.

02/23/06. Feroze talked with Mr.Paul 718-441-6800 of New York heating. They did the tank tightness test at this site. He will submit me the report soon.  
 It is 1500 gallons capacity tank but it is not registered.

03/15/06. Spill is transferred from Feroze to Kumer Patel.

03/21/06-Hiralkumar Patel. Spoke with John at Protest and he will call back with information.

03/23/06-Hiralkumar Patel. REceived call from John from Protest. as per him, they did tank test only. the dry portion was leaking. John is not sure about isolation test. they haven't did any further work on site.

Spoke with Mr. Dryland (FAX: 718-849-2905) at New York Heating. as per him this tank on site is UST of 1500 gal capacity. tank has two fill lines, one is remote one and this remote fill port was not in use for last 10 years. old fill line is plugged with cement at street level, but never capped at tank end. Paul is going on site to cap the old fill line at tank end. when Protest

did tank test in 06, 2004 they found test failed, but Paul thinks that was because of old fill line. Once Paul done with capping old fill line, he will contact ProTest and ProTest will do tank test again. if tank fails, they will do isolation test. i have asked Paul to call me back once they decide with tank test date. this property has another tank on site also. and property also using gas heating system. Paul knows about registration of those tank. Paul gave me person's name and number who is handling this site.

Tom Oteranto  
Chase Manhattan Bank  
(347) 386-4670

Spoke with Tom and he told me that Paul Deri is handling the tank registration and testing thing at bank. as per Tom property has only one tank. due to signal problem, line disconnected before i get Paul Deri's number.  
from reverse phone directory, phone number for site address is (718) 935-9935. dialed general number and got Paul Deri on phone.

Correspondence address:

Paul Deri  
Chase Manhattan Bank Area Branches Boynton Avenue  
1536 Westchester Ave  
Bronx, NY 10472  
Ph. (516) 574-6276  
(917) 440-6327  
FAX (516) 574-6262

Alternate Address:

Paul Deri  
1985 Marcus Avenue  
New Hyde Park, NY 11042

as per Mr. Deri they have only one tank on location and they are already in process of registering it. Paul Dryland will excavate soil and will remove old fill line from location. TTF sent out to Mr. Deri requesting tank test and tank registration.

04/24/06-Hiralkumar Patel. Received call from Charles Powers (Off.: 516-932-3228, Cell: 516-448-5004). as per Mr. Powers, Mr. Deri is done with registration of tanks. Mr. powers knows that they have disconnected fill line and filled with cement. the tank top is open. asked Mr. Power to do isolation test of tank only to find out integrity of tank before abandoned it. he will email me with his plan of work.  
Received email from Mr. Powers.

06/05/06-Hiralkumar Patel. Left message for Mr. Powers.

06/06/06-Hiralkumar Patel. Received call from Mr. Powers. they will do isolation test tomorrow. he will call back as soon as he gets test results.

06/09/06-Hiralkumar Patel. Received message from Mr. Powers. Left message for Mr. Powers.

06/16/06-Hiralkumar Patel. Received message from Mr. Powers. Spoke to Mr. Powers. as the tank is so close to building and have only single access is sidewalk, it is so hard to remove tank from location. asked Mr. Powers to take soil samples around the tank atleast 2 ft below bottom of tank and also soil samples through bottom of tank. he will email me PID readings of this soil samples and once he gets lab results, will call/email me.

08/14/06-Hiralkumar Patel. spoke with Mr. Powers. he got approval for geoprobe and will call once he gets soil results.



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

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

**Map Identification Number 8      UNDERGROUND TRANSFORMER      Spill Number: 9712148      Close Date:**  
 1565 WEST FARMS RD      BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION  
 Site location mapped by: MANUAL MAPPING (P2)  
 Approximate distance from property: 678 feet to the NNE

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

Source of Spill: UNKNOWN      Spiller: UNK      Spiller Phone:  
 Notifier Type: Affected Persons      Notifier Name: STEVE ROMERO      Notifier Phone: (212) 580-6763  
 Caller Name: STEVE ROMERO      Caller Agency: CON ED      Caller Phone: (212) 580-6763  
 DEC Investigator: JHOCONNE      Contact for more spill info:      Contact Person Phone:

Spill Class: KNOWN RELEASE THAT CREATES POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;UNKNOWN RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
01/30/1998		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN MATERIAL	OTHER	525.00	GALLONS	0.00	GALLONS	SEWER

Caller Remarks:

unk material has entered the a underground transformer material seems to be coming from under a garage door that belongs to Ferris Stahl Meyer packing corp. at 1560 Boone Ave Bronx owner of that business has been contacted by caller but has not responded to scene spill is contained in the vs

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "ENGELHARDT"  
 114487

01/30/98 1944 HRS. G.LOPRIORE (FL) FOUND UNKNOWN SUBSTANCE IN VS 1773. SAMPLE TAKEN & YELLOW TAG PLACED IN VS. TAG #09500  
FORMAN COULD NOT TELL IF THERE WAS A SUMP PUMP PRESENT DUE TO AMOUNT OF SUBSTANCE IN VS. NO SEWER CONNECTION & NO  
OUTSIDE IMPACT. UNKNOWN SUBSTANCE IS COMMING FROM UNDER A GARAGE DOOR UNIT FROM THE FERRIS STAHL MEYER PACKING CORP.  
AT 1560 BOOM AV. PHOTO REQ. CIG NOTIFY ABOUT UPDATE 2105 HRS. A REPRESENTIVE OF THE ABOVE STORE DID NOT WANT TO TALK ABOUT  
THE SUBSTANCE & WAS NOT CONCERNED.J.SCHLEMBACH 32616.

-----A.Bucci #57523-----

I was instructed by A.Chang told to notify CIG that this is going to be a third party spill. I spoke with R.Roach at 0821.

10 feb. 1998 16:40..... A.Tortora went out to loc. and took another sample. He is sampling for I.D not PCB.

-----  
12-FEB-98

THE SECOND SAMPLE INDICATED AGAIN INSUFICIENT MATERIAL. ENV AFFAIRS A. CHANG TO VISIT THE LOCATION AND PROVIDE DIRECTION.  
E. DE LA HOZ 79237

=====

SAMPLE RESULTS RECIEVED 3/2/98...<1PPM 1254 AROCLOR  
P SCHMID 58060 3/3/98

=====

05-MAR-98

ENV A.CHANG RECOMMEDS TCLP SAMPLING BEFORE CLEANUP. A NEW SAMPLE WILL BE REQUESTED.

From: Chang, Angel CHANGA - CONED

To: Delahoz, Eddy EDELAHOZ - TAODGN

cc: Cawley, Timothy P. CAWLEYT - CONED

Subject: FW: By R. NEVIN 98-02528

The benzene value came below the RCRA limits. This is the job near the packaging facility and a candidate for a third party spill. Maybe we should also include it for sealing. The clean-up can proceed as less than 50ppm.

29-MAY-1998 14:30 HRS

CLEANUP STARTED AT THIS LOCATION TODAY. UG L.FISCHER REPORTS THAT THERE ARE FIVE 55- GAL GARBAGE CANS OUTSIDE THE FERRIS PACKING HOUSE FILLED WITH FOUL-SMELLING MEAT BYPRODUCTS. FISCHER REQUESTED THAT DEP BE NOTIFIED. I CONTACTED ERT AND EXPLAINED THE SITUATION. ERT LUKSHIDES SPOKE TO STANLEY BALDWIN FROM THE DEP. DEP REFERRED HER TO THE ENVIRONMENTAL POLICE UNIT (DEP DOES NOT COVER THESE TYPE OF CASES). NO ONE AVAILIABLE AT THE E.P.U. CLEANUP IN PROGRESS USING 5000 GAL TANKER. FISCHER REPORTS THERE IS NO OIL PRESENT - SLIGHT GREASY FILM & ODOR. LUKSHIDES RECOMMENDS THAT ANY FUTURE CLEANUP OF THIS MATERIAL WOULD NOT REQUIRE A TANKER TRUCK BASED ON OUR KNOWLEDGE OF THE SITUATION AND THE SAMPLE RESULTS.

MAY 29, 1998 JOB COMPLETED AND TAG REMOVED. CREW REPORTS THAT HOLE HAS A FRESH WATER LEAK AND THE CITY NEEDS TO RESPOND TO THE SITUATION.

<b>Map Identification Number 9</b>	<b>COMMERCIAL PROPERTY</b>	<b>Spill Number: 0504741</b>	<b>Close Date:</b>
	1301-1321 LEWIS NINE BLV	BRONX, NY NO ZIP PROVIDED	
MAP LOCATION INFORMATION		ADDRESS CHANGE INFORMATION	
Site location mapped by: MANUAL MAPPING (P4)		Revised street: 1311 LOUIS NINE BLVD	
Approximate distance from property: 1830 feet to the WSW		Revised zip code: 10459	
Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER	Spiller: WALTER ROBERTS - COMMERCIAL PROPERTY	Spiller Phone: (212) 863-8482	
Notifier Type: Other	Notifier Name: BENJAMIN ALTER	Notifier Phone: (973) 256-7800	
Caller Name: BENJAMIN ALTER	Caller Agency: GZA ENVIR	Caller Phone: (973) 256-7800	
DEC Investigator: KSTANG	Contact for more spill info: WALTER ROBERTS	Contact Person Phone: (212) 863-8482	

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
07/20/2005		OTHER	NO	NO

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

Caller Remarks:

FOUND AN ABANDON TANK WHILE SOIL TESTING:

DEC Investigator Remarks:

04/13/06- Case was transferred from Jake Krimgold to Koon Tang.

**Map Identification Number 10**      **1624 BOSTON RD**      **Spill Number: 9707749**      **Close Date:**  
 1624 BOSTON RD      BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION  
 Site location mapped by: MANUAL MAPPING (P3)  
 Approximate distance from property: 1909 feet to the NW

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

Source of Spill: GASOLINE STATION	Spiller: EAGLE S/S	Spiller Phone:
Notifier Type: Other	Notifier Name:	Notifier Phone:
Caller Name: PETER DIGRAZIA	Caller Agency: MAIN ELMSFORD CORP	Caller Phone: (914) 632-2818
DEC Investigator: KSTANG	Contact for more spill info: TANIR GAYR	Contact Person Phone: (718) 328-0118

Spill Class: KNOWN RELEASE THAT CREATES POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;UNABLE/UNWILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
10/01/1997		OTHER	NO	NO

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

Caller Remarks:

CALLER STATES HE IS REMOVING TANKS FROM GASOLINE STATION AND HAS NOTICED AN ODOR OF GASOLINE. CALLER STATES THERE IS NOT A SPILL.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "VOUGHT"  
 04/12/04

TRANSFERRED FROM TIBBE TO VOUGHT.

9-23-05 - TRANSFERRED FROM VOUGHT TO OBLIGADO

**Map Identification Number 11**      **FORMER BP AMOCO STATION #60024**  
 1776 SOUTHERN BOULEVARD

**Spill Number: 0212264**      **Close Date:**  
 BRONX, NY 10460

MAP LOCATION INFORMATION  
 Site location mapped by: MANUAL MAPPING (P3)  
 Approximate distance from property: 2269 feet to the NNW

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

Source of Spill: GASOLINE STATION  
 Notifier Type: Other  
 Caller Name: BRAD FISHER  
 DEC Investigator: rjfeng

Spiller: BRAD FISHER, DELTA ENV. - BP AMOCO  
 Notifier Name:  
 Caller Agency: DELTA ENVIRONMENTAL  
 Contact for more spill info: BRAD FISHER

Spiller Phone: (914) 765-8198  
 Notifier Phone:  
 Caller Phone: (914) 765-8198  
 Contact Person Phone: (914) 765-8198

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	PBS # Involved	Meets Cleanup Standards	Penalty Recommended
03/12/2003		UNKNOWN	2-292664	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
GASOLINE	PETROLEUM	0	GALLONS	0	GALLONS	GROUNDWATER
MTBE (METHYL-TERT-BUTYL ETHER)	HAZARDOUS MATERIAL	0	UNKNOWN	0	UNKNOWN	
BTEX	OXYGENATES	0	UNKNOWN	0	UNKNOWN	

Caller Remarks:

lab results - soil borings identified soil & groundwater impacts

DEC Investigator Remarks:

PBS 2-292664

9/18/03 UST closure report and subsurface hydrocarbon assessment report received. VOC concentrations in excess of TAGM remain on site within the tank excavation and adjacent to pump islands.

12/10/03 Reassigned from Vought to Foley.

UST closure report review:

7/24-8/1/03 Four 4000gal double-walled steel gas USTs excavated. PID readings ranged from 102 to 3457ppm(southeastern most gas tank). Lab analysis of post-ex samples collected from sidewalls of tank field identified VOCs in excess of TAGM. Total BTEX

ranged from 90ppb(SW-6(7')) to 524,620ppb(SW-1(7')). Total VOCs ranged from 273ppb(SW-6(7')) to 1,265,000ppb(SW-1(7')). Bottom samples collected identified total BTEX between 76ppb(B-4(12')) and 4325ppb(B-2(12')). Total VOCs in bottom samples ranged from 3070ppb(B-4(12')) to 13,516ppb(B-2(12')).

Lab analysis of pump island and piping post-ex soil samples identified total BTEX from ND(P-2, 2') to 82,659ppb(P-8, 2'). Total VOCs from 12ppb(P-2,2') to 220,645ppb(P-8, 2').

227tons of petroleum impacted soils were removed.

SHAR review:

Land use is generally commercial/residential. Bronx River is located downgradient 2000ft southeast of site. Saint Thomas Aquinas School is crossgradient 1000ft south-southeast. An apartment building with retail establishments at ground level contain basements along Southern Blvd.

Groundwater is between 5-10' bgs.

Soil analysis from five borings showed only one exceedance for benzene in SB-3(5-6') at 124ppb. Groundwater was encountered at approx 5'bgs. Borings were converted to MWs and samples were collected on 2/28/03. Total BTEX in groundwater ranged from 7ppb(SB-4) to 11,273ppb(SB-2). Total VOCs ranged from 24ppb(SB-4) to 15,269ppb(SB-2).

On 7/8/03, four two-inch monitoring wells (MW-1, MW-2, MW-3 and MW-4) were installed between 10.5 to 11.8' bgs. Groundwater encountered between 5.9-9.95' bgs. MW-4 was dry at time of sampling. No LNAPL present. Analysis showed VOCs in excess of TAGM. Total BTEX ranged from 20ppb(MW-3) to 22,512ppb(MW-1). Total VOCs ranged from 654ppb(MW-3) to 38,305ppb(MW-1).

3/2/06 Update from B. Fisher, Delta Environmental. Former BP site now a new non-BP service station. BP has been tied up in a legal matter with owner and do not have access to complete work.

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

**Map Identification Number 12**      **BRONXDALE HOUSES -NYCHA**      **Spill Number: 9711292**      **Close Date:**  
 1471 WATSON AVE      BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION      ADDRESS CHANGE INFORMATION  
 Site location mapped by: MANUAL MAPPING (3)      Revised street: NO CHANGE  
 Approximate distance from property: 2425 feet to the SSE      Revised zip code: NO CHANGE

Source of Spill: PRIVATE DWELLING	Spiller: FRANK OCELLO - NYC HOUSING AUTHORITY	Spiller Phone: (212) 306-3229
Notifier Type: Other	Notifier Name: STEVEN SACCACIO	Notifier Phone: (718) 482-6364
Caller Name: FRAN ARCHEY	Caller Agency: A L EASTMOND	Caller Phone: (718) 378-3000
DEC Investigator: KSTANG	Contact for more spill info: NYC HOUSING AUTHORITY	Contact Person Phone: (212) 306-3000

Spill Class: KNOWN RELEASE THAT CREATES POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
01/08/1998		UNKNOWN	NO		NO	
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

CALLER STATING THEY ENCOUNTERED CONTAMINATED SOIL WHILE REMOVING AN OLD TANK. SOIL WILL BE REMOVED.

DEC Investigator Remarks:

12/08/05: This spill transferred from J.Kolleeny to S.Kraszewski.

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

**Map Identification Number 13**      **SOUTHEAST CORNER**  
 E 170TH ST/STIBBENS AV

**Spill Number: 0003855**      **Close Date:**  
 BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION      ADDRESS CHANGE INFORMATION  
 Site location mapped by: ADDRESS MATCHING      Revised street: E 170TH ST / STEBBINS AVE  
 Approximate distance from property: 2483 feet to the W      Revised zip code: 10459

Source of Spill: UNKNOWN      Spiller: ANGELO ELMI - NYC DESIGN & CONSTRUCTION      Spiller Phone: (718) 391-1388  
 Notifier Type: Other      Notifier Name: RICHARD WETHERBEE      Notifier Phone: (212) 922-0077  
 Caller Name: RICHARD WETHERBEE      Caller Agency: WARREN & PANZER      Caller Phone: (212) 922-0077  
 DEC Investigator: AHMED      Contact for more spill info:      Contact Person Phone:

Spill Class: KNOWN RELEASE THAT CREATES POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
05/22/2000		UNKNOWN	NO		NO	
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL
UNKNOWN MATERIAL	UNKNOWN	0	GALLONS	0	GALLONS	

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Caller Remarks:

SAMPLE RESULTS CAME BACK SHOWING ELEVATED READINGS FOR PAH'S - PROPOSED SITE FOR A NEW BLDG

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



**ACTIVE HAZARDOUS SPILLS - MISC. SPILL CAUSES - EQUIPMENT FAILURE, HUMAN ERROR, TANK OVERFILL, DELIBERATE SPILL, TRAFFIC ACCIDENT, HOUSEKEEPING, ABANDONED DRUM, AND VANDALISM - IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS.**  
 All spills mapped and profiled within 1/4 mile. Between 1/4 mile and 1/2 mile search radius, spills reported to be greater than 100 units and spills reported in the NYSDEC Fall 1998 MTBE Survey are mapped and profiled. Spills reported to be less than 100 units are listed in a table at the end of this section.

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

**Map Identification Number 14      1151 ELDER AVE      Spill Number: 9300135      Close Date:**  
 1151 ELDER AVE      BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (P3)  
 Approximate distance from property: 2367 feet to the SE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE  
 Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL      Spiller: APT 1151 ELDEN AVE      Spiller Phone: (718) 589-3408  
 Notifier Type: Other      Notifier Name:      Notifier Phone:  
 Caller Name: BOB CAPOZELLO      Caller Agency:      Caller Phone: (718) 272-2800  
 DEC Investigator: SFRAHMAN      Contact for more spill info:      Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
04/02/1993		EQUIPMENT FAILURE	NO		NO	

Material Spilled	Material Class	Quantity Spilled		Quantity Recovered		Resource(s) Affected
		Units		Units		
#6 FUEL OIL	PETROLEUM	100.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

TANK LEAKING DON'T KNOW WHY ABC OFFERED A PRICE, WON'T OKAY WORK.

DEC Investigator Remarks:

Spoke with Donna, from ABC Tank repair. They have no record of any completed work order.

Albany assignment: "dmpokrzy"

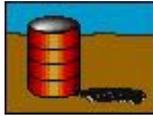
Address Corretion: Elder Ave (not Elden)

Donna, from ABC Mgt. said a proposal was submitted, but no work order was ever completed. Referred me to a # (718)842-3948 David at Eckstien Management. 1009 E. 14th St. Brooklyn. Left 2 messages, 08/19/05, and 08/25/05. Waiting for call return.

9/7/06 - Austin - Assigned from Albany to Region 2 staff (Rahman) for review and closure - end

**THE FOLLOWING ACTIVE SPILLS FOR THIS CATEGORY WERE REPORTED BETWEEN 1/4 MILE AND 1/2 MILE SEARCH RADIUS FROM THE SUBJECT ADDRESS. THESE SPILLS WERE REPORTED TO BE LESS THAN 100 UNITS IN QUANTITY AND CAUSED BY: EQUIPMENT FAILURE, HUMAN ERROR, TANK OVERFILL, DELIBERATE SPILL, TRAFFIC ACCIDENT, HOUSEKEEPING, ABANDONED DRUM, OR VANDALISM. THESE SPILLS ARE NEITHER MAPPED NOR PROFILED IN THIS REPORT.**

FACILITY ID	FACILITY NAME	STREET	CITY
0011836	DOS BRONX EAST 3A GARAGE	1661 WEST FARMS RD	BRONX
9810571	BRONX EAST 03A DOS -DDC	1661 WEST FARMS ROAD	BRONX
0600981	GETTY # 329	1441 WESTCHESTER AVE	BRONX
0602329	GETTY #329	1441 WESTCHESTER AVE	BRONX
0513591	GETTY #329	1441 WESTCHESTER AVE	BRONX
0514102	GETTY#329	1441 WESTCHESTER AVE	BRONX
0600017	GETTY 329	1441 WESTCHESTER AVE	BRONX
0513591	GETTY #329	1441 WESTCHESTER AVE	BRONX
0514102	GETTY#329	1441 WESTCHESTER AVE	BRONX
0600017	GETTY 329	1441 WESTCHESTER AVE	BRONX
9700109	WELFARE OFFICE BLDG - GETTY PROPERTIES #329	1209 COLGATE AVE	BRONX
0515004	GETTY #268	1185 BRONX RIVER AVE	BRONX
0600785	GETTY #268	1185 BRONX RIVER AVE	BRONX
0601534	GETTY 268	1185 BRONX RIVER AVE	BRONX
0604641	GETTY #268	1185 BRONX RIVER AVE	BRONX
0515004	GETTY #268	1185 BRONX RIVER AVE	BRONX
0508452	PRIVATE RESIDENCE	1137 VYSE AVE	BRONX
9201510	1151 E 165TH ST	1151 E 165TH ST	BRONX
8908309	BRONX RIVER HOUSES -NYCHA	1575 EAST 174TH STREET	BRONX



**CLOSED STATUS TANK FAILURES IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS**

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

**Map Identification Number 15**      **PRG PACKING**  
1560 BOONE AVE

**Spill Number: 0307241**      **Close Date: 07/19/2005**  
BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION  
Site location mapped by: MANUAL MAPPING (3)  
Approximate distance from property: 678 feet to the NNE

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

Source of Spill: COMMERCIAL/INDUSTRIAL  
Notifier Type: Other  
Caller Name: ANONYMOUS  
DEC Investigator: MXTIPPLE

Spiller: PRG PACKING  
Notifier Name: GUILLERMO GONZALEZ  
Caller Agency:  
Contact for more spill info:

Spiller Phone:  
Notifier Phone: (718) 328-0059  
Caller Phone:  
Contact Person Phone:

Spill Class: POSSIBLE REL WITH MIN POTENTIAL FOR FIRE OR HAZARD (OR KNOWN REL W/ NO DAMAGE);NO DEC RESP;WILLING RP;CORR ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
10/09/2003		TANK FAILURE	NO		NO	

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

Caller Remarks:

10,000 GAL ABOVE GROUND TANK IS LEAKING - CALLER WAS CONTACTED FOR CLEAN UP - THEY HAVE NOT BEEN HIRED YET THOUGH

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "TIPPLE"  
10/9/03-Sangesland spoke with "Anna" at PRG Packing 718-328-0059.

She says several companies have been in to bid on replacing the tank, but she says there is no leak.

She says the building closes at 4PM and no one can see the tank later today. The building opens at 6AM.

10/10/03 Tipple visited site//tank replacement//remediation in progress

6/16/04 tipple sent letter requesting documentation and work to continue  
 3/23/05 Tipple sent letter requiring gw monitoring to continue

7/19/05 Report reviewed//NFA letter sent

**Map Identification Number 16      HUNTS POINT AUTO PARTS      Spill Number: 9702732      Close Date: 11/28/2005**  
 1480 SHERDIAN EXPRESSWAY      BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION      ADDRESS CHANGE INFORMATION  
 Site location mapped by: MANUAL MAPPING (3)      Revised street: 1480 SHERIDAN EXWY  
 Approximate distance from property: 816 feet to the SSE      Revised zip code: 10459

Source of Spill: COMMERCIAL/INDUSTRIAL      Spiller: JOE SIMONE - HUNTS POINT AUTO PARTS      Spiller Phone: (718) 893-0303  
 Notifier Type: Tank Tester      Notifier Name: MARK TUROFF      Notifier Phone: (718) 257-8470  
 Caller Name: MARK TUROFF      Caller Agency: TRINITY PETROLEUM SYSTEMS      Caller Phone: (718) 257-8470  
 DEC Investigator: RCEDWARD      Contact for more spill info: JOE SIMONE      Contact Person Phone: (718) 893-0303

Spill Class: KNOWN RELEASE THAT CREATES POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
06/03/1997		TANK FAILURE	YES		NO	

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

Caller Remarks:

OLD TANKS WHICH WERE FILLED WITH WATER YEARS AGO WERE BEING  
 PRESSURE TESTED PER THE FIRE DEPT FOR TEN YEAR TEST  
 TANKS ORIGINALLY WERE FOR DIESEL AND GASOILNE

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "ROMMEL"  
 3x550. Closed with water more than 5 years ago. FD required 10 year test because they were still listed as active. All 3 tanks  
 (2 gas & 1 diesel) failed.

4/12/04-Vought-Spill transferred from Tibbe to Rommel as per Rommel.

11/28/05 -Edwards - per file - Tanks removed. Remediation report and analytical results submitted to DEC 8/97.

**Map Identification Number 17**      **GARCIA RESIDENCE**      **Spill Number: 0413444**      **Close Date: 05/27/2005**  
 1316 WHEELER AVENUE      NEW YORK, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION  
 Site location mapped by: MANUAL MAPPING (P3)  
 Approximate distance from property: 1335 feet to the E

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

Source of Spill: PRIVATE DWELLING	Spiller: MRS. GARCIA - GARCIA RESIDENCE	Spiller Phone: (718) 861-4158
Notifier Type: Citizen	Notifier Name: MRS. GARCIA	Notifier Phone: (718) 861-4158
Caller Name: LYDIA CORREA	Caller Agency: STUYVESANT FUEL OIL	Caller Phone: (718) 665-5700
DEC Investigator: SFRAHMAN	Contact for more spill info: MRS. GARCIA	Contact Person Phone: (718) 861-4158

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
03/26/2005		TANK FAILURE	NO		NO	

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

Homeowner noticed fuel oil leaking under 275 gallon oil tank in basement. Bucket was placed to catch spill. USA Tanks on scene, and will handle. No oil spilled onto basement floor. 1/2 gallon oil is in bucket.

DEC Investigator Remarks:

3/29/05-Vought-Spill contained before hitting concrete. No sewers or drains affected. Vought called Correa for status of tank repair and she called USA Tanks. Proposal sent to owner for tank replacement by USA Tank. Vought called Garcia and to leave message that for spill to be closed, copy of invoice must be received for AST replacement. Stuyvesant Fuel Oil will no longer make deliveries until AST is repaired. No answer of phone. Spill referred to DEC Rahman to send out letter requiring invoice of repair or replace.

03/29/05-SR// Sent a leaking tank repair letter.

04/18/05-SR//No reply received from the home owner. No body picks up the phone. USA tanks also unable to hold the owner. So, they sent a proposal for the repair work via mail. Need site inspection.

04/18/05-SR// Visited the site.Homeowner was not available and could not access the basement.

04/19/05-SR//After a series of attempt, homeowner Ms. Juan Garcia(718-861-4158) was found on the phone this evening. She informed about the possible repair work to be done by this week.

**Map Identification Number 18**      **GETTY SVC STATION**      **Spill Number: 9504305**      **Close Date: 01/05/2006**  
 1441 WESTCHESTER AVE      BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION      ADDRESS CHANGE INFORMATION  
 Site location mapped by: MANUAL MAPPING (P3)      Revised street: NO CHANGE  
 Approximate distance from property: 1454 feet to the SSE      Revised zip code: NO CHANGE

Source of Spill: GASOLINE STATION      Spiller: GETTY STATION      Spiller Phone:  
 Notifier Type: Other      Notifier Name:      Notifier Phone:  
 Caller Name: LAURIE JODICE      Caller Agency: LARRY TYREE CO      Caller Phone: (516) 249-3150  
 DEC Investigator: rjfeng      Contact for more spill info:      Contact Person Phone:

Spill Class: KNOWN RELEASE THAT CREATES A FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
07/10/1995		TANK FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
GASOLINE	PETROLEUM	-1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:  
 COMPANY IS REMOVING UNDERGROUND TANKS AND HAVE FOUND CONTAMINATED SOIL NOTE/ CALLER WAS GIVEN A WRONG # OF 95-04280

DEC Investigator Remarks:  
 Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "VOUGHT"  
 SEE ALSO 97-04954 & 97-12845 & 97-00109.

04/11/03  
 Transferred from Tibbe to Vought  
 08/31/2005 - Feng - Project transferred from Vought to Feng.  
 10/20/2005 - Feng - Refer to Spill#: 97-00109  
 1/5/2006 - Feng - Spill closed and refer to 97-00109 @ same location. (RJF)

**Map Identification Number 19 TANK LEAK IN REAR YARD**  
1347 BOYNTON AVE

**Spill Number: 0400237 Close Date: 01/12/2006**  
BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION  
Site location mapped by: MANUAL MAPPING (P3)  
Approximate distance from property: 1651 feet to the ENE

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

Source of Spill: PRIVATE DWELLING  
Notifier Type: Affected Persons  
Caller Name: RUBEN CARBREAR  
DEC Investigator: JMZALEWS

Spiller: CHAKRABORTY HIRONMOY - PRIVATE REIDENCE  
Notifier Name: RUBEN CARBREAR  
Caller Agency: OWNER 1349 BOYNTON AVE  
Contact for more spill info:

Spiller Phone:  
Notifier Phone: (917) 299-8289  
Caller Phone: (917) 299-8289  
Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
04/08/2004		TANK FAILURE	NO		NO	

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

Caller Remarks:

CALLER SAYS HIS NIEGHBORS OIL LINE IS BROKEN AND IS LEAKING ON HIS PROPERTY< WOULD LIKE SOMEONE TO CHECK OUT SOAKED IN SOIL:

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "DEMEO"  
4/8/2004 Sangesland spoke to Mr. Ruben Carbrear, owner of 1349 Boynton Ave, Bronx. He says oil is coming through the ground from a leak on his neighbor's property at 1347 Boynton Ave.

House at 1347 Boynton is in foreclosure and has had alot of Emergency Repair work done on it in the last 2 years by the city HPD. This house has an outdoor #2 oil tank standing in the back of the house. It looks like a new copper line going from the tank into the basement. The old copper line is discarded nearby. The area under this oil tank is saturated with oil and this oil has now migrated over the property line into the yard of 1349 Boynton.

Access to the yard of 1349 Boynton is available by ringing the bell at #2B of 1349.

Sangesland spoke to Deputy Inspector Harry Brown (718-579-6772) at the NYC- HPD. Mr. Brown was told that it appears that HPD

contractors have done work on this site over the last several months which seems to have caused the spill problem. This area needs to be dug out, cleaned and then refilled and tank set up again. Mr. Brown said he would send an inspector to the site and if a spill was found, a contractor would be hired to conduct the cleanup.

Sangesland requested that HPD contact the DEC to arrange a joint visit to the building to discuss the clean up.

4/13/2004 Sangesland spoke with HPD Harry Brown. He said an inspector did go to the site and did see an oil leak problem. The case was referred to the HPD "Emergency Repairs" dept. Contact is Persey Young 212-863-8747. A message was left at this number for Mr. Young.

4/23/2004 Sangesland spoke with Persey Young of HPD. He said a contract was awarded to clean up the site at 1347 Boynton. He didn't know why this work has not yet started. Sangesland asked Mr. Young to contact Ruben Carberear (owner of 1349) to tell him what work would be done and when it would be done.

DEC needs to make contact with the HPD hired contractor to confirm that proper endpoint samples will be taken and a complete closure report will be submitted.

09/09/2005 - Changed DEC lead from Demeo to Zalewski. (Zalewski)

11/3/2005 - Spoke with Persey Young (HPD). He said that his records show that they inspected the site on May 12, 2004 and the spill was taken care of by the property owner. They closed the case on May 12, 2004. Placed a phone call to the original caller. He was NA. (Zalewski)

11/4/2005 - Placed another phone call to the original caller. He was NA. I was given his cellphone number. Tried cellphone. No answer. (Zalewski)

1/12/2006 - Placed a phone call to the original caller's cellphone. He confirmed that the new owner remediated the spill. He was satisfied with the cleanup. Based on the available information, no further action. (Zalewski)

**Map Identification Number 20**      **1797 VYSE AVE**  
 1797 VYSE AV

**Spill Number: 0112238**      **Close Date: 03/06/2006**  
 BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION  
 Site location mapped by: MANUAL MAPPING (P3)  
 Approximate distance from property: 2241 feet to the N

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

Source of Spill: COMMERCIAL/INDUSTRIAL  
 Notifier Type: Other  
 Caller Name: SHARIMA RYAN  
 DEC Investigator: SLBENJAM

Spiller: UNKNOWN  
 Notifier Name:  
 Caller Agency: R N D SERVICES INC  
 Contact for more spill info:

Spiller Phone:  
 Notifier Phone:  
 Caller Phone: (845) 348-6355  
 Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

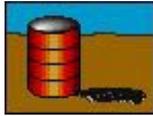
Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
03/28/2002		TANK FAILURE	NO		NO	

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

Caller Remarks:  
 they found contaminated soil during a tank removal - they will excavated the soil

DEC Investigator Remarks:  
 Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "ROMMEL"  
 12/2/2003 Transferred from Sangesland to Rommel  
 PM changed to S. Benjamin on 6/15/2005. Groundwater was sampled on October 25, 2005 and analyzed for VOCs and SVOCs. The results did not indicate the presence of any of these compounds. Spill closed.



**CLOSED STATUS TANK TEST FAILURES IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS**

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

**Map Identification Number 21      MADISON SQUARE BOYS & GIRLS CLUB HOUSE      Spill Number: 0104700      Close Date: 07/14/2005**  
 1665 HOE AV      BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION  
 Site location mapped by: MANUAL MAPPING (P3)  
 Approximate distance from property: 1566 feet to the NNW

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

Source of Spill: PRIVATE DWELLING      Spiller: CEDERIC DEW - MADISON AV CLUB      Spiller Phone: (718) 328-3900 ext. 1  
 Notifier Type: Tank Tester      Notifier Name: EMPLOYEE      Notifier Phone:  
 Caller Name: JIM DONELAN      Caller Agency: PROTEST ENTERPRISES      Caller Phone: (631) 321-4670  
 DEC Investigator: RXMUSTIC      Contact for more spill info: CEDERIC DEW      Contact Person Phone: (718) 328-3900 ext. 1

Spill Class: KNOWN RELEASE THAT CREATES POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	PBS # Involved	Meets Cleanup Standards	Penalty Recommended
08/01/2001		TANK TEST FAILURE	2-607913	NO	NO

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

Caller Remarks:

no comments

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "KRIMGOLD"  
 John Leddy Protest submitted passing report for test on 10/2/01. PBS (Jie) did not process the passing test reports due to discrepancy of tank capacity.

01/26/04

TRANSFERRED FROM ROMMEL TO AUSTIN  
02/17/04: Reassigned from AUSTIN to KRIMGOLD.

Mustico - 10/2/2001, Protest Enterprises conducted an excavate and isolate, and tank retest. Sent 05/29/2002 letter to Mr. Moore of Madison Square Boys & Girls Club House with passing test report conducted on 10/2/2001.

**Map Identification Number 22**      **CLOSED-LACKOF RECENT INFO**      **Spill Number: 8704609**      **Close Date: 03/03/2003**  
985 EAST 167TH STREET      NEW YORK CITY, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION  
Site location mapped by: MANUAL MAPPING (P2)  
Approximate distance from property: 2360 feet to the SW

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

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER  
Notifier Type: Tank Tester  
Caller Name:  
DEC Investigator: ADMIN. CLOSED

Spiller: ARCHDIOCESE ST. JOHN  
Notifier Name:  
Caller Agency:  
Contact for more spill info:

Spiller Phone:  
Notifier Phone:  
Caller Phone:  
Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
09/02/1987		TANK TEST FAILURE	NO		NO	
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	-1.00	POUNDS	0.00	POUNDS	GROUNDWATER

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
		Unknown	0.00	UNKNOWN

Caller Remarks:

EXCAVATING, ISOLATING, AND RE-TESTING.

CLOSED DUE TO LACK OF ANY RECENT INFO-DOES NOT MEET ANY CLEAN UP REQUIREMENTS.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "ADMIN.CLOSED"

/ / : Update 9/22/87:2K Tank Of #2 F.O. Failed Test At 12:20 Hrs, Leak Rate Of -.3493 Gph.3/3/2003-Austin- Closed Due To The Nature / Extent Of The Spill Report.

**Map Identification Number 23**      **BRONXDALE HOUSES -NYCHA**      **Spill Number: 9006953**      **Close Date: 01/12/1998**  
 1471 WATSON AVE      BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION  
 Site location mapped by: MANUAL MAPPING (3)  
 Approximate distance from property: 2425 feet to the SSE

ADDRESS CHANGE INFORMATION  
 Revised street: 1471 WATSON AVENUE  
 Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL      Spiller: NYCHA      Spiller Phone: (212) 306-3142  
 Notifier Type: Tank Tester      Notifier Name:      Notifier Phone:  
 Caller Name: ROBERT CANDELFO      Caller Agency: TANK TESTING INC      Caller Phone: (718) 789-3700  
 DEC Investigator: SACCACIO      Contact for more spill info:      Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	PBS # Involved	Meets Cleanup Standards	Penalty Recommended
09/25/1990		TANK TEST FAILURE	2-473529	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	-1.00	POUNDS	0.00	POUNDS	SOIL

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
001		Unknown	0.00	UNKNOWN

Caller Remarks:

10K TANK FAILED HORNER EZY CHECK WITH A GROSS LEAK IN MANWAY, WILL EXCAVATE, ISOLATE & RETEST.

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

**Map Identification Number 24**      **18-30 SOUTHERN BLVD**  
 18-30 SOUTHERN BLVD

**Spill Number: 8904473**      **Close Date: 09/30/1992**  
 NEW YORK CITY, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION  
 Site location mapped by: MANUAL MAPPING (P4)  
 Approximate distance from property: 2540 feet to the N

ADDRESS CHANGE INFORMATION  
 Revised street: 1830 SOUTHERN BLVD  
 Revised zip code: 10460

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER  
 Notifier Type: Tank Tester  
 Caller Name: SEBASTIAN LOREFICE  
 DEC Investigator: BATTISTA

Spiller: NYC TRANSIT AUTHORITY  
 Notifier Name:  
 Caller Agency: TANK TESTING  
 Contact for more spill info:

Spiller Phone:  
 Notifier Phone:  
 Caller Phone: (718) 789-3770  
 Contact Person Phone:

Spill Class: KNOWN RELEASE THAT CREATES POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
08/04/1989	09/30/1992	TANK TEST FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#4 FUEL OIL	PETROLEUM	-1.00	UNKNOWN	0.00	UNKNOWN	GROUNDWATER

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
		Unknown	0.00	UNKNOWN

Caller Remarks:

7.5K TANK FAILED HORNER EZY CHECK WITH A GROSS LEAK, COULDN'T STABILIZE, WILL EXCAVATE & INVESTIGATE.

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

**Map Identification Number 25**      **CLOSED-LACKOF RECENT INFO**  
 1372 STRAFFORD AVE.

**Spill Number: 8704437**      **Close Date: 03/03/2003**  
 NEW YORK CITY, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION  
 Site location mapped by: MANUAL MAPPING (P3)  
 Approximate distance from property: 2561 feet to the ENE

ADDRESS CHANGE INFORMATION  
 Revised street: 1372 STRATFORD AVE  
 Revised zip code: 10472

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER  
 Notifier Type: Tank Tester  
 Caller Name:  
 DEC Investigator: ADMIN. CLOSED

Spiller: ST. JOAN OF ARK  
 Notifier Name:  
 Caller Agency:  
 Contact for more spill info:

Spiller Phone: (212) 843-2233  
 Notifier Phone:  
 Caller Phone:  
 Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
08/28/1987		TANK TEST FAILURE	NO		NO	
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	-1.00	POUNDS	0.00	POUNDS	GROUNDWATER

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
		Unknown	0.00	UNKNOWN

Caller Remarks:

5K TANK SYSTEM FAILED HORNER TEST, HIGH VOLUME LEAK, TO ISOLATE AND RETEST. CONTACT REV. KEEHAN AT 212 843-2233.CLOSED DUE TO LACK OF ANY RECENT INFO-DOES NOT MEET ANY CLEAN UP REQUIREMENTS.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "ADMIN.CLOSED"  
 3/3/2003 Closed Due To The Nature / Extent Of The Spill Report

Map Identification Number 26 BRONX RIVER HOUSES -NYCHA  
 1575 EAST 174TH STREET

Spill Number: 9412464 Close Date: 02/03/2006  
 BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION  
 Site location mapped by: MANUAL MAPPING (P6)  
 Approximate distance from property: 2570 feet to the ENE

ADDRESS CHANGE INFORMATION  
 Revised street: NO CHANGE  
 Revised zip code: 10472

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER  
 Notifier Type: Tank Tester  
 Caller Name: MARIO MANDALONE  
 DEC Investigator: SWKRASZE

Spiller: NYC HOUSING AUTHORITY  
 Notifier Name:  
 Caller Agency: NYC HOUSING AUTHORITY  
 Contact for more spill info:

Spiller Phone: (212) 306-3142  
 Notifier Phone:  
 Caller Phone: (212) 306-3142  
 Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
12/16/1994		TANK TEST FAILURE	NO		NO	
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#4 FUEL OIL	PETROLEUM	-1.00	GALLONS	0.00	GALLONS	SOIL

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
001		Unknown	0.00	UNKNOWN

Caller Remarks:

GROSS FAILURE - COULD NOT MAINTAIN LEVEL

DEC Investigator Remarks:

12/21/05: This spill transferred from J.Kolleeny to S.Kraszewski.

02/03/06: This spill closed to consolidate with open spill #8908309. - SK

**Map Identification Number 27** **BRONX RIVER HOUSES -NYCHA**  
1575 EAST 174TH STREET

**Spill Number: 9411941** **Close Date: 02/03/2006**  
BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION  
Site location mapped by: MANUAL MAPPING (P6)  
Approximate distance from property: 2570 feet to the ENE

ADDRESS CHANGE INFORMATION  
Revised street: 1605 EAST 174TH STREET  
Revised zip code: 10472

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER  
Notifier Type: Tank Tester  
Caller Name: SEBASTIAN LORIFICE  
DEC Investigator: SWKRASZE

Spiller: NYC HOUSING AUTHORITY  
Notifier Name:  
Caller Agency: NYC HOUSING AUTHORITY  
Contact for more spill info:

Spiller Phone: (212) 306-3142  
Notifier Phone:  
Caller Phone: (212) 306-3233  
Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
12/07/1994		TANK TEST FAILURE	NO		NO	

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#4 FUEL OIL	PETROLEUM	-1.00	GALLONS	0.00	GALLONS	SOIL

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
002		Unknown	0.00	UNKNOWN

Caller Remarks:

ISOLATE-REPAIR-RETEST

DEC Investigator Remarks:

12/21/05: This spill transferred from J.Kolleeny to S.Kraszewski.

02/03/06: This spill closed to consolidate with open spill #8908309. - SK

**Map Identification Number 28**      **1106 HOE AVE**      **Spill Number: 9108166**      **Close Date: 05/02/2000**  
 1106 HOE AVE      BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION  
 Site location mapped by: MANUAL MAPPING (P2)  
 Approximate distance from property: 2635 feet to the SSW

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

Source of Spill: COMMERCIAL/INDUSTRIAL	Spiller: NY TEL	Spiller Phone:
Notifier Type: Tank Tester	Notifier Name:	Notifier Phone:
Caller Name: S SCHUCK	Caller Agency:	Caller Phone: (516) 586-4900
DEC Investigator: MCTIBBE	Contact for more spill info:	Contact Person Phone:

Spill Class: KNOWN RELEASE THAT CREATES A FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
10/30/1991		TANK TEST FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIESEL	PETROLEUM	-1.00	POUNDS	0.00	POUNDS	SOIL

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TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
		Unknown	0.00	UNKNOWN

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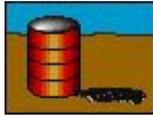
Caller Remarks:

E I & R

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DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "TIBBE"  
refer to 97-05834



**CLOSED STATUS UNKNOWN CAUSE SPILLS AND OTHER CAUSE SPILLS IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS**

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

**Map Identification Number 29**      **MANHOLE #26176**  
1471 W FARMS RD

**Spill Number: 9913455**      **Close Date: 07/10/2003**  
BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION  
Site location mapped by: MANUAL MAPPING (P2)  
Approximate distance from property: 88 feet to the SSW\*

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

Source of Spill: UNKNOWN  
Notifier Type: Affected Persons  
Caller Name: JIMMY FOX  
DEC Investigator: JHOCONNE

Spiller: UNKNWON  
Notifier Name: MR TRAYNOR  
Caller Agency: CON ED  
Contact for more spill info: JIMMY FOX

Spiller Phone:  
Notifier Phone: (212) 580-6763  
Caller Phone: (212) 580-6763  
Contact Person Phone: (212) 580-6763

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
02/28/2000		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

cleanup pending test results ref #130160

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "O'CONNELL"  
E2MIS 130160

Feb 28, 2000 @ 10:45

Lopriore, mechanic "A", reports while clean and flushing manhole # 26176 he noticed that oil was being sucked into truck. He immediately stopped cleanup.

Mechanic reports approximately 1 quart of unknown oil in mud at bottom of manhole. Samples were taken and cleanup will resume as 50-499 ppm. Conduit plate (15-l-3) indicates no sewer connection. Manhole has earthen sump and Chem-lab will be notified when sample of earthen sump can be taken.

Mar. 04, 2000

Cleanup completed by 00:40 hrs. by A. Guarino and E. Henn. The manhole was power washed with cleaning solution. According to A. Guarino there were no earthen sump. 400 gallons of water was removed along with 1 quart of unknown oil, which test results came back as less than 1 PPM. Tag number 24377 was removed.

03/04/00 @ 07:30 Hrs.

Closed out job.

17-DEC-2002 13:40

NYSDEC Return the following question:

DEC WAS GIVEN VERBAL SAMPLE RESULTS FROM CIG ON 2/28/00 AT 0500 HRS. OF 58 PPM PCB. E2MIS REPORT SAYS RESULTS ARE 1 PPM. WHY THE DISCREPANCY?

This incident did not occurred until 2/28/00 at 10:45, No verbal would have been given at 05:00 on 2/28/00.

NYSDEC was notified that the results of a Manhattan Electrical Distribution Incident 130079 were 58 ppm PCB by CIG R. Roach on 2/28/2000 05:18. This incidents NYS DEC spill number is 99-13455, the Manhattan incident with 58 ppm PCB is 99-13255.

**Map Identification Number 30**      **BRONX RIVER**  
 EAST 172ND ST/WESTCHESTER

**Spill Number: 9800775**      **Close Date: 02/12/2003**  
 BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION  
 Site location mapped by: MANUAL MAPPING (5)  
 Approximate distance from property: 713 feet to the SSE

ADDRESS CHANGE INFORMATION  
 Revised street: EAST 172ND ST / WESTCHESTER AV / BRONX RIVER  
 Revised zip code: 10472

Source of Spill: UNKNOWN	Spiller: UNKNOWN	Spiller Phone:
Notifier Type: Fire Department	Notifier Name:	Notifier Phone: (917) 769-0483
Caller Name: SOLLIN	Caller Agency: NYC FIRE	Caller Phone: (917) 769-0483
DEC Investigator: KGHale	Contact for more spill info: SOLLIN	Contact Person Phone: (917) 769-0483

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
04/17/1998		UNKNOWN	NO		NO	

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN MATERIAL	OTHER	0	GALLONS	0	GALLONS	SURFACE WATER

Caller Remarks:  
 UNKNOWN MATERIAL FOUND SPILLED IN ABOVE LOCATION. FIRE DEPT  
 ON SCENE AND ARE TRYING TO DETERMINE MATERIAL AND CAUSE OF  
 SPILL. REQUEST CALL BACK FROM DEC ASAP.

DEC Investigator Remarks:  
 Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "HALE"  
 02/12/2003-Closed Due To The Nature / Extent Of The Spill Report.

**Map Identification Number 31**      **MANHOLE 17607**  
 1431 LONGFELLOW AVE

**Spill Number: 0201783**      **Close Date: 06/07/2002**  
 BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION  
 Site location mapped by: MANUAL MAPPING (P3)  
 Approximate distance from property: 855 feet to the SW

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

Source of Spill: UNKNOWN	Spiller: UNK	Spiller Phone: (000) 000-0000
Notifier Type: Affected Persons	Notifier Name: ANDREW MORRIS	Notifier Phone: (212) 580-6763
Caller Name: ANDREW MORRIS	Caller Agency: CON EDISON	Caller Phone: (212) 580-6763
DEC Investigator: KMFOLEY	Contact for more spill info: CALLER	Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
05/18/2002		UNKNOWN	NO		NO	

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	2.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

caller states that there was a manhole fire. a car was parked on top of the manhole and the oil is poss from the veh. unk  
 coned#142864

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "FOLEY"  
 Con Ed e2mis #142864:

18-MAY-2002 06:05

Flush Mech W. Silkowski #82003 reports that he responded to a emergency outage to assist number nine when he observed ~ 2 gallons of unknown oil possibly from a car that was parked over the structure at the time that of the secondary burn out occurred. Environmental tag #32975 has been placed, and a sample has been taken. There was fire, and smoke involved and private property affected. There has been buildings evacuated at this location. How many is unknown at this time.

06:10 Astoria has no tanker.

06:15 Shift Manager has notified EH&S that the crew will be cutting all the mains that lead to the structure avoiding working in the unknown oil.

06:15 Chemist has been requested by Shift Manager T. Curley.

06:19 Chemist is being called in from home.

06:29 All State is in route to location.

18-MAY-2002 06:40

CIG Morris #85791 notified. Car that was involved in the incident is a 1986 Honda NYS licence plate #BRS-1355.

18-May-2002 07:30

Chemist was canceled, Flush Mech W. Silkowski will bring three samples out to chem lab to save time. Sample types taken. Oil ID, Flash point, and PCB.

18-May-2002 08:00

Update: There were six buildings involved in the evacuation, and all occupants were let back into the buildings at 06:30.

18-May-2002 09:15

Flush Mech E. Gafur #19528 reports All State Tanker on location.

09:25 EPA # requested from ERT S. Mahoney #86887.

09:30 EPA #NYP 004 098 471 generated. Update: Feeder number 4X55 OA at the time of this incident, and the fault is believed to be in this structure.

18-May-2002 10:00

Flush Mech W. Silkowski #82003 reports that the product in the structure was ignited by the faulty cable in the structure, and was extinguished by the FDNY. It appears that most of the product burnt off. Chem labs reports that the product is mostly water, and they will not be able to test for flash point.

18-May-2002 10:19

Flush Mech E. Gafur #19528 reports that clean up is complete at this time. All State Power Vac Tanker removed 600 gallons of unknown liquid the is being treated as 50-499 PCB. The structure was double washed by E. Gafur, and no solid waste other than a 4' X 8" piece of wood which was drummed, and transported back to Van Nest in a Con Ed Van that is not normally used for this

fuction. Clean up complete, and environmental tag is removed.

18-May-2002 11:20

Solid waste drum is not being transported to Van Nest, it will be picked up by Astoria Transportation. O.S. T. Tottora reported the there is no oil coming from the secondary, but the lead jacketed secondary is badly burnt. The waste is being treated as lead hazardous. 11:25 called Astoria for a drum pickup.

18-May-2002 14:00

Solid waste drum has been picked up.

Page 1 of 1 5/18/2002

Consolidated Edison

Environment, Health and Safety ChemLab

NELAP NY Lab ID No: 10380

Lab Sequence Number: 02-04476-001 Date Approved: 5/18/2002

E2 Incident Number: 142864 Date Received: 5/18/2002

Chain of Custody ID: CC01259 Date Sampled: 5/18/2002

PCB Analysis by EPA 608/8082

MATRIX: WATER GRAB

DESCRIPTION: WATER/OIL FROM MH#17607

LOCATION: F/O 1431 LONGFELLOW AVE

STRUCTURE: MANHOLE 17607 FEEDER ID:

QC ID: 01-200205120902

TEST DESCRIPTION RESULT UNIT METHOD

Aroclor 1242 < 1.0 ppm EPA 608/8082

Aroclor 1254 < 1.0 ppm EPA 608/8082

Aroclor 1248 < 1.0 ppm EPA 608/8082

Aroclor 1260 < 1.0 ppm EPA 608/8082

THE DCB SURROGATE WAS OUT OF THE QC LIMITS. SINCE ALL OF THE SAMPLE WAS USED, RE-ANALYSIS WAS NOT POSSIBLE. THE REPORTED PCB VALUE IS THE MINIMUM AMOUNT DETECTED. FLASHPOINT WAS NOT RUN DUE TO NATURE OF THE SAMPLE-ALL WATER MATRIX.

Approval Status: APPROVED

Approved By: Edward Chin

Title: SUPERVISOR

--End of Report-- Search for Results at: <http://q137lims/lims>

18-May-2002 14:10

All waste from this structure both liquid, and solid are being disposed of as lead hazardous waste due to sample result that were received less than 1 ppm PCB that is the only known hazardous substance in the waste.

**Map Identification Number 32 0940 (TRANSFORMER MANHOLE)**  
E 173 ST & W FARMS RD

**Spill Number: 0011553 Close Date: 06/05/2001**  
BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING  
Approximate distance from property: 870 feet to the NE

ADDRESS CHANGE INFORMATION

Revised street: E 173RD ST / W FARMS RD  
Revised zip code: 10460

Source of Spill: UNKNOWN  
Notifier Type: Affected Persons  
Caller Name: PETE MAGUIRE  
DEC Investigator: KMFOLEY

Spiller: UNKNOWN  
Notifier Name: MR TRAYNOR  
Caller Agency: CON ED  
Contact for more spill info:

Spiller Phone:  
Notifier Phone: (212) 580-6765  
Caller Phone: (212) 580-6765  
Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
01/25/2001		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

1 PINT UNK OIL - CLEAN UP PENDING LAB RESULTS - REF #135224

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "FOLEY"  
CON ED E2MIS REPORT 1-25-01

1pt of unknown oil on top of water and mud in TM #940. Conduit plate 16-m-1 indicates a sewer connection. TM was being pumped when sheen was noticed on top of water, pumping ws halted. Source /cause of spill unknown. samples taken

Arocor none; PCB <1.00ppm

Unit was pressure tested on 1-28-01 and passed. Secondary cables need to be replaced, the insulation is falling off the cbale which caused smoking in the vault. Cables were not replaced because of rain.

2-15-01 1300hrs.

Feeder 4x45 scheduled to be taken out of service this evening in order to perform a transformer replacement and an environmental cleanup on 2-16-01 has been cancelled due to a conflict with water pollution plant customer equipment. Feeder will be rescheduled for outage on 2-23-01.

19:45hrs.

Env. Ops. completed cleanup of TM. Crew removed approx. 1pt oil and 1.200gals. of water. Cleaned and double washed the TM, tag removed. Cleanup completed at 19:45hrs.

**Map Identification Number 33**      **MANHOLE 27283**      **Spill Number: 0007945**      **Close Date: 10/02/2000**  
 W FARM RD/E 173 RD ST      BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION      ADDRESS CHANGE INFORMATION  
 Site location mapped by: ADDRESS MATCHING      Revised street: E 173RD ST / W FARMS RD  
 Approximate distance from property: 870 feet to the NE      Revised zip code: NO CHANGE

Source of Spill: UNKNOWN      Spiller:      Spiller Phone:  
 Notifier Type: Affected Persons      Notifier Name: TED ROBICHAUD      Notifier Phone: (212) 580-6763  
 Caller Name: TED ROBICHAUD      Caller Agency: CON EDISON      Caller Phone: (212) 580-6763  
 DEC Investigator: JHOCONNE      Contact for more spill info: TED ROBICHAUD      Contact Person Phone: (212) 580-6763

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
10/05/2000		UNKNOWN	NO		NO	
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN MATERIAL	OTHER	1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

clenaup pending labs

133811

1 qt total product

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "O'CONNELL"  
 DEC Investigator Notes:

Third party spill from meat packing plant. Jane O'Connell referred Con Ed to NYC Dept of Health for follow-up. According to Con Ed's Larry Fischer of Bronx/Westchester Underground, there are three vaults that have been affected for many years by the same meat packing plant.

e2MIS Notes:

1 quart of unknown oil on top of 200 gallons of a mix of water, grease (from meat house in front of hole) and oil in manhole #27283. Appears to be a 3rd party spill from meat market. Conduit plate 16-m-1 indicates no sewer connection. Sample will be taken. Address of store 1565 West Farms Road is where 3rd party spill came from.

<b>Map Identification Number 34</b>	<b>STARLIGHT PARK</b>	<b>Spill Number: 0305387</b>	<b>Close Date: 11/14/2003</b>
	SHERIDAN EXPWY (E. 173RD)	BRONX, NY NO ZIP PROVIDED	
MAP LOCATION INFORMATION		ADDRESS CHANGE INFORMATION	
Site location mapped by: MANUAL MAPPING (2)		Revised street: NO CHANGE	
Approximate distance from property: 878 feet to the NE		Revised zip code: NO CHANGE	
Source of Spill: UNKNOWN	Spiller: SAME - UNKNOWN FOR NOW	Spiller Phone:	
Notifier Type: Affected Persons	Notifier Name: SAME	Notifier Phone:	
Caller Name: TOM HUSBAND	Caller Agency: TULLY CONSTRUCTION	Caller Phone: (917) 417-2112	
DEC Investigator: TJDEMEO	Contact for more spill info: TOM HUSBAND	Contact Person Phone: (917) 417-2112	

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
08/20/2003		OTHER	NO		NO	
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN MATERIAL	OTHER	0	GALLONS	0	GALLONS	SOIL

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Caller Remarks:

HE NOTICED A SPILL ON HIS PROPERTY. UNKNOWN WHEN IT OCCURRED LOOKS LIKE HYDRAULIC OIL OR FUEL OIL. SPILL IS IN THE CONSTRUCTION AREA

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DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "DEMEO"

Tom Husband of Tully Construction says someone dumped approx 5 gal of waste oil into an open excavation trench. Mr. Husband called Tully Environmental who said they would do the following:

- 1) excavate the problem, stage to plastic and cover
- 2) take endpoint samples
- 3) prepare a report to DEC with manifest, endpoint test results,  
writeup of problem & solution.

11/14/03 TJD

Site is an old MGP site being utilized by Tully Construction as a construction staging area for roadwork and rehabilitation of the Sheritan Expy. During site visit Demeo identified several areas with visible contamination from poor housekeeping. The most significant area of contamination was in the vicinity of a newly installed catch basin adjacent to the Bronx River. Tully project manager Tom Husband was informed of DEC inspection findings and directed to remediate impacts.

Tully excavated saturated soils from the impacted catch basin and has staged the material on site for disposal. Endpoint samples were taken revealing TAGM exceedances which are similar to known contamination which previously existed at this site as a result of the previous MGP operations. Remediation at site for impacts caused by Tully have been remediated.

Site does not meet standards. Spill closed.

**Map Identification Number 35**

1406-8 BRYANT AVE

BRONX, NY NO ZIP PROVIDED

**Spill Number: 0330022**

**Close Date: 09/02/2003**

**MAP LOCATION INFORMATION**

Site location mapped by: MANUAL MAPPING (3)  
 Approximate distance from property: 1133 feet to the SW

**ADDRESS CHANGE INFORMATION**

Revised street: NO CHANGE  
 Revised zip code: NO CHANGE

Source of Spill: UNKNOWN  
 Notifier Type: Responsible Party  
 Caller Name: RAYMOND FELICIANO  
 DEC Investigator: CESAWYER

Spiller: UNKNOWN  
 Notifier Name:  
 Caller Agency: SALEM PENTECOSTAL TEMPLE  
 Contact for more spill info: RAYMOND FELICIANO

Spiller Phone:  
 Notifier Phone: (718) 733-2965  
 Caller Phone: (917) 673-0105  
 Contact Person Phone: (718) 733-2965

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
07/25/2003		UNKNOWN	NO		NO	

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

Caller Remarks:

RECEIVED LAND FROM CITY AND WHEN THEY YANKED THE TANK THEY FOUND CONTAMINATED SOIL.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "SAWYER"  
 DDO SAWYER THE CLEANUP IS UNDERWAY.

8/11/03 Brookside contracted to do cleanup, soil samples taken 8/5/03. Project mgr.- Andrew Edgar 516-377-6300

End point samples to be taken either Thurs or Fri.8/14-15/03

9/2/03 Sawyer Reviewed laboratory results and since only one of the contaminants was above cleanup range (chrysene) sent no further action letter. Some soil manifest may follow. Closed.

**Map Identification Number 36**      **MANHOLE 495**  
 WEST FARM RD/ FREEDMAN ST

**Spill Number: 9908693**      **Close Date: 02/22/2002**  
 BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION  
 Site location mapped by: ADDRESS MATCHING  
 Approximate distance from property: 1144 feet to the SSW

ADDRESS CHANGE INFORMATION  
 Revised street: W FARMS RD / FREEMAN ST  
 Revised zip code: 10459

Source of Spill: COMMERCIAL/INDUSTRIAL	Spiller: UNKNOWN	Spiller Phone:
Notifier Type: Other	Notifier Name: MR MCCABE	Notifier Phone: (212) 580-6763
Caller Name: STEVEN CRIBBIN	Caller Agency: CON ED	Caller Phone: (212) 580-8576
DEC Investigator: COMENALE	Contact for more spill info: STEVEN CRIBBIN	Contact Person Phone: (212) 580-8576

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
10/18/1999		UNKNOWN	NO		NO	

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	2.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

2 gals of oil found ontop of the transformer. clean up pending lab results. con ed 128-499

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

**Map Identification Number 37**      **THOMAS RES**  
 1252 BRONX RIVER AVE

**Spill Number: 9815456**      **Close Date: 06/16/2004**  
 BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION  
 Site location mapped by: MANUAL MAPPING (P3)  
 Approximate distance from property: 1153 feet to the SE

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

Source of Spill: TANK TRUCK	Spiller: ROSE GUIDO - PETRO OIL	Spiller Phone: (718) 628-3349
Notifier Type: Responsible Party	Notifier Name: FRANK CORONA	Notifier Phone:
Caller Name: ROSE GUIDO	Caller Agency: PETRO OIL	Caller Phone: (718) 628-3349
DEC Investigator: JMKRIMGO	Contact for more spill info: MRS THOMAS	Contact Person Phone: (718) 893-8939

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

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Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended		
03/29/1999		UNKNOWN	NO		NO		

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Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	1.00	GALLONS	1.00	GALLONS	SOIL

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Caller Remarks:

fitting loosened after making delivery - clean up crew will respond

---

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "KRIMGOLD"  
 NO SEWERS OR DRAINS, CREW ON ITS WAY FOR CLEAN-UP. SPILL IS ONTO DIRT.

01/26/04

Reassigned from Rommel to Austin

02/17/04: Reassigned from AUSTIN to KRIMGOLD.

6/16/04. Unable to contact owner. Minimal spill. NFA.

**Map Identification Number 38**      **ON SIDEWALK**  
 1259 EVERGREEN AVE

**Spill Number: 0313583**  
 BRONX, NY NO ZIP PROVIDED

**Close Date: 06/07/2004**

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (P3)  
 Approximate distance from property: 1176 feet to the ESE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE  
 Revised zip code: NO CHANGE

Source of Spill: UNKNOWN Spiller: ERT DESK - ON SIDEWALK Spiller Phone: (212) 580-8383  
 Notifier Type: Responsible Party Notifier Name: BILL MURPHEY CON ED Notifier Phone: (212) 580-6763  
 Caller Name: BILL MURPHEY CON ED Caller Agency: CON ED Caller Phone: (212) 580-6763  
 DEC Investigator: SKARAKHA Contact for more spill info: ERT DESK Contact Person Phone: (212) 580-8383

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
03/11/2004		UNKNOWN	NO		NO	
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
MOTOR OIL	PETROLEUM	0	POUNDS	0	POUNDS	SOIL

Caller Remarks:

unknown cause and unknown spill sour. Con ed will clean up: No to 5 Questions; Con Ed # 152450

DEC Investigator Remarks:

e2mis 152450

Trouble Shooter HV Rafael Peralta 07981 reports finding third party spill of 1/4 gal. motor oil on soil and leaves bet. sidewalk and curb f/o 1259 Evergreen Av, Bx. from an unk. vehicle. No fire or smoke was/is involved. No release to sewer or waterways. Cleanup started by employee Peralta 07981 and Splicer Earl Hamilton 62670 at 08:50 hours.

Cleanup completed by employee Peralta 07981 and Splicer Earl Hamilton at 09:30 hours and 1 bag of non haz oily debris waste generated and disposed of at Van Nest SC waste handling area.

**Map Identification Number 39**      **APEX SALES**  
 1235 BRONX RIVER AVE

**Spill Number: 0605983**      **Close Date: 08/29/2006**  
 BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION  
 Site location mapped by: MANUAL MAPPING (P3)  
 Approximate distance from property: 1182 feet to the SE

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

Source of Spill: COMMERCIAL/INDUSTRIAL	Spiller: SALVAGE YARD	Spiller Phone:
Notifier Type: Local Agency	Notifier Name:	Notifier Phone:
Caller Name:	Caller Agency:	Caller Phone:
DEC Investigator: JBVOUGHT	Contact for more spill info:	Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
08/23/2006		OTHER	NO		NO	

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
GASOLINE	PETROLEUM	0	GALLONS	0	GALLONS	SOIL
MOTOR OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL
ANTIFREEZE	OTHER	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

Caller reports a fire at a salvage yard. Fire caused the spill of the materials. No cleanup company has been contacted. FDNY is on the scene. 2nd call at same time from FF Morris Hazmat 1 FDNY at 914.552.2516 requests on call rep to call. Petty Officer Sierra of US Coast Guard req call back from reg 2 DEC Rep in ref to impact of Bronx River @ 718-354-4121

DEC Investigator Remarks:

08/24/06-Vought-Off hours spill responder. Vought responded to spill on 8/23/06 at 21:00 and fire still in progress so site inspection not possible. Vought inspected Bronx River (separated from Apex Sales by train tracks) and no impact to Bronx River other than sheen. Sheen may also be biological but unable to tell due to lack of light. No free product or impacted wildlife noted. As per FDNY Hazamat three tanks were onsite: two (275-gallon) fuel oil and one (275-gallon) waste oil and currently tanks were not compromised. Buildings adjacent to site were evacuated however no toxic fumes noted (other than burning cars and debris). Contact information for owner is:

Apex Sales  
 Bill Maio  
 718-328-7000  
 cell: 914-760-3831.

Fire may have been started on adjacent train tracks. Vought received call from FDNY Chief Weinlein (718-999-7900) on 8/23 at 21:16pm and access to site still not possible. Vought told him that site inspection would be performed on 8/24/06 and he would be called with results. Vought called Weinlein and left message informing him that site inspection was performed and DEC's only requirement was recovery of small puddle of transmission oil (approximately 10' in diameter) in rear of property. Vought conveyed requirement to Bill Maio (owner) and owner will submit invoice and documents of cleanup (possible disposal manifest). Vought also met with Resa Dimino (Bronx River Alliance 718-430-4648) and walked River and site with her. She agreed on no spill to Bronx River and requested no further action from DEC. Vought received call from USCG (718-354-4121) and returned call and

left message with DEC requirement. Vought will followup with with cleanup of puddle of transmission oil on 8/25/06.

08/29/06-Vought-received letter from Apex Sales Towing & Leasing dated 8/25/06. "We have rectified all hazards to the yard at to your specifications. Enclosed please find receipt for the materials purchased to facilitate the removal of these hazards".  
 Receipt from S&S Adsorbents and EnviroWaste Oil Recovery also included for drumming and disposal of used adsorbent materials.  
 Spill closed by Vought

**Map Identification Number 40**      **MEDEX**      **Spill Number: 0302597**      **Close Date: 04/10/2006**  
 1028 FREEMAN ST      BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION  
 Site location mapped by: MANUAL MAPPING (P3)  
 Approximate distance from property: 1264 feet to the SSW

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

Source of Spill: COMMERCIAL/INDUSTRIAL      Spiller: RON OGRADY - MEDEX      Spiller Phone: (718) 617-1522  
 Notifier Type: Tank Tester      Notifier Name: MIKE SEPE      Notifier Phone: (631) 586-4900  
 Caller Name: MIKE SEPE      Caller Agency: FENLEY & NICOL ENVIRO.      Caller Phone: (631) 586-4900  
 DEC Investigator: jdjarrat      Contact for more spill info: RON OGRADY      Contact Person Phone: (718) 617-1522

Spill Class: POSSIBLE REL WITH MIN POTENTIAL FOR FIRE OR HAZARD (OR KNOWN REL W/ NO DAMAGE);NO DEC RESP;WILLING RP;CORR ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
06/11/2003		OTHER	NO	NO

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

Caller Remarks:

line test failure

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "ROMMEL"  
 Sangesland DDO

Sent TTF letter modified to read "Line Test Failure"

12/10/03 mt/// Transferred from Tipple to Rommel

7/15/05 Transferred to Jarratt (co)  
 Fenley & Nicol contacted about latest status of line failure - awaiting response.

10/3/05 Brian McCabe of Fenley & Nicol contacted for information. (631) 586-4900 ext. 191  
 2/27/06 Igor Goldstein of GC Engineering will remove tank and file report.  
 4/10/06 Report received. Spill closed.

**Map Identification Number 41**      **RESIDENCE**      **Spill Number: 0512325**      **Close Date: 01/25/2006**  
 1463 HOE AVE      BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION  
 Site location mapped by: MANUAL MAPPING (P2)  
 Approximate distance from property: 1271 feet to the W

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

Source of Spill: PRIVATE DWELLING      Spiller: CARMELLO SINTRON - RESIDENCE      Spiller Phone: (917) 645-5588  
 Notifier Type: Affected Persons      Notifier Name: CARMELLO SINTRON      Notifier Phone: (917) 645-5588  
 Caller Name: CARMELLO SINTRON      Caller Agency: RESIDENT      Caller Phone: (917) 645-5588  
 DEC Investigator: SFRAHMAN      Contact for more spill info: CARMELLO SINTRON      Contact Person Phone: (917) 645-5588

Spill Class: POSSIBLE REL WITH MIN POTENTIAL FOR FIRE OR HAZARD (OR KNOWN REL W/ NO DAMAGE);NO DEC RESP;WILLING RP;CORR ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
01/24/2006		OTHER	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN MATERIAL	OTHER	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

carbon from chimney is coming into the apartment, even with the windw closed, fumes are coming in the house and the ceiling is becomeing back in color. Called fire department yesterday and said that the landlord was working on the boiler and they would stop sorking for a day or so. they have not been professional and would like a call back

DEC Investigator Remarks:

01/25/06 Sharif//As per RSE, DEC Spill response unit does n't oversight this kind of complain. So, I called notifier Carmello Sintron to call NYC call center 311 and get the appropriate department involved with this matter.

**Map Identification Number 42**      **SERVICE BOX 2252**  
 1230 COLGATE AV

**Spill Number: 9912859**      **Close Date: 03/02/2000**  
 BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION  
 Site location mapped by: MANUAL MAPPING (P3)  
 Approximate distance from property: 1337 feet to the SE

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

Source of Spill: UNKNOWN  
 Notifier Type: Other  
 Caller Name: STEVEN CRIBBIN  
 DEC Investigator: JHOCONNE

Spiller: UNKNOWN  
 Notifier Name: MR MARKERT  
 Caller Agency: CON ED  
 Contact for more spill info: STEVEN CRIBBIN

Spiller Phone:  
 Notifier Phone:  
 Caller Phone: (212) 580-8576  
 Contact Person Phone: (212) 580-8576

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
02/11/2000		UNKNOWN	NO		NO	

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

Caller Remarks:

sheen found on water - clean up in progress - con ed 129948

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "O'CONNELL"  
 CON ED

E2 MIS REPORT

2/11/00

Oily sheen on approx. (100) gallons of water, Conduit plate 12-M indicates no sewer connection.

2/11/00 @12:00hrs. cleanup is in progress but will take longer than the two hours mentioned earlier, sheen is being soaked up with diapers.

2/11/00 @12:45 hrs. sheen in service box #2252 has been vleaned up (1) plastic bag of absorbant diapers was generated an dwill be disposed as industrial waste.

**Map Identification Number 43**      **VAULT #1664**      **Spill Number: 0504213**      **Close Date: 01/05/2006**  
 SOUTHERN BLVD      BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION  
 Site location mapped by: MANUAL MAPPING (P6)  
 Approximate distance from property: 1383 feet to the W

ADDRESS CHANGE INFORMATION  
 Revised street: 1460 SOUTHERN BLVD  
 Revised zip code: 10460

Source of Spill: UNKNOWN	Spiller:	Spiller Phone:
Notifier Type: Other	Notifier Name: MR. FISHER	Notifier Phone: ( ) -
Caller Name: TIMOTHY PARKER	Caller Agency: CONED	Caller Phone: (212) 580-8383
DEC Investigator: SKARAKHA	Contact for more spill info: ERT DEST	Contact Person Phone: (212) 580-8383

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
07/10/2005		UNKNOWN	NO		NO	

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN MATERIAL	OTHER	1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

Unknown oily substance (2 quarts) spilled from an unknown source, on land, outside vault cover (grating). Not cleaned up as of yet.

DEC Investigator Remarks:

e2mis no 159642

Larry McDuffie reports finding ~ 2 qts of unknown oily substance on 500 gallons of water. No sewers, waterways or private property were affected. Crew feels that a fast food resturant (HUT FRIED CHICKEN & PIZZA, 1460 Southern Blvd-718-620- 1860) is dumping the substance into the Company facility. The grating of the vault has the same substance all over it. Crew hung environmental tag # 42864 in structure. Crew took 2 samples for PCB & OIL ID on chain of custody (dd-13428). Clean up pending sample results.

Lab Sequence Number: 05-06738-001 Date Approved: 7/10/2005  
 Total PCB <1 PPM

Lab Sequence Number: 05-06739-001 Date Approved: 7/10/2005

Analysis indicates the presence of a substance similar to a cooking oil.

04-August-2005 02:47 Hrs

Flush Mechanic Michael Williams 83739, reports cleanup complete, structure was double washed and rinsed, flush truck removed 1/2 cubic yard of nonhazardous flush debris, CFS tanker removed 250 gallons of nonhazardous oily water, source of oil appears to be from Hun Chicken, a restaurant next to the vault, dumping used cooking oil into the structure. Environmental tag has been removed.

**Map Identification Number 44**      **BRONX RIVER**      **Spill Number: 0008407**      **Close Date: 05/03/2005**  
 WESTCHESTER AVE      BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (5)  
 Approximate distance from property: 1392 feet to the SSE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE  
 Revised zip code: UNKNOWN

Source of Spill: UNKNOWN	Spiller: UNKNOWN	Spiller Phone:
Notifier Type: Citizen	Notifier Name:	Notifier Phone:
Caller Name: DIONISIO ROSA	Caller Agency: CITIZEN	Caller Phone: (718) 665-9402
DEC Investigator: SMSANGES	Contact for more spill info: CALLER	Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
10/18/2000		UNKNOWN	YES	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	0	GALLONS	0	GALLONS	SURFACE WATER

Caller Remarks:

caller reports sheen on water from pipe that goes into river.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "SANGESLAND"  
 A citizen called in a spill (#0008407) on the Bronx River, just south of Westchester Ave along the west side bulkhead of an abandoned cement plant. Sangesland responded to the site and did NOT see any sheen on the river.

Sangesland reported the spill to the USCG. Since Sangesland was headed out to the site, the USCG was short staffed and asked for a site report. Once at the site, Sangesland called the USCG back and said no spill was seen.

At the site, was a crew (15 people) from the NYC Parks Dept. who were cleaning up the lot and water's edge. Mr. Brian Aucoin (718-430-18) a Conservation Specialist with the Parks Dept. explained that the city got special funding to fight the West Nile Problem and they were removing several hundred old tires from the shore area and generally cleaning the site up. To prevent any garbage from floating downstream, the NYC DEP set up a boom across the river which is cleared frequently.

In addition to the garbage/tire issue, there was a break in the water main (to the on site fire hydrants) which was flooding the site and could have flushed out some surface contamination onto the river. DEP has been notified and they are trying to isolate and fix the line.

On the property Sangesland found 5 aboveground petroleum storage tanks which were abandoned when the cement plant was abandoned. They all appeared to be empty for quite some time with no signs of contamination around them. They are all closed (no rainwater going in) and all appeared to be secure. The Parks Dept person said this whole area was going to be demolished and rebuilt as a park.

Sangesland did not see any petroleum spillage or any obvious sources. Parks Dept. is cleaning up the site and they were asked to call the Spills Hotline if they see any type of spillage or sheen on the river.

<b>Map Identification Number 45</b>	<b>MANHOLE 8157</b>		<b>Spill Number: 0101819</b>	<b>Close Date: 06/19/2001</b>
	173RD ST AND HOE AVE		BRONX, NY NO ZIP PROVIDED	
MAP LOCATION INFORMATION		ADDRESS CHANGE INFORMATION		
Site location mapped by: ADDRESS MATCHING		Revised street: E 173RD ST / HOE AVE		
Approximate distance from property: 1412 feet to the NNW		Revised zip code: NO CHANGE		
Source of Spill: COMMERCIAL/INDUSTRIAL		Spiller: UNKNOWN	Spiller Phone:	
Notifier Type: Responsible Party		Notifier Name: BRIAN MCGEEVER	Notifier Phone: (212) 580-6765	
Caller Name: CHARLIE MCCARTHY		Caller Agency: CON EDISON	Caller Phone: (212) 580-6765	
DEC Investigator: JHOCONNE		Contact for more spill info: CHARLIE MCCARTHY	Contact Person Phone: (212) 580-6765	
Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN				
Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
05/16/2001		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

spill 2 quarts on top of 200 gallons of water will be cleaned up pending results con edison ref # 137114

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "O'CONNELL"  
 CON ED E2MIS REPORT 5-16-01

Found 2qts. of unknown oil on 200gals. of water in MH-8157. No sewers/waterways affected. tag installed and sample taken.

0635hrs.

Cannot clean spill within 24hrs.,no flush crew .

5-22-01 1342hrs.

Tanker removed 1500gals.of water, 2qts of oil. Flush truck 750lbs. of solids. The cleanup is complete at this time. Tag removed.

Total PCB <1ppm

**Map Identification Number 46**      **GETTY #276**  
 1720 BOONE AVE

**Spill Number: 9709839**  
 BRONX, NY NO ZIP PROVIDED

**Close Date: 09/24/2003**

MAP LOCATION INFORMATION  
 Site location mapped by: MANUAL MAPPING (P3)  
 Approximate distance from property: 1428 feet to the NNE

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

Source of Spill: GASOLINE STATION	Spiller: SCOTT J HANLEY - GETTY #276	Spiller Phone: (718) 324-5202
Notifier Type: Other	Notifier Name: CLIFF KELLER	Notifier Phone: (516) 249-3150
Caller Name: JOE PISEL	Caller Agency: TYREE ENVIROMENTAL	Caller Phone: (516) 249-3150
DEC Investigator: JBOUGHT	Contact for more spill info: SCOTT J HANLEY	Contact Person Phone: (718) 324-5202

Spill Class: KNOWN RELEASE THAT CREATES POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
11/24/1997		UNKNOWN	NO		NO	

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

Caller Remarks:

Upon tank removal contaminated soil was discovered. Soil is being stockpiled for removal.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "VOUGHT"  
3/13/03 REASSIGNED FROM ROMMEL TO VOUGHT.

4/30/2003-Vought-Report review by Vought.

Tank Closure Report-July 1998-Tyree Brothers (William Conroy-631-249-3150) Twelve (550-gallon) gasoline, one (550-gallon) fuel oil and one (550-gallon) waste oil UST removed on 11/24/97 due to property divestment. Residential apartment buildings located to north and west. Junkyard located "underneath the northeastern side of subject property". Part of site is located above ground on concrete pillars. Eight endpoint soil samples collected and analyzed for 8021/8270. 184.14 tons of impacted soil were removed from Site. Analyticals show PAH contamination under fuel oil tank (up to 1180ppb benzo(a)anthracene), PAH contamination in endpoint samples from waste oil tank (up to 1160ppB benzo(a)anthracene). Endpoint soil samples from gasoline excavation show up to 700ppb MTBE.

8/12/98-Letter sent by O'Dowd requiring subsurface contamination.

12/2/99-7/20/01-Quarterly Monitoring by Tyree. Three wells installed 7/99 showing up to 1090ppb MTBE in groundwater. Total phase high vacuum extraction on W-3 as of 8/15/2000 which ended as of 8/15/2000. No well installed down gradient (southWEST on 8/15/2000 report) of well showing highest contamination (W-3) at 1090ppb MTBE. 8/21/2000-7/20/2001 report shows flow direction to southEAST (with no downgradient wells) and MTBE concentration of 47ppb. 11/9/2000-5/8/2001 report indicated TPHVE on W-3. 8/21/2001 report shows flow direction to south again with no downgradient wells. 7/20/2001 report shows three monitoring wells with no TAGM 4046 exceedances despite no downgradient wells

9/6/2001-Vought-Tyree requests NFA on-site due to no TAGM exceedances.

4/15/2003-Vought-Vought receives message from Brendan Boderick (631-419-0913x27) and Tony Lichi (212-695-8900 regarding requesting report review/NFA letter.

5/1/2003-Vought-After report review NYSDEC requires downgradient water and soil samples, for new building on-site (as per discussion with owner Jay Kim 201-346-9684 (f), 201-954-1547 (p) on 5/1/2003) and current site and surrounding property sketch.

5/5/2003-Vought-Sends letter to Tyree denying NFA in addition to requirements from 5/1. Vought called Broderick and left a message with NFA denial and message of faxing letter to Mr. Kim.

7/18/03-Vought-Annual Monitoring Report-Two monitoring wells on-site (one well was destroyed). Groundwater flow to the south.

7/29/2003-Vought-Email to DEC from David Pachan (Tyree)-Two soil boring were performed downgradient from W-3 and refusal was encountered at 15'. Another geoprobe rig was scheduled to return to site to obtain water sample.

8/27/2003-Vought-Another attempt at obtaining groundwater sample resulted in four additional refusals. Deepest dry soil sample obtained from 15-17' and soil analyticals showed no TAGM 4046 Soil Cleanup Objective exceedances. No TAGM Groundwater exceedances. Spill closed by Vought as per DEC Rommel.

**Map Identification Number 47**      **NYC HUMAN RESOURCES**  
 1209 COLGATE AVENUE

**Spill Number: 9712845**      **Close Date: 02/18/1998**  
 BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (P3)  
 Approximate distance from property: 1489 feet to the SE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE  
 Revised zip code: NO CHANGE

Source of Spill: GASOLINE STATION  
 Notifier Type: Affected Persons  
 Caller Name: BARBARA QUINLAN  
 DEC Investigator: MCTIBBE

Spiller: GETTY GAS STATION  
 Notifier Name: BARBARA QUINLAN  
 Caller Agency: NYC HUMAN RESOURCES  
 Contact for more spill info: BARBARA QUINLAN

Spiller Phone:  
 Notifier Phone: (718) 589-2002  
 Caller Phone: (718) 589-2002  
 Contact Person Phone: (718) 589-2002

Spill Class: KNOWN RELEASE THAT CREATES A FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
02/18/1998		UNKNOWN	NO		NO	

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

Caller Remarks:

ONGOING PROBLEM. EVERYTIME IT RAINS, FUMES ENTER BUILDING THROUGH BASEMENT. CALLER STATES THAT DEC HAS BEEN NOTIFIED OF THIS BEFORE. CALLER ADVISED TO CALL FIRE DEPARTMENT IF ANYONE BECOMES SICK THERE.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "TIBBE"  
 REFER TO 97-00109. SEE ALSO 97-04954 & 95-04305.

**Map Identification Number 48**      **HUD HOUSING PROJECT**  
 1209 COLGATE AVE

**Spill Number: 9704954**      **Close Date: 11/19/1997**  
 BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (P3)  
 Approximate distance from property: 1489 feet to the SE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE  
 Revised zip code: NO CHANGE

Source of Spill: GASOLINE STATION  
 Notifier Type: Citizen  
 Caller Name: TERRY STALZER  
 DEC Investigator: MCTIBBE

Spiller: UNKNOWN - GAS STATION NEXT DOOR TO  
 Notifier Name:  
 Caller Agency: NYC DEP  
 Contact for more spill info: MRS QUINLAN

Spiller Phone:  
 Notifier Phone:  
 Caller Phone: (718) 565-6777  
 Contact Person Phone: (718) 589-2064

Spill Class: KNOWN RELEASE THAT CREATES POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
07/25/1997		UNKNOWN	NO		NO	
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
GASOLINE	PETROLEUM	0	GALLONS	0	GALLONS	AIR

Caller Remarks:

FD EVACUATED HUD HOUSING PROJECT YESTERDAY FOR SAME PROBLEM-SMELL OF GASOLINE IS COMING THROUGH BASEMENT WALL-CALLER STATES IT IS COMING FROM GAS STATION NEXT DOOR-NO ADRESS OR PHONE FOR IT

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "TIBBE" GETTY GAS STATION, REFER TO 97-00109. SEE ALSO 97-12845 & 95-04305.

**Map Identification Number 49**      **MURPHY CONSOLIDATED -NYCHA**  
 1700 HOE AVENUE

**Spill Number: 9008873**      **Close Date: 03/14/2006**  
 NEW YORK CITY, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION  
 Site location mapped by: MANUAL MAPPING (P3)  
 Approximate distance from property: 1630 feet to the NNW

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

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER  
 Notifier Type: Responsible Party  
 Caller Name: RICHARD MEVILLE  
 DEC Investigator: SWKRASZE

Spiller: NYCHA  
 Notifier Name:  
 Caller Agency: NYCHA  
 Contact for more spill info:

Spiller Phone:  
 Notifier Phone:  
 Caller Phone: (212) 306-3229  
 Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
11/13/1990		UNKNOWN	NO		NO	
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	10.00	GALLONS	0.00	GALLONS	SOIL

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
		Unknown	0.00	UNKNOWN

Caller Remarks:

POSSIBLE CRACK IN FILL BOX, SPILL CONTAINED & CLEANED UP.

DEC Investigator Remarks:

01/24/06: This spill transferred from J.Kolleeny to S.Kraszewski. - SK

03/14/06: This spill deemed no threat to the environment or public health and safety. This spill closed out. - SK

**Map Identification Number 50**      **STREET**      **Spill Number: 0310108**      **Close Date: 12/02/2003**  
 HOME ST AND WESTCHESTER A      NYC, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION  
 Site location mapped by: ADDRESS MATCHING  
 Approximate distance from property: 1656 feet to the S

ADDRESS CHANGE INFORMATION  
 Revised street: HOME ST / WESTCHESTER AV  
 Revised zip code: NO CHANGE

Source of Spill: TANK TRUCK	Spiller: NYPD - UNKNOWN	Spiller Phone: (646) 610-6020
Notifier Type: Police Department	Notifier Name: CANNELLY	Notifier Phone: (718) 610-6043
Caller Name: CANNELLY	Caller Agency: NYPD	Caller Phone: (718) 610-6043
DEC Investigator: CESAWYER	Contact for more spill info: NYPD	Contact Person Phone: (646) 610-6020

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
11/25/2003		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	1.00	GALLONS	0.00	GALLONS	SEWER

-----  
 Caller Remarks:

oil spilled from a truck for a block. oils could spilling sewer.

-----  
 DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "SAWYER"  
 Sanitation sanded

**Map Identification Number 51**      **1235 ELDER AV**      **Spill Number: 8805467**      **Close Date: 09/27/1988**  
 1235 ELDER AV      NYC, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION  
 Site location mapped by: MANUAL MAPPING (P3)  
 Approximate distance from property: 1777 feet to the ESE

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

Source of Spill: COMMERCIAL/INDUSTRIAL      Spiller: DO-ALL EXTERMINATORS      Spiller Phone: (212) 292-2719  
 Notifier Type: Affected Persons      Notifier Name:      Notifier Phone:  
 Caller Name: CARL PELLIGRINO      Caller Agency: USPEA      Caller Phone: (201) 321-6794  
 DEC Investigator: WEBLEY      Contact for more spill info:      Contact Person Phone:

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
09/21/1988	09/27/1988	OTHER	UNKNOWN	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	-1.00	GALLONS	0.00	GALLONS	SOIL

-----  
 Caller Remarks:

EXTERMINATORS USED TRACKING POWDER ON MRS BONOMO'S LAWN FOR RATS-LATERDISCOVERED THIS ISN'T TO BE USED IN RESIDENTIAL LOCATION.  
 CASE REFER-RED TO PESTICIDES UNIT.

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

**Map Identification Number 52**     **1787 WEST FARMS ROAD**  
 1787 W. FARMS ROAD

**Spill Number: 9501349**     **Close Date: 05/21/1998**  
 BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION  
 Site location mapped by: MANUAL MAPPING (P3)  
 Approximate distance from property: 1778 feet to the NNE

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

Source of Spill: COMMERCIAL/INDUSTRIAL  
 Notifier Type: Other  
 Caller Name: WILLIAM FILONELL  
 DEC Investigator: JMKRIMGO

Spiller: NYCDOS  
 Notifier Name:  
 Caller Agency: LEHRER, MCGOVERN, BOVIS  
 Contact for more spill info:

Spiller Phone: (718) 542-3232  
 Notifier Phone:  
 Caller Phone: (718) 937-3286  
 Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
05/02/1995		UNKNOWN	NO		NO	

Material Spilled	Material Class	Quantity Spilled		Quantity Recovered		Resource(s) Affected
		Spilled	Units	Recovered	Units	
DIESEL	PETROLEUM	-1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

DETECTED ODOR OF PAINT PRODUCT WHILE DOING A SITE EVALUATION.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "KRIMGOLD"  
 See ISRP.

**Map Identification Number 53**     **BRONX EAST A DOS -DDC**  
 1787 WEST FARMS ROAD

**Spill Number: 0485277**     **Close Date: 12/07/2004**  
 BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION  
 Site location mapped by: MANUAL MAPPING (P3)  
 Approximate distance from property: 1778 feet to the NNE

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

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER  
 Notifier Type: DEC  
 Caller Name: JON KOLLEENY  
 DEC Investigator: JAKOLLEE

Spiller: NYC DEPT. OF SANITATION  
 Notifier Name:  
 Caller Agency: NYSDEC  
 Contact for more spill info:

Spiller Phone:  
 Notifier Phone:  
 Caller Phone: (718) 482-6388  
 Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
12/07/2004		UNKNOWN	YES		NO	
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
GASOLINE	PETROLEUM	0	UNKNOWN	0	UNKNOWN	SOIL, GROUNDWATER

Caller Remarks:

Two 2K tanks, gasoline & diesel, closed-in-place in 1995. Follow-up investigation found low levels of residual soil and groundwater contamination.

DEC Investigator Remarks:

Two 2K tanks, gasoline & diesel, closed-in-place in 1995. Follow-up investigation by LiRo Engineers, summarized in Feb. 2002 ISRP report, found low levels of residual soil and groundwater contamination. DEC approved monitored natural attenuation. After several years of groundwater monitoring, samples from all wells in October 2004 showed groundwater meeting State standards.

OK to close. - J. Kolleeny

**Map Identification Number 54**      **BRONX EAST A DOS -DDC**      **Spill Number: 0109268**      **Close Date: 12/20/2001**  
 1787 WEST FARMS ROAD      BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION  
 Site location mapped by: MANUAL MAPPING (P3)  
 Approximate distance from property: 1778 feet to the NNE

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

Source of Spill: UNKNOWN	Spiller: NY CITY SANITATION	Spiller Phone:
Notifier Type: Other	Notifier Name:	Notifier Phone:
Caller Name: MIKE BYRNE	Caller Agency: LIRO KASSNER	Caller Phone: (716) 882-5476
DEC Investigator: JMKRIMGO	Contact for more spill info: MIKE BYRNE	Contact Person Phone: (716) 882-5476

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
12/19/2001		UNKNOWN	NO		NO	
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

CALLER STATES PRODUCT IS IN MONITORING WELL INVESTIGATION CONTINUING

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "KRIMGOLD"  
 WRONG SPILL LOCATION REPORTED. THE PRODUCT IN WELLS WAS FOUND AT 1661 WEST FARM RD., WHICH IS AT THE BRONX 3A DOS GARAGE AND  
 ALREADY HAS A SPILL # 9810571 ASSIGN TO IT.

**Map Identification Number 55      1170 BRONX RIVER AVE      Spill Number: 9109586      Close Date: 02/28/2003**  
 1170 BRONX RIVER AVE      BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (P3)  
 Approximate distance from property: 1781 feet to the SSE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE  
 Revised zip code: NO CHANGE

Source of Spill: PASSENGER VEHICLE	Spiller: BRADFORD SWEET REAL ESTAT	Spiller Phone: (212) 772-7550
Notifier Type: Other	Notifier Name:	Notifier Phone:
Caller Name: M HALL	Caller Agency: EMS	Caller Phone: (718) 862-4594
DEC Investigator: O'DOWD	Contact for more spill info:	Contact Person Phone:

Spill Class: KNOWN RELEASE THAT CREATES A FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
12/05/1991		UNKNOWN	NO		NO	

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
GASOLINE	PETROLEUM	-1.00	GALLONS	0.00	GALLONS	GROUNDWATER

Caller Remarks:

SHEEN ON GROUNDWATER IN ONE OF FOUR BORING SITES.

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

**Map Identification Number 56**     **HOE ST. SEEPAGE**  
1206 HOE AVE.

**Spill Number: 8600851**  
NEW YORK CITY, NY NO ZIP PROVIDED

**Close Date: 05/05/1986**

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (P2)  
Approximate distance from property: 1789 feet to the SW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE  
Revised zip code: NO CHANGE

Source of Spill: UNKNOWN  
Notifier Type: Affected Persons  
Caller Name:  
DEC Investigator: RWAUSTIN

Spiller: MRS. DEPENA  
Notifier Name:  
Caller Agency:  
Contact for more spill info:

Spiller Phone: (718) 378-0747  
Notifier Phone:  
Caller Phone:  
Contact Person Phone:

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
05/03/1986	05/05/1986	UNKNOWN	UNKNOWN		NO	
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	UNKNOWN	0	UNKNOWN	GROUNDWATER

Caller Remarks: NO REMARKS GIVEN FOR THIS SPILL

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "AUSTIN"  
10/10/95: This is additional information about material spilled from the translation of the old spill file: UNK. FUEL OIL.

**Map Identification Number 57**     **1233 ELDER AVE**  
1233 ELDER AVE

**Spill Number: 9604559**  
BRONX, NY NO ZIP PROVIDED

**Close Date: 07/08/1996**

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (P3)  
Approximate distance from property: 1792 feet to the ESE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE  
Revised zip code: NO CHANGE

Source of Spill: PRIVATE DWELLING  
Notifier Type: Health Department  
Caller Name: ANGELLA JENKINS  
DEC Investigator: KSTANG

Spiller: UNK LANDLORD  
Notifier Name: ANGELLA JENKINS  
Caller Agency: HEALTH DEPT  
Contact for more spill info:

Spiller Phone:  
Notifier Phone: (718) 884-5499  
Caller Phone: (718) 884-5499  
Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended		
07/05/1996		UNKNOWN	NO		NO		
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected	
RAW SEWAGE	OTHER	0	GALLONS	0	GALLONS	SOIL	

Caller Remarks:

local health worker went to check on a client and the client complained about a horrible odor - tenent showed worker the basement and it is aprox 2 ft deep with raw sewage/ waste water the tenent has not seen the landlord to complain - unk if repair will be done

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "TANG"

**Map Identification Number 58**      **BOYNTON AV BETWEEN WESTCHESTER AV/E 172 ST**      **Spill Number: 9512241**      **Close Date: 01/26/2004**  
 BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION  
 Site location mapped by: MANUAL MAPPING (3)  
 Approximate distance from property: 2043 feet to the ESE

ADDRESS CHANGE INFORMATION  
 Revised street: BOYNTON AV/WESTCHESTER AV/E 172ND ST  
 Revised zip code: 10472

Source of Spill: UNKNOWN	Spiller: UNKNOWN	Spiller Phone:
Notifier Type: Other	Notifier Name: SANITATIONS OPERATIONS	Notifier Phone: (212) 788-4058
Caller Name: MRS WILLIAMS	Caller Agency: DEP	Caller Phone: (718) 595-6700
DEC Investigator: RWAUSTIN	Contact for more spill info: MR BARBA	Contact Person Phone: (212) 788-4058

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended		
12/29/1995		UNKNOWN	NO		NO		

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#6 FUEL OIL	PETROLEUM	25.00	GALLONS	0.00	GALLONS	SOIL

-----  
 Caller Remarks:

OIL WAS FOUND ON THE STREET. UNKNOWN ABOUT ANY INFO.

-----  
 DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "AUSTIN"  
 1/26/04 - AUSTIN - STREET SPILL - CLOSED - ORIG. ASSIGNED TO ENGELHARDT - END

**Map Identification Number 59**      **URBAN HOMES**      **Spill Number: 9814307**      **Close Date: 03/04/1999**  
 17-07/17-09 BOSTON ROAD      BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION  
 Site location mapped by: MANUAL MAPPING (3)  
 Approximate distance from property: 2099 feet to the NNW

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

Source of Spill: UNKNOWN	Spiller: HPD OWNED PROPERTY	Spiller Phone:
Notifier Type: Affected Persons	Notifier Name: JOSETTE HIBBERT	Notifier Phone: (718) 892-7090
Caller Name: JOSETTE HIBBERT	Caller Agency: URBAN HOMES	Caller Phone: (718) 991-0380
DEC Investigator: MMMULQUE	Contact for more spill info:	Contact Person Phone:

Spill Class: POSSIBLE REL WITH MIN POTENTIAL FOR FIRE OR HAZARD (OR KNOWN REL W/ NO DAMAGE);NO DEC RESP;WILLING RP;CORR ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
02/28/1999		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
RAW SEWAGE	OTHER	0	GALLONS	0	GALLONS	SOIL

-----  
 Caller Remarks:

SEWAGE STORAGE TANK IS LEAKING ONTO THE URBAN HOMES PROPERTY

-----  
 DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "MULQUEEN"  
 DEP SENDING EMERGENCY SEWER CREW TO ASSESS.

**Map Identification Number 60**      **MANHOLE #19338**  
WESTCHESTER & ELDER AV

**Spill Number: 9912936**      **Close Date: 02/27/2002**  
BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION  
Site location mapped by: ADDRESS MATCHING  
Approximate distance from property: 2118 feet to the SE

ADDRESS CHANGE INFORMATION  
Revised street: WESTCHESTER AV / ELDER AV  
Revised zip code: 10472

Source of Spill: UNKNOWN  
Notifier Type: Affected Persons  
Caller Name: JIMMY FOX  
DEC Investigator: JHOCONNE

Spiller: UNKNOWN  
Notifier Name: MR MARKERT  
Caller Agency: CON ED  
Contact for more spill info: JIMMY FOX

Spiller Phone:  
Notifier Phone:  
Caller Phone: (212) 580-6763  
Contact Person Phone: (212) 580-6763

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
02/14/2000		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	2.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

2 gals on 700 gals of water - cleanup pending test results  
ref#129969

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "O'CONNELL"

**Map Identification Number 61**      **SB 19335**  
ELDER AVE/WESTCHESTER AV

**Spill Number: 9912614**      **Close Date: 02/26/2002**  
BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION  
Site location mapped by: ADDRESS MATCHING  
Approximate distance from property: 2118 feet to the SE

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

Source of Spill: UNKNOWN	Spiller: UNKNOWN	Spiller Phone:
Notifier Type: Affected Persons	Notifier Name: MR TRAYNOR	Notifier Phone: (212) 580-6763
Caller Name: BILL MURPHY	Caller Agency: CON EDISON	Caller Phone: (212) 580-6763
DEC Investigator: COMENALE	Contact for more spill info: CALLER	Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
02/04/2000		UNKNOWN	NO		NO	
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

ON 20 GAL WATER SAMPLE TAKEN CLEAN UP PENDING 129857

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

**Map Identification Number 62**      **NEW HORIZON RETAIL CENTER**      **Spill Number: 0201730**      **Close Date: 09/19/2002**  
 971 EAST 174TH ST      BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION  
 Site location mapped by: MANUAL MAPPING (P6)  
 Approximate distance from property: 2150 feet to the N

ADDRESS CHANGE INFORMATION  
 Revised street: NO CHANGE  
 Revised zip code: 10460

Source of Spill: UNKNOWN	Spiller: UNK	Spiller Phone: (000) 000-0000
Notifier Type: Other	Notifier Name: CRAIG PETERSON	Notifier Phone: (201) 794-6900
Caller Name: CRAIG PETERSON	Caller Agency: LANGAN ENGINEERING	Caller Phone: (201) 794-6900
DEC Investigator: TJDEMEO	Contact for more spill info: STEVEN CIAMBRUSCHINI	Contact Person Phone: (201) 794-6900

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
05/15/2002		UNKNOWN	NO		NO	
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

TEST RESULTS SHOWED EVIDENCE OF PETROLEUM CONTAMINATION. WILL  
CONTINUE TO INVESTIGATE.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "DEMEO/VOUGHT"  
9/19/2002-VOUGHT-Remedial investigation report/remedial action workplan submitted by Langan (Elisa Quackkenbush 201-794-6900) in  
June 2002. Report identified five areas of concern (AOC)'s. AOC 1 petroleum impacted soil (Soil was excavated and endpoint  
samples passed TAGM Required Soil Cleanup Objectives(RSCO's)). AOC2: Surficial staining at southwest portion which was excavated  
and endpoint samples passed RSCO's AOC3:Petroleum impacted soil oat the northern portion of the site which was excavated and  
endpoint samples passed RSCO's AOC4:Petroleum impacted soil at the northern portion of the site AOC5:Petroleum impacted soil at  
the northern portion of the site. Both AOC 4 and AOC5 were excavated to bedrock and endpoint samples passed TACGM excluding  
Benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene and dibenzo(A,h)anthracene which had  
concentrations up to 2,000ppm. These exceedances attributed to fill (wood, ash, garbage) on bedrock. Soil was excavated to  
bedrock and groundwater samples passed TAGM Groundwater Standards. Disposal manifest and analyticals were sent to the NYSDEC.  
Spill closed by Vought.

**Map Identification Number 63**      **RESIDENTIAL BLDG**      **Spill Number: 0202887**      **Close Date: 06/20/2002**  
1680 CORTONA PARK EAST      BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION  
Site location mapped by: MANUAL MAPPING (3)  
Approximate distance from property: 2218 feet to the NNW

ADDRESS CHANGE INFORMATION  
Revised street: 1680 CROTONA PARK E  
Revised zip code: UNKNOWN

Source of Spill: PRIVATE DWELLING	Spiller: UNK - HESS	Spiller Phone: (000) 000-0000
Notifier Type: Other	Notifier Name: LUCIA TRINIDAD	Notifier Phone: (718) 842-4114
Caller Name: LUCIA TRINIDAD	Caller Agency: BUILDING SUPER	Caller Phone: (718) 842-4114
DEC Investigator: MXTIPPLE	Contact for more spill info: LUCIA TRINIDAD	Contact Person Phone: (718) 842-4114

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
06/19/2002		OTHER	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	25.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

BOILER WAS OVERFILLED WHICH CAUSED SPILL ONTO SIDEWALK IFO BLDG.  
CURRENTLY BEING CLEANED UP.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "TIPPLE"  
SAME AS SPILL # 0202883

**Map Identification Number 64**      **1714 CROTRONA PARK EAST**      **Spill Number: 9814386**      **Close Date: 09/14/1999**  
1714 CROTRONA PARK EAST      BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)  
Approximate distance from property: 2258 feet to the NNW

ADDRESS CHANGE INFORMATION

Revised street: 1714 CROTONA PARK EAST  
Revised zip code: 10460

Source of Spill: PRIVATE DWELLING	Spiller: UNKNOWN	Spiller Phone:
Notifier Type: Citizen	Notifier Name: ALICE ISAACS	Notifier Phone: (718) 991-0380
Caller Name: ALICE ISAACS	Caller Agency: CITIZEN	Caller Phone: (718) 991-0380
DEC Investigator: O'DOWD	Contact for more spill info: ALICE ISAACS	Contact Person Phone: (718) 991-0380

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
03/02/1999		UNKNOWN	NO		NO	

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
RAW SEWAGE	OTHER	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

SMELL AND PRODUCT COMING FROM SEPTIC SYSTEM

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

**Map Identification Number 65**      **FREEMAN ST & INTERVALE**      **Spill Number: 9414079**      **Close Date: 01/23/1995**  
 FREEMAN ST & INTERVALE AV      BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING  
 Approximate distance from property: 2306 feet to the WSW

ADDRESS CHANGE INFORMATION

Revised street: FREEMAN ST / INTERVALE AV  
 Revised zip code: NO CHANGE

Source of Spill: UNKNOWN      Spiller: UNKNOWN      Spiller Phone:  
 Notifier Type: Local Agency      Notifier Name: UNKNOWN      Notifier Phone:  
 Caller Name: SABINE ACRARD      Caller Agency: NYC DEP      Caller Phone: (718) 595-6700  
 DEC Investigator: TOMASELLO      Contact for more spill info:      Contact Person Phone:

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
01/23/1995	01/23/1995	UNKNOWN	UNKNOWN	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	20.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

NYFD CAME UPON SPILL AND CONTACTED MRS DENNIGAN AT NYC SANITATION (212) 788/4058. WHO WON'T DO ANYTHING WITH THE SPILL UNTIL IT IS IDENTIFIED BY DEC. UNK WHO SPILLED IT OR WHY

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

**Map Identification Number 66**      **MANHOLE #25696**      **Spill Number: 9902811**      **Close Date: 05/18/2000**  
 E SIDE OF BOYNTON AVE      BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING  
 Approximate distance from property: 2319 feet to the ESE

ADDRESS CHANGE INFORMATION

Revised street: BOYNTON AVE / WESTCHESTER AVE  
 Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL      Spiller: UNK - UNK      Spiller Phone: (000) 000-0000  
 Notifier Type: Other      Notifier Name: STEVE ROMERO      Notifier Phone: (212) 580-6763  
 Caller Name: STEVE ROMERO      Caller Agency: CON EDISON      Caller Phone: (212) 580-6763  
 DEC Investigator: JHOCONNE      Contact for more spill info: STEVE ROMERO      Contact Person Phone: (212) 580-6763

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

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Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended		
06/10/1999		UNKNOWN	NO		NO		

---

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	1.00	GALLONS	0.00	GALLONS	SOIL

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Caller Remarks:

SPILL HAS BEEN CONTAINED-SAMPLES HAVE BEEN TAKEN-CLEAN UP CREW  
 TO RESPOND FOR CLEANUP. CON ED #125501

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "O'CONNELL"  
 Con ed e2mis notes:

Approx 1 gal of unknown oil in mh 25696 while the FOD was marking up feeder 7x86. He states there is alot of sludge in the hole and 50 gal of water. Between the water and mud he estimates approx 550 gal.

<1ppm

Cleanup complete ... tag pulled.

**Map Identification Number 67**      **MANHOLE 17911**  
 MANOR AVE/E 172 STREET

**Spill Number: 9913949**      **Close Date: 03/22/2002**  
 BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION  
 Site location mapped by: MANUAL MAPPING (3)  
 Approximate distance from property: 2327 feet to the E

ADDRESS CHANGE INFORMATION  
 Revised street: NO CHANGE  
 Revised zip code: 10472

Source of Spill: UNKNOWN  
 Notifier Type: Other  
 Caller Name: MIKE CESARE  
 DEC Investigator: JHOCONNE

Spiller: UNK - UNK  
 Notifier Name: MR MCCABE  
 Caller Agency: CON EDISON  
 Contact for more spill info: CALLER

Spiller Phone: (000) 000-0000  
 Notifier Phone:  
 Caller Phone: (212) 580-6763  
 Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
03/10/2000		UNKNOWN	NO		NO	

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

CALLER REPORTING A SPILLOF 1 PINT OF MATERIAL FROM IN A MANHOLE CLEAN UP PENDING LAB RESULTS ON 300 GAL OF WATER CON ED#130345

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "O'CONNELL"

e2mis no. 130345:

3-10-00 09:48 C.D'Alisera 48339 Flush Department Supervisor reports he found 1-pint unknown oil on top of 300 gallons of water in manhole 17911, located on the building line 1252-1254 Manor Ave. cross street E.172 St. Found on 3-10-00 at 09:25. Plate 14N indicates there is a sewer connection in this manhole. Water is stagnant. Sample taken and tag 24561 installed. Cleanup pending sample results.

3-11-00 06:29  
 Lab Sequence Number: 00-02269  
 <1.00 PPM

03/11/00  
 1831 hrs.  
 STRUCTURE # MH17911

DATE 03/11/00  
 TIME 1806  
 AMOUNT OF OIL REMOVED 1 PT.  
 AMOUNT OF WATER 900 GALS  
 CLEAN UP METHOD FLUSH TK & TANKER  
 NO SEWER CONNECTION  
 NO EARTHEN SUMP PUMP  
 TAG REMOVED 24561

**Map Identification Number 68**      **1211 WARD AVE**  
 1211 WARD AVE

**Spill Number: 0306639**      **Close Date: 11/18/2005**  
 BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION  
 Site location mapped by: MANUAL MAPPING (P3)  
 Approximate distance from property: 2352 feet to the ESE

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

Source of Spill: PRIVATE DWELLING  
 Notifier Type: Affected Persons  
 Caller Name: MR ANCRUEM  
 DEC Investigator: RPRUTLAN

Spiller:  
 Notifier Name:  
 Caller Agency: HOMEOWNER  
 Contact for more spill info: MR ANCRUEM

Spiller Phone:  
 Notifier Phone:  
 Caller Phone: (914) 318-6180  
 Contact Person Phone: (718) 893-8942

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
09/23/2003		OTHER	NO		NO	
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

caller states he had a company there today and they put in a new boiler - some how they lost an unk amount of fuel from his tank while doing so

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "DEMEO" 9/23/03, ROSSAN-DDO: Called Mr Ancruem, who reported that

this spill happened about 2 weeks ago, while some company was removing a boiler. Gave the spiller's phone # as 914-318 6180. Called this # . The machine came on, so a message was left.

Ed.

Transferred to Rutland during Spill Reduction.

11/18/2005 Spoke to original caller, Mr. Ancruem (914) 318-6180. The spill occurred when the boiler was being switched. Fuel oil in the line dripped out onto concrete basement floor and was cleaned up with sorbent. No drains or sumps were affected. Closed. - Rutland

<b>Map Identification Number 69</b>	<b>STEBBINS ST &amp; JENNINGS ST</b>	<b>Spill Number: 9311752</b>	<b>Close Date: 03/05/2003</b>
	STEBBINS ST / JENNINGS ST	BRONX, NY NO ZIP PROVIDED	
MAP LOCATION INFORMATION		ADDRESS CHANGE INFORMATION	
Site location mapped by: ADDRESS MATCHING		Revised street: STEBBINS AV / JENNINGS ST	
Approximate distance from property: 2386 feet to the W		Revised zip code: 10459	
Source of Spill: UNKNOWN	Spiller: UNK	Spiller Phone:	
Notifier Type: Affected Persons	Notifier Name:	Notifier Phone:	
Caller Name: DIANE DAVIS	Caller Agency: HOMEOWNER	Caller Phone: (718) 842-8868	
DEC Investigator: SULLIVAN	Contact for more spill info:	Contact Person Phone:	

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
01/03/1994		UNKNOWN	NO		NO	
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	2.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

POOLS OF OIL ON VACANT LOT - COMING UP THRU SOIL - RAIN WASHES DOWN STREET & ONTO ADJACENT PROPERTIES - ONGOING SINCE LAST SUMMER.

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

**Map Identification Number 70**      **ODOR**      **Spill Number: 9309296**      **Close Date: 12/16/1993**  
 1544 WESTCHESTER AVENUE      BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION  
 Site location mapped by: MANUAL MAPPING (P4)  
 Approximate distance from property: 2406 feet to the ESE

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

Source of Spill: UNKNOWN	Spiller: UNK	Spiller Phone:
Notifier Type: Federal Government	Notifier Name:	Notifier Phone:
Caller Name: TOM THOMAS	Caller Agency: NYC DEP	Caller Phone: (718) 595-4716
DEC Investigator: SJMILLER	Contact for more spill info:	Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
11/01/1993		UNKNOWN	UNKNOWN	NO

NO MATERIAL INFORMATION GIVEN FOR THIS SPILL

Caller Remarks:

SPOKE TO STEVE MILLER - ODORS COMING INTO STORE FROM GROUND. WOULD LIKE STEVE TO CALL HIM BACK.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "MILLER"  
 10/10/95: This is additional information about material spilled from the translation of the old spill file: H2S ODOR

11/1/93, MILLER SPOKE WITH SUSAN OF 1544 WESTCHESTER AVE; ONGOING H2S & GREASE ODORS FOR TWO YEARS NYCDEP INSPECTED NEXT-DOOR MCDONALDS AND GOT SAME TO MAKE REPAIRS.

11/5/93 @0905HRS, MILLER MET T. THOMAS, DEP, AT SITE: CHECK MCDONALDS BUT NO ODORS OR GREASE IN BASEMENT TRAP; NO ODOR AT NEIGHBOR EITHER.

11/10/93 @ 1705HRS, MILLER SPOKE TO OWNER AT 1544 WESTCHESTER: NO PROBLEMS REPORTED.

11/18/02 @1215HRS, SUSAN RETURNED CALL - ODOR STOPPED FOR NOW.

12/16/93 @1410HRS, ODOR RETURNS BUT DISSIPATES QUICKLY.

**Map Identification Number 71**      **1151 EAST 165TH ST/BRONX**  
 1151 EAST 165TH ST.

**Spill Number: 8706894**      **Close Date: 11/13/1987**  
 NEW YORK CITY, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION  
 Site location mapped by: MANUAL MAPPING (P3)  
 Approximate distance from property: 2430 feet to the SSW

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

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER  
 Notifier Type: Responsible Party  
 Caller Name:  
 DEC Investigator: UNASSIGNED

Spiller: AJAX  
 Notifier Name:  
 Caller Agency:  
 Contact for more spill info:

Spiller Phone:  
 Notifier Phone:  
 Caller Phone:  
 Contact Person Phone:

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
11/13/1987	11/13/1987	UNKNOWN	UNKNOWN	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	300.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

SPILL IN THE BASEMENT OF BUILDING, NYCDEP TO INVESTIGATE.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was " "

**Map Identification Number 72**      **1589 EAST 172ND ST REALTY**  
 1589 EAST 172ND ST

**Spill Number: 9403618**      **Close Date: 06/14/1994**  
 BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION  
 Site location mapped by: MANUAL MAPPING (P3)  
 Approximate distance from property: 2479 feet to the E

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

Source of Spill: COMMERCIAL/INDUSTRIAL Spiller: 1589 EAST 172ND REALTY Spiller Phone: (718) 543-8787  
 Notifier Type: Responsible Party Notifier Name: Notifier Phone:  
 Caller Name: NAYA BODINGER Caller Agency: 1589 E. 172 REALTY Caller Phone: (718) 543-8787  
 DEC Investigator: SMMARTIN Contact for more spill info: Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
05/30/1994	06/14/1994	UNKNOWN	UNKNOWN		NO	

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#6 FUEL OIL	PETROLEUM	-1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

SUSPECT POSSIBLE HISTORIC TANK OVERFILL- CONTAINED IN TANK ROOM; NEED LIST CONTRACTORS TO CLEAN UP

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "MARTINKAT"

**Map Identification Number 73**      **170TH ST**      **Spill Number: 0013276**      **Close Date: 10/28/2005**  
 STEBBINS AV      BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION  
 Site location mapped by: ADDRESS MATCHING  
 Approximate distance from property: 2483 feet to the W

ADDRESS CHANGE INFORMATION  
 Revised street: E 170TH ST / STEBBINS AVE  
 Revised zip code: 10459

Source of Spill: UNKNOWN Spiller: CITY OF NEW YORK Spiller Phone:  
 Notifier Type: Citizen Notifier Name: Notifier Phone:  
 Caller Name: Caller Agency: Caller Phone:  
 DEC Investigator: JTPECK Contact for more spill info: Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
03/20/2001		OTHER	NO		NO	

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

-----  
 Caller Remarks:

caller states there is a storage tank that is 1/2 out of the ground  
 with caps off - caller looked in and states there is still product in tank - unk if tank is leaking

-----  
 DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "KRIMGOLD"  
 01/26/04

Transferred from Rommel to Austin  
 02/17/04: Reassigned from AUSTIN to KRIMGOLD.

On 10/18/05, J Peck visited 1404-06 Stebbins Ave. on the corner of 170th St. He observed a above ground tank which was clean and protected by concrete block walls on three sides (see photographs). No evidence of poor housekeeping was visible.

**Map Identification Number 74**

1389 STEBBINS AVE

BRONX, NY NO ZIP PROVIDED

**Spill Number: 9714160**

**Close Date: 04/30/2002**

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (P3)  
 Approximate distance from property: 2507 feet to the W

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE  
 Revised zip code: NO CHANGE

Source of Spill: PRIVATE DWELLING	Spiller: UNK - UNKNOWN	Spiller Phone:
Notifier Type: Local Agency	Notifier Name: CON ED	Notifier Phone: (914) 925-6200
Caller Name: MICHELLE	Caller Agency: DEP	Caller Phone: (718) 595-6777
DEC Investigator: KGHale	Contact for more spill info: MR FAGAN	Contact Person Phone: (914) 925-6200

Spill Class: KNOWN RELEASE THAT CREATES A FIRE OR HAZARD;DEC RESPONSE;UNKNOWN RESPONSIBLE PARTY;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
03/20/1998		UNKNOWN	NO	NO

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

Caller Remarks:

coned reports discovery of gasoline in sewers at work site further investigation reveals gasoline in traps of 4 buildings at location

1385 stebbins.1391 and 1397 fd on scene

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "HALE"  
 4/30/2002 per tel conv. from Kevin Hale (who is now in DEC Central Office), gasoline and vapors abated to such a low enough level that no further action has to be done and spill# can be closed.

**Map Identification Number 75**      **VAULT TM1244**      **Spill Number: 0000360**      **Close Date: 01/17/2002**  
 WESTCHESTER AV & WARD AV      BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION  
 Site location mapped by: ADDRESS MATCHING  
 Approximate distance from property: 2528 feet to the ESE

ADDRESS CHANGE INFORMATION  
 Revised street: WESTCHESTER AV / WARD AV  
 Revised zip code: NO CHANGE

Source of Spill: UNKNOWN	Spiller: UNKNOWN	Spiller Phone:
Notifier Type: Affected Persons	Notifier Name: CANNER	Notifier Phone:
Caller Name: MIKE CESARE	Caller Agency: CON EDISON	Caller Phone: (212) 580-6763
DEC Investigator: JHOCONNE	Contact for more spill info:	Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
04/09/2000		UNKNOWN	NO		NO	

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

1 quart unk oil on 350 gallons of water - clean up pending lab results - ref #130825

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "O'CONNELL"  
 Con Ed e2mis #130825 Notes:

4-9-00 1620hrs

1qt unknown oil on 50gal water in TM1244. Conduit plate #13N indicates no sewer or drain connections. Sample taken.

4-10-00 1430hrs

LSN 00-03443 <1ppm PCB

4-11-00

Cleanup completed. 1qt unknown oil and 500gal water removed. Hole was double washed. Cement sump was sealed.w

<b>Map Identification Number 76</b>	<b>REAR YARD 1255 STRATFORD</b>	<b>Spill Number: 0506244</b>	<b>Close Date: 08/23/2005</b>
	1255 STRATFORD AVE	BRONX, NY NO ZIP PROVIDED	
MAP LOCATION INFORMATION		ADDRESS CHANGE INFORMATION	
Site location mapped by: MANUAL MAPPING (P3)		Revised street: NO CHANGE	
Approximate distance from property: 2560 feet to the E		Revised zip code: NO CHANGE	
Source of Spill: UNKNOWN	Spiller: UNKNOWN	Spiller Phone:	
Notifier Type: Other	Notifier Name: AZALIA MADDOX	Notifier Phone: (212) 689-1520	
Caller Name: AZALIA MADDOX	Caller Agency: NYC DEP	Caller Phone: (212) 689-1520	
DEC Investigator: RWAUSTIN	Contact for more spill info: LINETTE GONZALES	Contact Person Phone: (646) 670-2497	

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
08/20/2005		UNKNOWN	YES		NO	
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

Caller states there is oil in the backyard and on the side of the house (unsure if on the house or on the ground). Oil found after delivery. No further information from caller.

-----  
 DEC Investigator Remarks:

8/22/05 - Austin - Determined that complainant to DEP was Lynette Gonzales (718-860-2923). FDNY Haz Mat responded to this site and mopped up the free product. According to the FDNY dispatcher, Ms. Gonzales claimed that the product (50 gals. of heating fuel) was dumped on her property. Attempts by myself to contact Ms. Gonzales on 8/20 at the number given were unsuccessful (person at other line said that Ms. Gonzales would call right back). Have staff follow up with siter inspection, when in the vicinity. - end

8/23/05 - Austin - Spoke with Ms. Gonzales this morning. Spill actually occurred from an over fill during a fuel delivery to 1255 Stratford. She contacted FDNY and us, as well as the superintendent. FD put down dryz-sorb. and super cleaned up yesterday. Spill was on side of building, on concrete. Ms. Gonzales satisfied with cleanup - close - end

**Map Identification Number 77**

1372 STRATFORD AVE

BRONX, NY NO ZIP PROVIDED

**Spill Number: 9912739**

**Close Date: 02/17/2000**

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (P3)  
 Approximate distance from property: 2561 feet to the ENE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE  
 Revised zip code: NO CHANGE

Source of Spill: PRIVATE DWELLING  
 Notifier Type: Other  
 Caller Name: JIM CAREY  
 DEC Investigator: MCTIBBE

Spiller: KING PETROLEUM  
 Notifier Name: JIM CAREY  
 Caller Agency: CASTLE OIL CORPORATION  
 Contact for more spill info: JIM CAREY

Spiller Phone:  
 Notifier Phone: (718) 579-3414  
 Caller Phone: (718) 579-3414  
 Contact Person Phone: (718) 579-3414

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
02/08/2000		UNKNOWN	NO		NO	

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	8.00	GALLONS	8.00	GALLONS	SOIL

-----  
 Caller Remarks:

SPILLER IS A SUB CONTRACTOR OF CASTLE OIL  
 ACCIDENTAL OVERFILL OF TANK

ALL PRODUCT CLEANED UP

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "M TIBBE"  
CLEANED BY RP.

**Map Identification Number 78**      **RESIDENCE**      **Spill Number: 9807799**      **Close Date: 09/25/1998**  
 1076 FAILE ST      BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION  
 Site location mapped by: MANUAL MAPPING (P3)  
 Approximate distance from property: 2570 feet to the SSW

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

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER	Spiller: UNK - UNK	Spiller Phone: (000) 000-0000
Notifier Type: Other	Notifier Name:	Notifier Phone:
Caller Name: BILL SIMPSON	Caller Agency: MIBO TRUCKING	Caller Phone: (718) 860-1810
DEC Investigator: SMMARTIN	Contact for more spill info: BILL SIMPSON	Contact Person Phone: (718) 860-1810

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
09/25/1998		UNKNOWN	NO		NO	

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#4 FUEL OIL	PETROLEUM	15.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

CLEAN UP CREW ON WAY FOR SPILL AND FURTHER INVESTIGATION TO CONTINUE.SPILL ON SIDEWALK, OVERFILL GAUGE PROBABLY NOT GOOD.  
CONTAINED, CLEANUP TO BEGIN.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "MARTINKAT"

**Map Identification Number 79**      **BRONX RIVER HOUSING**  
1575 E. 174TH ST

**Spill Number: 9404172**      **Close Date: 06/24/1994**  
BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION  
Site location mapped by: MANUAL MAPPING (P6)  
Approximate distance from property: 2570 feet to the ENE

ADDRESS CHANGE INFORMATION  
Revised street: NO CHANGE  
Revised zip code: 10472

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER  
Notifier Type: Affected Persons  
Caller Name: DORIS  
DEC Investigator: CAMMISA

Spiller: COASTAL OIL  
Notifier Name:  
Caller Agency: COASTAL OIL  
Contact for more spill info:

Spiller Phone: (718) 746-2417  
Notifier Phone:  
Caller Phone: (781) 746-2417  
Contact Person Phone:

Spill Class: POSSIBLE REL WITH MIN POTENTIAL FOR FIRE OR HAZARD (OR KNOWN REL W/ NO DAMAGE);NO DEC RESP;WILLING RP;CORR ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
06/24/1994	06/24/1994	OTHER	UNKNOWN	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#4 FUEL OIL	PETROLEUM	2.00	UNKNOWN	0.00	UNKNOWN	SOIL

Caller Remarks:

OIL CAME OUT OF VENT - CLEANED UP BY CUSTODIAN- FELL ON DIRT

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

**Map Identification Number 80**      **APARTMENT COMPLEX (IFO)**  
1340 STRATFORD AVE

**Spill Number: 0008477**      **Close Date: 10/20/2000**  
BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION  
Site location mapped by: MANUAL MAPPING (P3)  
Approximate distance from property: 2571 feet to the E

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

Source of Spill: UNKNOWN  
Notifier Type: Fire Department  
Caller Name: CHIEF RUDDICK  
DEC Investigator: JMKRIMGO

Spiller: UNK - UNK  
Notifier Name: CHIEF RUDDICK  
Caller Agency: FDNY  
Contact for more spill info: CALLER

Spiller Phone: (000) 000-0000  
Notifier Phone: (917) 769-0361  
Caller Phone: (917) 769-0361  
Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
10/19/2000		UNKNOWN	NO		NO	
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIESEL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

CALLER IS AT THE SCENE OF AN ODOR OF FUEL OIL IN THE AREA OF THE ABOVE ADDRESS. WOULD LIKE A CALL BACK. SAME AS SPILL # 0008476.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "KRIMGOLD"

**Map Identification Number 81**      **IN THE STREET IFO**      **Spill Number: 0008476**      **Close Date: 10/20/2000**  
 1340 STRATFORD AV      BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION      ADDRESS CHANGE INFORMATION  
 Site location mapped by: MANUAL MAPPING (P3)      Revised street: NO CHANGE  
 Approximate distance from property: 2571 feet to the E      Revised zip code: NO CHANGE

Source of Spill: PRIVATE DWELLING      Spiller: UNKNOWN      Spiller Phone:  
 Notifier Type: Local Agency      Notifier Name: MR RODDICK      Notifier Phone: (917) 769-0361  
 Caller Name: MORALES      Caller Agency: DEP      Caller Phone: (718) 595-6777  
 DEC Investigator: JMKRIMGO      Contact for more spill info:      Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
10/19/2000		UNKNOWN	NO		NO	
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#6 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SEWER

Caller Remarks:

THERE WAS A DELIVERY TO THE RESIDENCE THIS MORNING BUT UNK WHO MADE THAT DELIVERY - THE SPILL IS IN THE STREET AND SOME MAY HAVE

GOTTEN INTO THE SEWERS - FIRE DEPT WILL BE PUTTING SPEEDY DRY DOWN

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "KRIMGOLD"

**Map Identification Number 82**      **1472 WATSON AVE**      **Spill Number: 0211102**      **Close Date: 05/21/2003**  
 1464 WATSON AVE      BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION  
 Site location mapped by: MANUAL MAPPING (P3)  
 Approximate distance from property: 2620 feet to the SSE

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

Source of Spill: PRIVATE DWELLING	Spiller: UNKNOWN	Spiller Phone:
Notifier Type: Affected Persons	Notifier Name: SAME	Notifier Phone:
Caller Name: JOANNE RIVERA	Caller Agency: 1472 WATSON AVE	Caller Phone: (914) 964-4033
DEC Investigator: JBVOUGHT	Contact for more spill info: JOANNE RIVERA	Contact Person Phone: (914) 964-4033

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
02/05/2003		UNKNOWN	NO		NO	

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

Caller Remarks:

caller wants call back states the basement of her house is ankle deep in fuel oil and building owner is doing nothing about it also states animals are getting into it

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "VOUGHT"  
 4/25/2003-Vought-Received Tabatha DeJesus -Emerald Real Estate Management-718-654-4259 seeing if work done. Oil Company is County Oil 718-626-7000. Similar spill also occurred at 1484 Watson Avenue. Vought called County Oil and spoke to David. According to David, County only delivers to 1484. David will fax disposal manifest to NYSDEC. Vought returned call to Tabatha to inquire about other oil delivery company to 1472. According to Tabatha 1472 is listed at 1464 Watson Ave. Vought called David from County and explained address listing as 1464 Watson Avenue. David will return call with disposal manifests on both addresses.

5/21/2003-Vought-Site visit by Vought on 2/5/2003. Spill out of vent pipe of both 1484 and 1464 Watson Avenue. No spill occurred inside basement as stated in callers remarks. Spill was #4 fuel oil. Inspection of underlying soils showed that oil spill was limited to surface only. Vought called County oil and required immediate soil excavation with no endpoint samples due to lack of subsurface penetration. Vought received disposal manifest for both addresses on 5/1/2003 showing four drums of soil sent to JB Waste Oil Co (718-626-4164). No sewers or drains affected. Spill closed by Vought.

**Map Identification Number 83**      **1106 HOE AVE**  
 1106 HOE AVE

**Spill Number: 9705834**      **Close Date: 05/02/2000**  
 BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION  
 Site location mapped by: MANUAL MAPPING (P2)  
 Approximate distance from property: 2635 feet to the SSW

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

Source of Spill: COMMERCIAL/INDUSTRIAL	Spiller: MICE ANGELO - NYNEX	Spiller Phone: (212) 338-6684
Notifier Type: Other	Notifier Name: DAVE CAMP	Notifier Phone:
Caller Name: DAVE PIERCEY	Caller Agency: LEXICON ENVIORMENTAL	Caller Phone: (610) 344-3380
DEC Investigator: MCTIBBE	Contact for more spill info: DAVE PIERCEY	Contact Person Phone: (610) 344-3380

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
08/14/1997		OTHER	NO		NO	
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIESEL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

WENT TO FILL TANK WITH CONCRETE AND FOUND HOLES

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "TIBBE"  
 see file



**CLOSED STATUS HAZARDOUS SPILLS - MISC. SPILL CAUSES - EQUIPMENT FAILURE, HUMAN ERROR, TANK OVERFILL, DELIBERATE SPILL, TRAFFIC ACCIDENT, HOUSEKEEPING, ABANDONED DRUM, AND VANDALISM - IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS.**  
 All spills mapped and profiled within 1/4 mile. Between 1/4 mile and 1/2 mile search radius, spills reported to be greater than 100 units and spills reported in the NYSDEC Fall 1998 MTBE Survey are mapped and profiled. Spills reported to be less than 100 units are listed in a table at the end of this section.

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

**Map Identification Number 84 ABANDONED SERVICE STATION Spill Number: 0300164 Close Date: 09/08/2003**  
 1471 WEST FARM RD BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (P2)  
 Approximate distance from property: 88 feet to the SSW\*

ADDRESS CHANGE INFORMATION

Revised street: 1471 W FARMS RD  
 Revised zip code: NO CHANGE

Source of Spill: GASOLINE STATION Spiller: ROLAND FISHER - ABANDONED SERVICE STATION Spiller Phone: (631) 249-3150  
 Notifier Type: Other Notifier Name: Notifier Phone:  
 Caller Name: ROLAND FISHER Caller Agency: TYREE Caller Phone: (631) 249-3150  
 DEC Investigator: JBVOUGHT Contact for more spill info: ROLAND FISHER Contact Person Phone: (631) 249-3150

Spill Class: KNOWN RELEASE THAT CREATES POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
04/04/2003		EQUIPMENT FAILURE	NO	NO

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

Caller Remarks:

caller did tank removal and test results show soil contamination

caller believes line failed causing release

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "VOUGHT"  
 DEC Sigona sent letter notification for contaminated soil investigation on April 4, 2003.

4/8/2003-Vought-Received message from Roland Fischer (Tyree - 631-249-3150x352). Vought returned call and left message to return call. Vought received another message and again returned call and spoke with Roland. 6 (550-gallon) UST's were removed. Contaminated soil found at dispenser island. Tyree will excavate contaminated soil and take endpoint samples. Tanks in vaulted concrete on top of bedrock. Lines to be excavated are 20' long. Sidewalls will be composited and two grab samples from bottom of trench. Tank closure report will be sent including site plan, analyticals and disposal manifests.

4/24/2003-Vought-Received message from Roland on 4/14. Vought returned call on 4/24 and left message with Roland to return call with updates.

5/5/2003-Vought-Spoke with Roland and soil contamination found (30'x 20' excavation was performed, bottom was bedrock). One sample had xylene at 4000ppb. Roland will send tank closure report and spill closure report including site plan, disposal manifest and analyticals.

7/18/2003-Vought-Spoke with Roland Fisher and report is being sent to NYSDEC today.

9/8/2003-Vought-UST Closure Report-May 2003-Tyree Organization-Six (550-gallon) gasoline USTs were removed in 3/03. Groundwater not encountered in excavation but suspected at depth of 60' and flowing to the southwest. Bedrock at depth of 8' below grade. USTs were in a vault constructed by "direct pour of concrete onto the bedrock". Endpoint samples were collected from sidewalls and not collected from bottom due to bedrock. Soil analyticals show up to 3380ppb toluene(south wall), 70900ppb xylene(south wall) and 24000ppb naphthalene(south wall). Tyree returned to site to perform additional soil removal under the former pump island area and removed 50 tons of soil. Seven subsequent soil endpoint samples were collected and soil analyticals showed two exceedances at 3050ppb xylene(west wall) and 3320ppb 1,3,5-trimethylbenzene(west wall). Spill closed by Vought as per Rommel due to 60' suspected depth to groundwater and excavation to bedrock (and hence no sensitive receptors). Spill closed by Vought.

**Map Identification Number 85**      **1498 BRYANT AVE**  
1498 BRYANT AVE

**Spill Number: 0409544**  
BRONX, NY NO ZIP PROVIDED

**Close Date: 11/30/2004**

**MAP LOCATION INFORMATION**

Site location mapped by: MANUAL MAPPING (P2)  
Approximate distance from property: 530 feet to the WNW

**ADDRESS CHANGE INFORMATION**

Revised street: NO CHANGE  
Revised zip code: NO CHANGE

Source of Spill: PRIVATE DWELLING Spiller: DAN SILVESTRO Spiller Phone: (718) 893-4400  
 Notifier Type: Other Notifier Name: DAN SILVESTRO Notifier Phone: (718) 893-4400  
 Caller Name: DAN SILVESTRO Caller Agency: ATLAS FUEL Caller Phone: (718) 893-4400  
 DEC Investigator: SMSANGES Contact for more spill info: DAN SILVESTRO Contact Person Phone: (718) 893-4400

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
11/24/2004		HUMAN ERROR	YES		NO	

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	5.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

driver went to the wrong address and overfilled the tank.cleaning the spill up now.

DEC Investigator Remarks:

11/30/2004 Sangesland spoke to Dan Silvestro. He says there was a 5 gal spill onto a driveway. The whole spill was on cement. The second day, the oil company went back to the site and laid out new drysol and swept again. Site is all clean.

**Map Identification Number 86 WESTCHESTER @ CLOSE AV/BX Spill Number: 8909355 Close Date: 12/29/1989**  
 WESTCHESTER AV @ CLOSE AV BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING  
 Approximate distance from property: 1500 feet to the SSE

ADDRESS CHANGE INFORMATION

Revised street: WESTCHESTER AV / CLOSE AV  
 Revised zip code: NO CHANGE

Source of Spill: TANK TRUCK Spiller: M B FUEL OIL CO Spiller Phone:  
 Notifier Type: Fire Department Notifier Name: Notifier Phone:  
 Caller Name: JOHN CASSIDY Caller Agency: NYFD HAZ MAT Caller Phone: (212) 847-0588  
 DEC Investigator: SULLIVAN Contact for more spill info: Contact Person Phone:

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
12/27/1989	12/29/1989	TRAFFIC ACCIDENT	UNKNOWN		NO	

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	1000	GALLONS	0	GALLONS	SEWER

Caller Remarks:

CLEAN UP CONTRACTOR WAS A L EASTMOND, MOST OF THE OIL WAS PUMPED INTO VAC TRUCK, SPEEDY DRY WAS APPLIED & CLEANED UP, CLEANED UP BY SPILLER ON 12/27/89.

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

**Map Identification Number 87**      **MINFORD PL & EAST 172ND ST**      **Spill Number: 8904140**      **Close Date: 02/09/1998**  
 MINFORD PL / E 172ND ST      NEW YORK CITY, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION  
 Site location mapped by: ADDRESS MATCHING  
 Approximate distance from property: 1698 feet to the WNW

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

Source of Spill: PRIVATE DWELLING      Spiller: MILCHMAN REALTY-OWNER      Spiller Phone: (212) 654-5959  
 Notifier Type: Local Agency      Notifier Name:      Notifier Phone:  
 Caller Name: KEN FRADKIN      Caller Agency: NYCDEP      Caller Phone: (212) 669-8926  
 DEC Investigator: SIGONA      Contact for more spill info:      Contact Person Phone:

Spill Class: KNOWN RELEASE THAT CREATES A FIRE OR HAZARD;DEC RESPONSE;UNKNOWN RESPONSIBLE PARTY;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
07/26/1989		TANK OVERFILL	NO		NO	

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

Caller Remarks:

HIRED FENELY & NICHOL UNDER DEC CONTRACT TO PUMP OIL FROM ABANDDONED UNDERGROUND TANK LEFT MANHOLE OPEN WITH AN OIL SPILL ONTO SURFACE. SERIOUS HAZARD TO PUBLIC LOT OPEN AND NEXT TO OPEN FIELD.

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

**Map Identification Number 88**      **AMTRAK**  
174TH ST BRONX RIVER AVE

**Spill Number: 8605475**  
NEW YORK CITY, NY NO ZIP PROVIDED

**Close Date: 12/01/1986**

MAP LOCATION INFORMATION  
Site location mapped by: ADDRESS MATCHING  
Approximate distance from property: 1914 feet to the ENE

ADDRESS CHANGE INFORMATION  
Revised street: E 174TH ST/BRONX RIVER AVE  
Revised zip code: NO CHANGE

Source of Spill: UNKNOWN  
Notifier Type: Local Agency  
Caller Name:  
DEC Investigator: UNASSIGNED

Spiller: AMTRAK  
Notifier Name:  
Caller Agency:  
Contact for more spill info:

Spiller Phone:  
Notifier Phone:  
Caller Phone:  
Contact Person Phone:

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
11/28/1986	12/01/1986	EQUIPMENT FAILURE	UNKNOWN		NO	

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
PCB OIL	PETROLEUM	150.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

CLEANED UP BY AMTRAK FIRE DEPT. HAZMAT ON SCENE DEP CHEMIST ON SITE CHECK FOR PCB NONE FOUND.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was " "

**Map Identification Number 89**      **ON SOUTHERN BLVD**  
HOME ST AND FREEMAN ST

**Spill Number: 9808883**  
BRONX, NY NO ZIP PROVIDED

**Close Date: 10/20/1998**

MAP LOCATION INFORMATION  
Site location mapped by: MANUAL MAPPING (3)  
Approximate distance from property: 2043 feet to the WSW

ADDRESS CHANGE INFORMATION  
Revised street: SOUTHERN BLVD BTWN HOME ST / FREEMAN ST  
Revised zip code: 10459

Source of Spill: UNKNOWN  
Notifier Type: Local Agency  
Caller Name: WAIMAN WONG  
DEC Investigator: SIGONA

Spiller: UNKNOWN  
Notifier Name: SANITATION  
Caller Agency: NYC DEP  
Contact for more spill info: WAIMAN WONG

Spiller Phone:  
Notifier Phone:  
Caller Phone: (718) 595-4783  
Contact Person Phone: (917) 769-4005

Spill Class: KNOWN RELEASE THAT CREATES POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;UNKNOWN RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
10/16/1998		ABANDONED DRUM	NO		NO	
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	100.00	GALLONS	100.00	GALLONS	SEWER

Caller Remarks:

CATCH BASINIS IMPACTED ALSO. 2-55 GALLON DRUMS APPEAR TO HAVE BEEN KNOCKED OVER AND THE PRODUCT IN THEM HAS SPILLED. NEED STATE TO HIRE A CONTRACTOR FOR THE CLEAN UP. REQ CONTACT AT THE SECOND NUMBER (CELL PHONE)

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

**Map Identification Number 90**

1213 WARD AVE

BRONX, NY NO ZIP PROVIDED

**Spill Number: 0000461**

**Close Date: 09/19/2000**

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (P3)  
 Approximate distance from property: 2335 feet to the ESE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE  
 Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL  
 Notifier Type: Local Agency  
 Caller Name: MS BAILEY  
 DEC Investigator: JMKRIMGO

Spiller: UNKNOWN  
 Notifier Name: DISPATCHER #561  
 Caller Agency: DEP  
 Contact for more spill info: NYC FIRE DEPT DISPT #561

Spiller Phone:  
 Notifier Phone: (718) 430-0251  
 Caller Phone: (718) 595-6700  
 Contact Person Phone: (718) 430-0251

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
04/11/2000		TANK OVERFILL	NO		NO	
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	200.00	GALLONS	0.00	GALLONS	SEWER

Caller Remarks:

DEP RECEIVED REPORT OF ABOVE MATERIAL BEING SPILLED AT ABOVE LOCATION. NYC FIRE DEPT ON SCENE AT TIME OF CALL. DEP REQUESTING



**Map Identification Number 92**      **NYCT**  
 1801 BOSTN RD / E 175 ST

**Spill Number: 8906508**      **Close Date: 11/06/2001**  
 BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION  
 Site location mapped by: MANUAL MAPPING (P2)  
 Approximate distance from property: 2465 feet to the N

ADDRESS CHANGE INFORMATION  
 Revised street: 1801 BOSTON RD  
 Revised zip code: NO CHANGE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER  
 Notifier Type: Federal Government  
 Caller Name: MARGARET CHONG  
 DEC Investigator: TOMASELLO

Spiller: SAME  
 Notifier Name:  
 Caller Agency: USEPA  
 Contact for more spill info:

Spiller Phone:  
 Notifier Phone:  
 Caller Phone: (201) 548-8730  
 Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
09/15/1989	11/06/2001	ABANDONED DRUM	YES	NO

NO MATERIAL INFORMATION GIVEN FOR THIS SPILL

Caller Remarks:

DRUM DUMPED BY TA ON THEIR OWN PROPERTY-DISCOVERED BY ECO'S. AT LEAST10 DRUMS OF "DEXTRON" TRANSMISSION FLUID & METHYL ALCOHOL. NYFD ON SCENE. TOMASELLO RESPONDING TO ADVISE ECO'S ON CLEANUP.

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

**Map Identification Number 93**      **BRONX RIVER HOUSES -NYCHA**  
 1575 EAST 174TH STREET

**Spill Number: 9612598**      **Close Date: 08/15/1997**  
 BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION  
 Site location mapped by: MANUAL MAPPING (P6)  
 Approximate distance from property: 2570 feet to the ENE

ADDRESS CHANGE INFORMATION  
 Revised street: NO CHANGE  
 Revised zip code: 10472

Source of Spill: COMMERCIAL/INDUSTRIAL  
 Notifier Type: Responsible Party  
 Caller Name: RAY VELEZ  
 DEC Investigator: HEALY

Spiller: RAY VELEZ - NYC HOUSING AUTH  
 Notifier Name: RICHARD SCOTT  
 Caller Agency: NYC HOUSING AUTHORITY  
 Contact for more spill info: EMERGENCY SERVICES

Spiller Phone: (212) 306-3142  
 Notifier Phone: (212) 306-3142  
 Caller Phone: (212) 306-3142  
 Contact Person Phone: (212) 289-3940

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
01/22/1997		HUMAN ERROR	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#4 FUEL OIL	PETROLEUM	200.00	GALLONS	0.00	GALLONS	SOIL

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Caller Remarks:

NUMBER 4 FUEL WAS PUT INTO WRONG TANK SPILLING ABOUT 200 GALS.

SPILL IS CONTAINED IN A VAULT. SPILL TO BE CLEANED UP IN AM

ON JAM 23RD, 1997. CLEANUP TO BE DONE BY WINSTON CONTRACTING.

NYC HOUSING DID VERIFY SPILL IS CONTAINED.

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

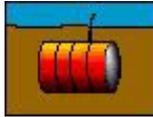
**THE FOLLOWING CLOSED SPILLS FOR THIS CATEGORY WERE REPORTED BETWEEN 1/4 MILE AND 1/2 MILE FROM THE SUBJECT ADDRESS. THESE SPILLS WERE REPORTED TO BE LESS THAN 100 UNITS IN QUANTITY AND CAUSED BY: EQUIPMENT FAILURE, HUMAN ERROR, TANK OVERFILL, DELIBERATE SPILL, TRAFFIC ACCIDENT, HOUSEKEEPING, ABANDONED DRUM, OR VANDALISM. THESE SPILLS ARE NEITHER MAPPED NOR PROFILED IN THIS REPORT.**

FACILITY ID	FACILITY NAME	STREET	CITY
8809969	1534 BRYANT AVE/BRONX	1534 BRYANT AVENUE	NEW YORK CITY
9203740	1660 BOONE AVE	1660 BOONE AVE	BRONX
0314316	BRONX EAST 03A DOS -DDC	1661 WEST FARMS ROAD	BRONX
0505211	DRUM RUN - PARKING LANE	1321 BRONX RIVER AVE	BRONX
0107623		1700 BOONE AVE/174TH ST	BRONX
0201888	INTERSECTION	FREEMAN AVE/LONGFELLOW RD	BRONX
9312214	1255 EVERGREEN AVENUE	1255 EVERGREEN AVENUE	BRONX
0107083		1704 BOONE AVE	BRONX
0009600	MAN HOLE # 13279	EAST 172ST/SOUTHER BLVD	BRONX
9611127	SHERATON EXPRESSWAY	SERVICE RD&WESTCHESTER AV	BRONX
0512565	GETTY #329	1441 WESTCHESTER AVE	BRONX
0504506	GETTY STATION#329	1441 WESTCHESTER AVE	BRONX
9512742	1712 LONGFELLOW AVE	1712 LONGFELLOW AVE	BRONX
0512565	GETTY #329	1441 WESTCHESTER AVE	BRONX
9912609		1508 EAST 172ND ST	BRONX
9511693	BRONX RIVER AV/WESTCHESTE	BX RIVER AV/WESTCHESTER	BRONX
9511996	1182 W FARMS RD	1182 W FARMS RD	BRONX
0011458		1256 WHEELER AVE	BRONX
9912291		1687 VYSE AV	BRONX
0202108	LONGFELLOW AV	EAST 174TH ST	BRONX
0512577	GETTY# 268	1185 BRONX RIVER AVE	BRONX
0513696	GETTY 268	1185 BRONX RIVER AVE	BRONX
0302371		1150 LONGFELLOW AVE	BRONX

0512577	GETTY# 268	1185 BRONX RIVER AVE	BRONX
0513696	GETTY 268	1185 BRONX RIVER AVE	BRONX
0313483	GETTY SERVICE STATION #26	1185 BRONX RIVER AVE	BRONX
0504618	GETTY #268	1185 BRONX RIVER AVE	BRONX
0109421	MILITA FERREIRA	1144 LONGFELLOW AVE	BRONX
0305206	VAULT 1910	EVERGREEN AVE/WESTCHESTER	BRONX
0600860	MANHOLE #1317	BRONX RIVER AVE & E 174 STREET	BRONX
9512429	1773 VYSE AVE	1773 VYSE AVE	BRONX
0510769	APARTMENT BUILDING	1134 WEST FARMS RD	BRONX
9607847	1210 ELDER AVENUE	1210 ELDER AVENUE	BRONX
9512745	1244 BOYNTON ST	1244 BOYNTON ST	BRONX
9108562	BOSTON RD & E 174TH ST	BOSTON RD & E 174TH ST	BRONX
0406144	FREMABA AUTO	WARD AVE.	BRONX
9804594	LOUIS NINE BLVD	BTWN JENNINGS & E 170TH	BRONX
9808568	DWELLING	1535 WESTCHESTER AVE	BRONX
0500036	ACROSS FROM	1700 CROTONA PARK EAST	BRONX
9605252	APT BUILDING	1700 CROTONA PARK EAST	BRONX
9704040	1700 CROTONA PARK EAST	1700 CROTONA PARK EAST	BRONX
9711658	CORTYARD	1700 CROTONA PARK EAST	BRONX
9711887	URBAN HOME OWNERSHIP	1700 CROTONA PARK EAST	BRONX
0209146		1700 CROTONA PK EAST	BRONX
0202883	PARKVIEW APARTMENTS LLC	1680 CROTONA PARK EAST	BRONX
9402761	1680 CROTONA PARK EAST	1680 CROTONA PARK EAST	BRONX
0600791	VEHICLE# 41089 IN ACCIDENT	WESTCHESTER AVE & BRYANT AVE	BRONX
0508267	VAULT #1739	BOYNTON AVE & WESTCHESTER AVE	BRONX
9908983	MANHOLE #8228	E 172ST & MANOR AV	BRONX
0210853	CHASE MANHATTEN BANK	1536 WESTCHESTER AVENUE	BRONX
0507692	I-95 BY EXIT 4A	NORTH LI EXPRESSWAY	BRONX
0111626	LENDLEY AND WOLF INC	1349 STRATFORD AVE	BRONX
0208710	PS 134	1330 BRISTON ST	BRONX
8911216	1158 BOYNTON AVE/BX	1158 BOYNTON AVENUE	NEW YORK CITY
9112455	1605 E 174TH ST	1605 E 174TH ST	BRONX
9411827	BRONX RIVER HOUSES-NYCHA	1575 EAST 174TH STREET	BRONX
9612593	BRONX RIVER	1575 EAST 174TH ST	BRONX
9705932	BRONX RIVER HOUSES	1595 EAST 174TH STREET	BRONX
9110530	BRONX RIVER -NYCHA	1575 EAST 174TH STREET	BRONX
9913816	MANHOLE 23172	FRONT OF 1435 HAROD AVE	BRONX
0008491	1340 STRATFORD AVE	1340 STRATFORD AVE	BRONX
0011892		1340 STRATFORD AVE	BRONX
0212170	JOSE GARCIA	1129 SOUTHERN BLVD	NY



***\* NO OIL STORAGE FACILITIES LARGER THAN 400,000 GALLONS IDENTIFIED WITHIN 1/8 MILE SEARCH RADIUS \****



**\* PETROLEUM BULK STORAGE FACILITIES LESS THAN 400,000 GALLONS IDENTIFIED WITHIN THE 1/8 MILE SEARCH RADIUS \***

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

**Map Identification Number 94      J & L AUTO SEV      Facility Id: 2-259772      Source: NYS DEC**  
 1471 W FARMS RD      NYC, NY 10460

**MAP LOCATION INFORMATION**

Site location mapped by: MANUAL MAPPING (P2)  
 Approximate distance from property: 88 feet to the SSW\*

**ADDRESS CHANGE INFORMATION**

Revised street: NO CHANGE  
 Revised zip code: NO CHANGE

Facility Type: Retail Gasoline Sales  
 Site Status: Unregulated (<1101 gallons)  
 Expiration Date of the facility's registration certificate: 10/02/2002

**TANK INFORMATION**

Aboveground tanks: No      Underground tanks: No

The following information has not been publicly updated on a statewide basis since 1/1/2002.

Operator Name: JO-ANN UBERTINI      Facility Phone #: (718) 328-8528  
 Owner Name: ESTATE OF LOUIS ROMANO  
 Owner Address: 1481 W FARMS RD      BRONX, NY 10460

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	TEMP OUT OF SERVICE	UNLEADED GASOLINE	550	UNDERGROUND	12/01/1964		
002	TEMP OUT OF SERVICE	UNLEADED GASOLINE	550	UNDERGROUND	12/01/1964		
003	TEMP OUT OF SERVICE	UNLEADED GASOLINE	550	UNDERGROUND	12/01/1964		
004	TEMP OUT OF SERVICE	UNLEADED GASOLINE	550	UNDERGROUND	12/01/1964		
005	TEMP OUT OF SERVICE	UNLEADED GASOLINE	550	UNDERGROUND	12/01/1964		
006	TEMP OUT OF SERVICE	UNLEADED GASOLINE	550	UNDERGROUND	12/01/1964		

**Map Identification Number 95      MRC/754 E 161ST HDFC      Facility Id: 2-605594      Source: NYS DEC**  
 1500 LONGFELLOW AVE.      BRONX, NY 10460

**MAP LOCATION INFORMATION**

Site location mapped by: MANUAL MAPPING (P2)  
 Approximate distance from property: 268 feet to the WNW

**ADDRESS CHANGE INFORMATION**

Revised street: NO CHANGE  
 Revised zip code: NO CHANGE

Facility Type: Apartment Building  
 Site Status: Active  
 Expiration Date of the facility's registration certificate: 04/06/2006

**TANK INFORMATION**

Aboveground tanks: Yes

Underground tanks: No

The following information has not been publicly updated on a statewide basis since 1/1/2002.

Operator Name: JOE VARELA Facility Phone #: (718) 542-2072  
 Owner Name: MORRISANIA REVITALIZATION CORP.  
 Owner Address: 1199 FULTON AVENUE BRONX, NY 10456

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	IN SERVICE	#1 2 OR 4 FUEL OIL	2500	ABOVEGROUND ON LEGS RACKS ETC			

**Map Identification Number 96**      **MRC/754 E 161ST ST HDFC**      **Facility Id: 2-605595**      **Source: NYS DEC**  
 1504 LONGFELLOW AVE.      BRONX, NY 10460

**MAP LOCATION INFORMATION**

Site location mapped by: MANUAL MAPPING (P2)  
 Approximate distance from property: 273 feet to the WNW

**ADDRESS CHANGE INFORMATION**

Revised street: NO CHANGE  
 Revised zip code: NO CHANGE

Facility Type: Apartment Building  
 Site Status: Active  
 Expiration Date of the facility's registration certificate: 04/06/2006

**TANK INFORMATION**

Aboveground tanks: Yes

Underground tanks: No

The following information has not been publicly updated on a statewide basis since 1/1/2002.

Operator Name: JOE VARELA Facility Phone #: (718) 542-2072  
 Owner Name: MORRISANIA REVITALIZATION CORP.  
 Owner Address: 1199 FULTON AVE. BRONX, NY 10456

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	IN SERVICE	#1 2 OR 4 FUEL OIL	2500	ABOVEGROUND ON LEGS RACKS ETC			

**Map Identification Number 97**      **MRC/754 E 161ST ST HDFC**      **Facility Id: 2-605593**      **Source: NYS DEC**  
 1496 LONGFELLOW AVE.      BRONX, NY 10460

**MAP LOCATION INFORMATION**

Site location mapped by: MANUAL MAPPING (P2)  
 Approximate distance from property: 306 feet to the WNW

**ADDRESS CHANGE INFORMATION**

Revised street: NO CHANGE  
 Revised zip code: NO CHANGE



**Map Identification Number 99**      **MARINE BOILER & WELDING INC**  
 1428 SHERIDAN AVE

**Facility Id: 2-097748**      **Source: NYS DEC**  
 BRONX, NY 10459

**MAP LOCATION INFORMATION**

Site location mapped by: MANUAL MAPPING (3)  
 Approximate distance from property: 539 feet to the SSE

**ADDRESS CHANGE INFORMATION**

Revised street: 1428 SHERIDAN EXPRESSWAY  
 Revised zip code: NO CHANGE

Facility Type: Other  
 Site Status: Active  
 Expiration Date of the facility's registration certificate: 05/07/2007

**TANK INFORMATION**

Aboveground tanks: No      Underground tanks: Yes

The following information has not been publicly updated on a statewide basis since 1/1/2002.

Operator Name: MARINE BOILER & WELDING INC      Facility Phone #: (212) 991-3203  
 Owner Name: HOLD CONTRACTING  
 Owner Address: 1428 SHERIDAN EXPRESSWAY      BRONX, NY 10459

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
00I	IN SERVICE	UNLEADED GASOLINE	550	UNDERGROUND	12/01/1959		
0II	IN SERVICE	LEADED GASOLINE	2000	UNDERGROUND	03/01/1975	06/01/1995	

**Map Identification Number 100**      **NYS DOT - D258767**  
 SHERIDAN EXPRESSWAY (SB) @ JENNINGS ST.

**Facility Id: 2-609378**      **Source: NYS DEC**  
 BRONX, NY 10460

**MAP LOCATION INFORMATION**

Site location mapped by: MANUAL MAPPING (5)  
 Approximate distance from property: 540 feet to the S

**ADDRESS CHANGE INFORMATION**

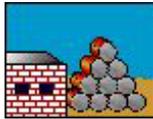
Revised street: SHERIDAN EXPY / JENNINGS ST  
 Revised zip code: NO CHANGE

Facility Type: Other  
 Site Status: Unregulated (<1101 gallons)  
 Expiration Date of the facility's registration certificate: 12/02/2008

**TANK INFORMATION**

Aboveground tanks: No      Underground tanks: No





**\* HAZARDOUS WASTE GENERATORS/TRANSPORTERS IDENTIFIED WITHIN 1/8 MILE SEARCH RADIUS \***

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

**Map Identification Number 103      ESTATE OF LOUIS ROMANO      Facility Id: NYR000115212**  
 1471 W FARMS RD      BRONX, NY NO ZIP PROVIDED  
 EPA (RCRA) Name: J & A SERVICE - CLOSED  
 EPA (RCRA) Address: 1471 W FARMS RD      BRONX, NY 10460

MAP LOCATION INFORMATION      ADDRESS CHANGE INFORMATION  
 Site location mapped by: MANUAL MAPPING (P2)      Revised street: NO CHANGE  
 Approximate distance from property: 94 feet to the SSW\*      Revised zip code: 10460

US EPA RCRA Type: CONDITIONALLY EXEMPT SMALL QUANTITY GENERATOR      Notification date: 04/28/2003      Part A notification date: 04/28/2003  
 Land Disposal: Receives offsite waste:      Incinerator:  
 Storer: Treatment facility:      Transporter:

NYS DEC Manifested Waste Summary:  
 Waste Codes, Waste Units, and Transaction Types are only shown for the most recent year reported.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR
D001	Solid waste that exhibits the characteristic of ignitability	110	GALLONS	GENERATED	2003

**Map Identification Number 104      NEW YORK CITY B O E      Facility Id: NY0000375709**  
 PS-66      BRONX, NY 10460  
 EPA (RCRA) Name: NYC BD OF ED - PUBLIC SCHOOL 66 BRONX  
 EPA (RCRA) Address: 1001 JENNINGS ST      BRONX, NY 10460

MAP LOCATION INFORMATION      ADDRESS CHANGE INFORMATION  
 Site location mapped by: MANUAL MAPPING (P2)      Revised street: 1001 JENNINGS ST  
 Approximate distance from property: 382 feet to the SW      Revised zip code: NO CHANGE

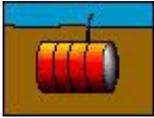
US EPA RCRA Type: CONDITIONALLY EXEMPT SMALL QUANTITY GENERATOR      Notification date: 07/27/1995      Part A notification date: 07/27/1995  
 Land Disposal: Receives offsite waste:      Incinerator:  
 Storer: Treatment facility:      Transporter:

NYS DEC Manifested Waste Summary:  
 Waste Codes, Waste Units, and Transaction Types are only shown for the most recent year reported.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR
D008	Lead	700	POUNDS	GENERATED	1995

Toxicity Information Summary

CHEMICAL NAME	CAS-NO	ACUTE TOX	TUMOR TOX	MUTAG TOX	REPRO TOX	IRRIT TOX	MCL
Lead	7439921	X	X	X	X		0.05mg/L*



***\* NO CHEMICAL STORAGE FACILITIES IDENTIFIED WITHIN 1/8 MILE SEARCH RADIUS \****



***\* NO HISTORIC UTILITY SITES IDENTIFIED WITHIN 1/8 MILE SEARCH RADIUS \****



***\* NO HAZARDOUS SUBSTANCE WASTE DISPOSAL SITES IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS \****



***\* NO TOXIC AIR, LAND AND WATER RELEASES IDENTIFIED WITHIN 1/8 MILE SEARCH RADIUS \****



***\* NO WASTEWATER DISCHARGES IDENTIFIED WITHIN 1/8 MILE SEARCH RADIUS \****



***\* NO AIR DISCHARGE FACILITIES IDENTIFIED WITHIN 1/8 MILE SEARCH RADIUS \****



**\* CIVIL & ADMINISTRATIVE ENFORCEMENT DOCKET FACILITIES IDENTIFIED WITHIN 1/8 MILE SEARCH RADIUS \***

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

**Map Identification Number 105**      **NYC BD OF ED - PS 66**  
 1001 JENNINGS STREET

BRONX, NY 10460

**Facility Id NY0000375709**

**MAP LOCATION INFORMATION**

Site location mapped by: MANUAL MAPPING (P2)  
 Approximate distance from property: 337 feet to the WSW

**ADDRESS CHANGE INFORMATION**

Revised street: NO CHANGE  
 Revised zip code: NO CHANGE

=====

**CIVIL ENFORCEMENT DOCKET CASE INFORMATION**

=====

DOCKET CASE #	COURT DOCKET NUMBER	DATE FILED	DATE CONCLUDED	JUDICIAL DISTRICT	CASE NAME
02-1994-0052	98 CIV 5095 (SHS)	07-21-1998	07-20-1999	SDNY	NEW YORK CITY SCHOOL CONSTRUCT

DEFENDANT NAME(S): ADMIRAL ABATEMENT  
 ASBESTOS PRO'S, INC.  
 CERTIFIED ASBESTOS CORP.  
 CST ENVIRONMENTAL, INC.  
 EWT CONTRACTING, INC.  
 KISS CONSTRUCTION  
 NATIONAL ENVIRONMENTAL SAFETY COMP., INC  
 NEW YORK CITY SCHOOL CONSTRUCTION AUTH  
 TRIO ASBESTOS REMOVAL CORPORATION

LAW(S) VIOLATED  
 Clean Air Act - Section 112  
 Clean Air Act - Section 113

DISPOSITION OF CASE  
 Consent instrument with penalty

FEDERAL PENALTY ASSESSED      COST RECOVERY AWARDED  
 175000

TYPE OF VIOLATION(S)  
 Asbestos Requirement Violation (CAA)  
 National Emission Standard for Hazardous Air Pollutant

TYPE OF POLLUTANT(S)  
 ASBESTOS





***\* NO NYC ENVIRONMENTAL QUALITY REVIEW REQUIREMENTS - "E" DESIGNATION SITES IDENTIFIED WITHIN 250 FT SEARCH RADIUS \****

U.S. EPA EMERGENCY RESPONSE NOTIFICATION SYSTEM (ERNS)  
AT THE LOCATION OR POTENTIALLY AT THE LOCATION OF  
1493 Boone Avenue  
Bronx, NY 10460

\* Any ERNS Spills listed below are NOT mapped in this report \*

ONSITE ERNS (A count of these spills can be found in the distance interval table):  
THIS SITE IS NOT FOUND IN THE ERNS DATABASE

POTENTIALLY ONSITE ERNS:  
THIS SITE IS NOT FOUND IN THE ERNS DATABASE

NEW YORK STATE DEPARTMENT OF HEALTH RADON DATA  
FOR THE ZIPCODE OF:  
10460

NUMBER OF HOMES TESTED	AVERAGE FOR THE ZIP	STANDARD DEVIATION	MAXIMUM READING FOR THE ZIP
No Radon Data for Zip Code 10460			

NEW YORK CITY FIRE DEPARTMENT TANK SEARCH  
AT THE LOCATION OF  
1493 Boone Avenue  
Bronx, NY 10460

None Identified.

Unmappable facilities for 'Bronx' County

Solid Waste Facilities

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
03C01	BRONX FRONTIER COMPOSTING			UNKNOWN
03D05	SOUTH BRONX MARINE DEMO			UNKNOWN
03T03				UNKNOWN
03T04	REALTY TRS. STA.			UNKNOWN
03T06	LEE-BIN T.S.			UNKNOWN
03T10	A.L.A LAND DEVELOP TRS.ST			UNKNOWN
03T11	BEM CONTRACTING TRANS STA			UNKNOWN
03T35	UNIVERSAL DEMO RECYCLING			UNKNOWN
03V40	ECCO-SUBURBAN CARTING			UNKNOWN
03W78	FELIX RECYCLING FILL MATE			UNKNOWN
03W86	VINCENT RUSCIANO CONSTRUCT			UNKNOWN
		164TH ST	BRONX	UNKNOWN
		BOTTNER AVE.	BRONX	UNKNOWN
		21B GARAGE	BRONX	UNKNOWN
		168TH & RANDALLS AVE.	BRONX	UNKNOWN
		HERIOT AVE	BRONX	UNKNOWN

Hazardous Spills - TANK TEST FAILURES - Active

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
0606279	RESIDENTIAL	820 PHERIOT AVE	BRONX	UNKNOWN

Hazardous Spills - UNKNOWN CAUSE OR OTHER CAUSES - Active

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
0512943	CONSTRUCTION SITE	1040-1052 EDGEWATER ROAD	BRONX	UNKNOWN

Hazardous Spills - MISC. SPILL CAUSES - Active

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
0507685	VAULT 1744	EDGEWATER RD AND WESTCHESTER AVE	BRONX	UNKNOWN

Hazardous Spills - TANK FAILURES - Closed

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
9506254	GUN HILL DEPOT	GUN HILL DEPOT	BRONX	10469
9315220	900 SETELEY	900 SETELEY	BRONX	UNKNOWN
9309517	HIGHWAY PATROL PRECINT # 1 NYPD -DDC	BRONX RIVER PARKWAY	BRONX	UNKNOWN
0003047	PARKING LOT	AUSTIN RD/DYER AVE	BRONX	UNKNOWN
8600057	TEXACO/BOSTN POST RDBRONX	INTERSECTN.-BOSTON POST RD	NEW YORK CITY	UNKNOWN

Hazardous Spills - TANK TEST FAILURES - Closed

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
9500889	1419 MORNS AVENUE	1419 MORNS AVENUE	BRONX	UNKNOWN
8809318	CLOSED-LACKOF RECENT INFO	(NO STREET INFO)	BRONX	UNKNOWN

Hazardous Spills - UNKNOWN CAUSE OR OTHER CAUSES - Closed

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
8606271	RAW SEWAGE ITEM #932			UNKNOWN
9913978	BRONX EXPRESSWAY	SERVICE RD	BRONX	UNKNOWN
9913161	SERVICE BOX 7993	EAST OF 170TH ST	BRONX	UNKNOWN
9906166	HARLEM RIVER	YONKERS BORDER	BRONX	UNKNOWN
9901766	TM777	HUGHE GRANT CIRCLE/177TH	BRONX	UNKNOWN
9713244	DEPT SANITAION	NEAR PLAZA MATERIALS	BRONX	UNKNOWN
9611109	CROTON AQUADUCT	CROTON AQUADUCT	BRONX	UNKNOWN
9515857	1227 PINTON AVE	1227 PINTON AVE	BRONX	UNKNOWN
9502018	CROSS BX EPWY & ROSA AVE	CROSS BX EPWY / ROAS AVE	BRONX	UNKNOWN

9416011	APARTMENT BLDG.	USS MORRISON AVE. B4	BRONX	UNKNOWN
9415281	UNK	UNKNOWN	BRONX	UNKNOWN
9315186	BRONX RIVER AVENUE	BRONX RIVER AVENUE	BRONX	UNKNOWN
8504703	NEW WINDSOR BRONX	NEW WINDSOR BRONX	BRONX	UNKNOWN
8503365	BRONX	BRONX	BRONX	UNKNOWN
8503141	BRONX	BRONX	BRONX	UNKNOWN
8100079			BRONX	UNKNOWN
0606532	BRONX RIVER	BRONX RIVER FORREST	BRONX	UNKNOWN
0604548	ON STREET	BOSTON POST 4250	BRONX	UNKNOWN
0600554	HUNTS UNTS POINT MARKETS	2A NYC TERMINAL MARKET	BRONX	UNKNOWN
0512294	GETTY #58505	13 SEDWICK AVE	BRONX	UNKNOWN
0511299	ATAR PLACE	STADIUM AVE	BRONX	UNKNOWN
0510600	HUNTS POINT STATION	TRACK	BRONX	UNKNOWN
0510495	BOTANICAL GARDENS	BEDFORD PARK/SOUTHERN BL	BRONX	UNKNOWN
0509587	CROSS BRONX EXP	BETWEEN ROSEDALE /WEST	BRONX	UNKNOWN
0508362	BUILDING	1253 STELEY AVE	BRONX	UNKNOWN
0506235	BRONX RIVER	WESTCHESTER AVE/EDGEWATER	BRONX	UNKNOWN
0411348	VAULT #VS1664	EAST SIDE OF SOUTHERN BOU	BRONX	UNKNOWN
0410879	METRO NORTH HUDSON LINE	MORRIS HGTS	BRONX	UNKNOWN
0407227	EAST RIVER (ROCKS/WATER)	SUNSET TRAIL/EXPWY	BRONX	UNKNOWN
0404979	TRANSFORMER VAULT 2779	2225 LACOMBE AV	BRONX	UNKNOWN
0404427	MANHOLE 22192	BRYANT AVE	BRONX	UNKNOWN
0403511	BRONX RIVER	S. OF TREEMONT AVE.	BRONX	10460
0304216	HUNTS POINT STATION	HUNTS POINT STATION	BRONX	UNKNOWN
0300105	BRONX ZOO	OFF SOUTHERN BLVD	BRONX	10460
0210778	HOUSING DEVELOPMENT	2160 SEWARD AV	BRONX	UNKNOWN
0103829	MANHOLE 12	BROOKLYN BLVD/WALNUT ST	BRONX	UNKNOWN
0100318	HARLEM RIVER	NEAR HAMILTON AVE BRIDGE	BRONX	UNKNOWN
0009889	I295 BETWEEN I95 TO TOLL	BOOTH	BRONX	UNKNOWN
0004934	VAULT 2052	THERIOT AVE/ASTORIA AVE	BRONX	UNKNOWN
9209502	UNK	UNK	NEW YORK	UNKNOWN
0605752	RESIDENTIAL PROPERTY	RIVER ROAD	NEW YORK	UNKNOWN
8905093	CROSS BRONX EXPWY/BX	CROSS BRONX EXPRESSWAY	NEW YORK CITY	UNKNOWN
8607915	NEW YORK CITYF		NEW YORK CITY	UNKNOWN
8603024	BRONX	BRONX	NEW YORK CITY	UNKNOWN
9304810	167ST & HRD-REGULATOR #51	167ST & HRD-REGULATOR #51	NYC	UNKNOWN

Hazardous Spills - MISC. SPILL CAUSES - Closed

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
9913976	CROSS-BRONX EXPRESSWAY	SERVICE ROAD	BRONX	UNKNOWN
9912664	WEST CAMBRIDGE &	BAILEYS AV	BRONX	UNKNOWN
9911775	ON 181ST ST	IFO WEST GATE HOUSE	BRONX	UNKNOWN
9900490		4375 BRONX AVE	BRONX	UNKNOWN
9900067		EDFORD BLVD?/SOUTHERN BLV	BRONX	UNKNOWN
9811600		3243 CHALL AVE	BRONX	UNKNOWN
9804474	EAST BOUND LN	CROSS BRONX EXPRESSWAY	BRONX	UNKNOWN
9800751	VAULT 2210	BRISTON AND STEBBEN AVE	BRONX	10459
9711348	BAYSIDE FUEL	1975 FREDERICK AVE	BRONX	UNKNOWN
9709352	METRO-NORTH RAILROAD	HUDSON LINE TR#4 MIL 7.5	BRONX	UNKNOWN
9700908	BTWN WATSON 7 GLEASON AV	HILL AV	BRONX	10472
9512039	2934 VENTON AVE	2934 VENTON AVE	BRONX	UNKNOWN
9502949	2417 BALTIC AVENUE	2417 BALTIC AVENUE	BRONX	UNKNOWN
9501561	CROSS BRONX EXPWY	CROSS BRONX EXPWY	BRONX	UNKNOWN
9416098	I-87 MAJOR DEEGAN EXPWY	1-87 MAJOR DEEGAN-BROADWA	BRONX	UNKNOWN
9414961	448 CUSLOGA AVENUE	448 CUSLOGA AVE	BRONX	UNKNOWN
9412838	34 MT MORRIS PARKWAY	34 MT MORRIS PARKWAY	BRONX	UNKNOWN
9411935	1821 FAIRVIEW AVENUE	1821 FAIRVIEW AVENUE	BRONX	UNKNOWN
9404921	41 BENNET AVENUE	41 BENNETT AVENUE	BRONX	UNKNOWN
9402342	WESTCHESTER AVENUE	WESTCHESTER AVENUE	BRONX	UNKNOWN
9400698	1667 EAST 731 STREET	667 EAST 731 STREET	BRONX	UNKNOWN

9314217	3100 HEATHER AVE	3100 HEATHER AVE	BRONX	UNKNOWN
9302520	172ND ST CLEARMONT EXPY	172ND ST CLEARMONT EXPY	BRONX	UNKNOWN
9212402	I-95/M.P. 0.5ML NR RR TRK	I-95/M.P. 0.5ML NR RR TRK	BRONX	UNKNOWN
9211051	SO. BRONX EXPSWY	SO. BRONX EXPSWY	BRONX	UNKNOWN
9209574	CROSS BRONX EXPRESSWAY	CROSS BRONX EXPRESSWAY	BRONX	UNKNOWN
9207432	1021 ATH STREET JOHN'S AV	1021 ATH STREET JOHN'S AV	BRONX	UNKNOWN
9106110	CROSS BX EPWY	CROSS BX EPWY	BRONX	UNKNOWN
8604842	WOODHAVEN NEAR 233RD ST	WOODHAVEN NEAR 233RD ST	BRONX	UNKNOWN
8100533	NONE RESPONSIBLE	PARKDALE HOSPITAL	BRONX	UNKNOWN
0605553	IN ROADWAY	CROSSBRONX EXPRESSWAY	BRONX	UNKNOWN
0602583	APARTMENT BUILDING	5775 MARSHALL LEW AVE	BRONX	UNKNOWN
0510358	CONNOR STREET ON THE	NEW ENGLAND THRUWAY	BRONX	UNKNOWN
0510030	IFO TASK FORCE	STATE 87 EXIT - I 95 HWY	BRONX	UNKNOWN
0509958	MANHOLE 23644	CEDAR AVE AND 179 ST	BRONX	UNKNOWN
0504500	100 YARDS BEFORE EXIT9	CROSS BRONX EXPRESSWAY	BRONX	UNKNOWN
0504391	MANHOLE 13133	NE CORNER OF SOUTHERN BLVD	BRONX	UNKNOWN
0409792	BRONX RIVER	179TH STREET WEST FARMS R	BRONX	10460
0408155	HARLEM RIVER	BRONX REST PIER, PIER 8	BRONX	UNKNOWN
0404351		MORRIS AV & SOUNDVIEW	BRONX	UNKNOWN
0314240		PELHAM PKY./ SOUTHERN BLV	BRONX	UNKNOWN
0307692	ARCO MANAGEMENT	2070 SEWARD AV	BRONX	UNKNOWN
0306192	BOSTON PL &	E 147TH ST	BRONX	UNKNOWN
0302981	NYS THRUWAY	N/B - MILE MARKER 2.0	BRONX	UNKNOWN
0301493	TREMOUNT AVE AND	LITTLE LEAGUE AVE	BRONX	UNKNOWN
0211873		2916 PENBROECK AV	BRONX	UNKNOWN
0209754	HUNTS POINT STATION	HUNTS POINT STATION	BRONX	UNKNOWN
0205567	MANHOLE #26582	WHITESTONE AV & GUNHILL R	BRONX	UNKNOWN
0205154	179TH ST SUB-STATION	179TH ST	BRONX	UNKNOWN
0109044	NEW ENGLAND THRUWAY	I-95 EXPRESSWAY	BRONX	UNKNOWN
0106596		168 ARCHER AVE	BRONX	UNKNOWN
0012756	INTO A SEWER	CROSS BRONX EXPRESWAY	BRONX	UNKNOWN
0007746	BRYANT AVENUE	BRYANT AVE	BRONX	UNKNOWN
0004792		CROSS BRONX EXP	BRONX	UNKNOWN
0003714	PHELAM YARD MAIN TRACK	MILE POST E-15	BRONX	UNKNOWN
0002198	VAULT 1690	256 GREEN POINT AVENUE	BRONX	UNKNOWN
8801616	CROSS BRONX EXPWY	CROSS BRONX EXPRESSWAY	N Y C	UNKNOWN
9606764	FEEDER #71	DUNWOODIE TO RAINEY	NEW YORK CITY	UNKNOWN
9004330	3915 OILOTT AVE/BX	3915 OILOTT AVENUE	NEW YORK CITY	UNKNOWN
9004299	137 ZEIZER PLACE/BX	137 ZEIZER PLACE	NEW YORK CITY	UNKNOWN
9002010	CROSS BRONX EXPRESSWAY	CROSS BRONX EXPRESSWAY	NEW YORK CITY	UNKNOWN
8807409	CROSS BRONX EXPWY/BX	CROSS BRONX EXPRESSWAY	NEW YORK CITY	UNKNOWN
8804833	BRUCKNER BLVD/BX RIVER AV	BX RIVER AV/WHITE PLNS AV	NEW YORK CITY	UNKNOWN
8700070	CROSS BRONX EXPRESSWAY/W	CROSS BRONX EXPRESSWAY	NEW YORK CITY	UNKNOWN
8802530	CNTRL TRNSPRTN TANKER	CROSS BX EXPSWY	NYC	UNKNOWN

Petroleum Bulk Storage Facilities

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
2-156418	MOBIL S/S 1JARDH AAMCO TRANAS	MOBIL S/S 1JARDH AAMCO TRANAS	BRONX	10400
2-244635	WEST FARMS NEIGHBORHOOD HDF CO., INC.	1 WEST FARMS RD	BRONX	10459
2-325929	C O REALTY INC	2136 CHURCH AVE	BRONX	UNKNOWN
2-610205	NONE	1040 - 1052 EDGEWATER ROAD	BRONX	10459

Hazardous Waste Generation or Transport Facilities

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
NYP004001517	CONSOLIDATED EDISON CO	WORTH STREET V2313		UNKNOWN
NYP004002598	CONSOLIDATED EDISON CO	CROTONA V1312		UNKNOWN
NYP004003232	CONSOLIDATED EDISON CO	C ROES V2218		UNKNOWN
NYD986998904	SUN MAINTENANCE (NYS THRUWAY)	INDIAN CASTLE STA	BRONX	UNKNOWN
NYP000926618	HESS SERVICE STATION/ISLAND TRANSPORT	BRONX RIVER ROAD	BRONX	UNKNOWN
NYP001132338	CONSOLIDATED EDISON	MH11582-AVE C	BRONX	UNKNOWN

NYP004029716	CONSOLIDATED EDISON		V0042-MANOR 7 WATSON	BRONX	10472
NYP004057592	CONSOLIDATED EDISON		MH26587	BRONX	UNKNOWN
NYP004086936	CONSOLIDATED EDISON		MH26904-UNION ST	BRONX	UNKNOWN
NYP004086963	CON EDISION - UNION ST.		UNION STREET UNION STREET	BRONX	UNKNOWN
NYP004087912	CONSOLIDATED EDISON		2 EIGHT AVE-WHITESTONE CINEMAS	BRONX	UNKNOWN
NYP004095949	CONSOLIDATED EDISON		185 W321 ST MH8989	BRONX	UNKNOWN
NYP004098315	CONSOLIDATED EDISON		E 172 ST & THUREL AVE V130	BRONX	UNKNOWN
NYP004106179	CONSOLIDATED EDISON		MH220-S FULTON & ITHICA	BRONX	UNKNOWN
NYP004128936	CONSOLIDATED EDISON		GATEHOUSE EDGEWATER PK	BRONX	UNKNOWN
NYP004129938	CONSOLIDATED EDISON		GATEHOUSE EDGEWATER PK MEAGER	BRONX	UNKNOWN
NYP004131199	CONSOLIDATED EDISON		655 ARROW AVE	BRONX	UNKNOWN
NYP004136115	CONSOLIDATED EDISON		?	BRONX	UNKNOWN
NYP009105235	CONSOLIDATED EDISON		165 ST MH 16690	BRONX	UNKNOWN
NYP010000446	NYCDEP		2204 CENTRAL AV	BRONX	UNKNOWN
NYR000109280	NYSDOT D259024		SHERIDAN EXP CROSS BRONX EXP	BRONX	10460
NYP004127148	CONSOLIDATED EDISON		SCHWARTZ AVE	EAST CHESTER	UNKNOWN
NYD986943157	NYSDOT		SHERIDAN EXPRSWY/E CHESTER RD	FLUSHING	UNKNOWN
NY0000010363	NYCDOT		N/S	N/S	UNKNOWN
NYP000949109	VERIZON NEW YORK INC		W FARMS RD	NEW YORK	UNKNOWN
NYP004040416	CONSOLIDATED EDISON		V1807-WEEKS AVE	NEW YORK	10001
NYP004078721	CONSOLIDATED EDISON		200 FOREST AVE	NEW YORK	UNKNOWN
NYP004120366	CONSOLIDATED EDISON		MH132	NEW YORK	UNKNOWN
NYP000929414	CONSOLIDATED EDISON		V0024 - NEW BOLD	QUEENS	UNKNOWN
NYP004000253	CONSOLIDATED EDISON CO		MH2105-RONX RIVER ROAD	QUEENS	UNKNOWN
NYP004010827	CONSOLIDATED EDISON		V 4078 - BELMONT & STOWE	QUEENS	UNKNOWN
NYP004011334	CONSOLIDATED EDISON		V 1054 - WASHINGTON AVE	QUEENS	UNKNOWN
NYP004070231	CONSOLIDATED EDISON		RED OAK	WESTCHESTER	UNKNOWN

Air Releases

FACILITY ID	FACILITY NAME		STREET	CITY	ZIP
NY005X08L	TAPOLD REALTY CORP	BRONX	NO STREET ADDRESS	NO CITY NAME	UNKNOWN
NY005X12G	J A D REALTY CORP	BRONX	NO STREET ADDRESS	NO CITY NAME	UNKNOWN
NY005X40E	ANTHONY ASSOC	BRONX	NO STREET ADDRESS	NO CITY NAME	UNKNOWN

**Hazardous waste codes presented in individual Toxic Information Profiles are defined below.**

D001 Solid waste that exhibits the characteristic of ignitability, but is not listed under any other hazardous waste code.

D008 Lead

Source: U. S. Environmental Protection Agency

# How Toxic Site Locations Are Mapped

*Toxics Targeting* maps toxic site locations on a computerized version of the U. S. Census map using addresses and map coordinates provided by site owners/operators or government agencies. In order to allow site locations to be verified independently, the information used to map each site is presented in the first section of each *Toxic Site Profile*, along with a description of the mapping technique used and any address corrections that were made in order to locate toxic sites with incomplete or inadequate site location information. The mapping process is explained below.

Map Identification Number: 12

Site Name: Acme World Manufacturing, Inc.

Site Address: 55 Main Street

Anytown, NY 11797

## MAP LOCATION INFORMATION

Site location mapped by:

Address Matching

**1)** Most toxic sites are mapped by matching addresses provided by site owners/operators or government agencies with locations on a computerized version of the U. S. Census map. These site locations are identified "address-matched."

*Note: Some sites have an address match location and a map coordinate location. Both locations are mapped because they can be equally correct.*

or Map Coordinate

**2)** Some toxic sites are located using map coordinates provided by site owners/operators or government agencies. These site locations are identified "map coordinate." Map coordinates for Toxics Wastewater Discharges, Toxic Release Inventory sites and Major Oil Storage Facilities should be considered suspect .

or Manual Mapping

or Site Visit

**3)** Incomplete addresses or map coordinates require some site locations to be determined by commercial street maps (manual mapping), site visits, map coordinates from other databases and address location services. Application of any of these methods is identified accordingly.

## ADDRESS CHANGE INFORMATION

Revised Street: NO CHANGE

Revised zip code: NO CHANGE

**4)** Site addresses are sometimes corrected to eliminate obvious errors that prevent sites from being mapped. All address corrections are noted here.

# Information Source Guide

*Toxics Targeting's Environmental Reports* contain government and other information compiled on 21 categories of reported known or potential toxic sites. Each toxic site database is described below with information detailing a) the source of the information, b) the date when each database is covered to and c) when *Toxics Targeting* obtained the information..

1) **National Priority List for Federal Superfund Cleanup:** Toxic sites nominated for cleanup under the Federal Superfund program. Annual compilation of special two-page detailed profiles of NPL sites. Also includes delisted NPL sites. ASTM required.\* Fannie Mae required.\*\* Source: U. S. Environmental Protection Agency.<sup>1</sup>  
Profile data updated from: 6/2/2006. Data obtained by Toxics Targeting: 6/2/2006.  
New Facilities updated through: 6/2/2006. Data obtained by Toxics Targeting: 6/2/2006.

2) **Inactive Hazardous Waste Disposal Site Registry:** New York State database that maintains information and aids decision making regarding the investigation and cleanup of toxic sites. The Registry's data includes two-page profiles noting site name, ID number, description, classification, cleanup status, types of cleanup, owner information, types and quantities of contaminants, and assessment of health and environmental problems. Also included are sites that qualify for possible inclusion on the Registry. These Registry Qualifying sites may or may not be on the Site Registry. ASTM required.\* Fannie Mae required.\*\* Source: New York State Department of Environmental Conservation.<sup>2</sup>  
Profile data updated through: 5/2/2006. Data obtained by Toxics Targeting: 5/12/2006.  
New Facilities updated to: 5/2/2006. Data obtained by Toxics Targeting: 5/12/2006.

3) **Corrective Action Activity (CORRACTS):** U. S. Environmental Protection Agency database of hazardous facilities regulated pursuant to the Resource Conservation and Recovery Act (RCRA). ASTM required.\* Fannie Mae required.\*\* Source: U. S. Environmental Protection Agency<sup>1</sup>  
New facilities updated through: 6/6/2006. Data obtained by Toxics Targeting: 6/16/2006.  
Data attributes updated through: 6/6/2006. Data obtained by Toxics Targeting: 6/16/2006.

4) **CERCLIS:** Toxic sites listed in the Federal Comprehensive Environmental Response, Compensation and Liability Information System. No Further Remedial Action Planned (NFRAP) sites are also included. ASTM required.\* Fannie Mae required.\*\* Source: U. S. Environmental Protection Agency.<sup>1</sup>  
Profile data updated through: 1/16/2006. Data obtained by Toxics Targeting: 1/26/2006.  
New Facilities updated through: 1/16/2006. Data obtained by Toxics Targeting: 1/26/2006.

5) **Brownfield Programs:** NYS programs for sites that are abandoned, idled or under-used industrial and/or commercial sites where expansion or redevelopment is complicated by real or perceived environmental contamination. ASTM required.\* Source: New York State Department of Environmental Conservation.<sup>2</sup>  
Profile data updated through: 5/2/2006. Data obtained by Toxics Targeting: 5/12/2006.  
New Facilities updated to: 5/2/2006. Data obtained by Toxics Targeting: 5/12/2006.

- (a) Brownfield Cleanup Program (BCP)
- (b) Voluntary Cleanup Program (VCP)
- (c) Environmental Restoration Program (ERP)

6) **Solid Waste Facilities:** NYS database of solid waste facilities, including, but not limited to, landfills, incinerators, transfer stations, recycling centers. ASTM required.\* Fannie Mae required.\*\* Source: New York State Department of Environmental Conservation.<sup>2</sup>  
Data updated to: 12/31/2001. Data obtained by Toxics Targeting: 3/16/2002.

Also includes a listing of solid waste disposal sites operated by New York City municipal authorities circa 1934.  
Source: City of New York Department of Sanitation (1984). Waste Disposal Problem in New York City: A Proposal For Action.

## 7) **RCRA Hazardous Waste Treatment, Storage or Disposal Facility Databases:**

- (a) **Manifest Information:** New York State database of hazardous waste facilities and shipments regulated by the DEC's Bureau of Hazardous Waste Facility Compliance pursuant to NYS Law and the Resource Conservation and Recovery Act (RCRA). ASTM required.\* Fannie Mae required.\*\* Source: New York State Department of Environmental Conservation.<sup>2</sup>  
New facilities updated through: 7/6/2006. New facilities obtained by Toxics Targeting: 7/10/2006.  
Manifest transactions data updated to: 7/6/2006. Manifest transactions data obtained by Toxics Targeting: 7/10/2006.

(b) **RCRA Notifier & Violations Information**: U. S. Environmental Protection Agency database of hazardous facilities regulated pursuant to the Resource Conservation and Recovery Act (RCRA).

ASTM required.\* Fannie Mae required.\*\*

Source: U. S. Environmental Protection Agency<sup>1</sup>

New facilities updated through: 6/6/2006.

Data obtained by Toxics Targeting: 6/16/2006.

Data attributes updated through: 6/6/2006.

Data obtained by Toxics Targeting: 6/16/2006.

8) **Spills Information Database**: Spills reported to the DEC as required by one or more of the following: Article 12 of the Navigation Law, 6 NYCRR Section 613.8 (from Petroleum Bulk Storage Regulations) or 6 NYCRR Section 595.2 (from Chemical Bulk Storage Regulations). The database includes *active* and *closed* spills reported on or before 9/14/2006. ASTM required.\* Fannie Mae.\*\* Source: NYS Department of Environmental Conservation.<sup>2</sup>

Spill attribute data through: 9/14/2006

New spills through: 9/14/2006

Active spills: paperwork not completed.

Closed spills: paperwork completed.

Both active and closed spills may or may not have been cleaned up (see Date Cleanup Ceased in spill profiles).

9) **Major Oil Storage Facilities**: NYS database of facilities licensed pursuant The to Article 12 of the Navigation Law, 6NYCRR Parts 610 and 17NYCRR Part 30, such as onshore facilities or vessels, with petroleum storage capacities equal to or greater than four hundred thousand gallons. **Data withheld by the NYSDEC as of 4/1/2002.** ASTM required.\* Fannie Mae required.\*\* Source: New York State Department of Environmental Conservation.<sup>2</sup>

New facilities updated through: 1/1/2002.

New facilities data obtained by Toxics Targeting: 1/11/2002.

Tank data updated through: 1/1/2002.

Tank data obtained by Toxics Targeting: 1/11/2002.

10) **Petroleum Bulk Storage Facilities**: Local and State databases of aboveground and underground petroleum storage facilities with a combined storage capacity over 1,100 gallons.

ASTM required.\* Fannie Mae required.\*\*

Source: NYS Department of Environmental Conservation.<sup>2</sup>

All New York Counties except Cortland, Nassau, Rockland, Suffolk, and Westchester:

Update schedule: rolling basis; **Individual tank data has been withheld by the NYSDEC since 4/1/2002.**

New facilities and facility data updated through: 6/14/2006.

Data obtained: 6/26/2006.

Individual tank data updated through: 1/1/2002.

Data obtained by Toxics Targeting: 1/1/2006.

11) **RCRA Hazardous Waste Generators and/or Transporters Databases**:

(a) **Manifest Information**: New York State database of hazardous waste facilities and shipments regulated by the NYS Department of Environmental Conservation's Bureau of Hazardous Waste Facility Compliance pursuant to New York State Law. ASTM required.\* Fannie Mae required.\*\* Source: New York State Department of Environmental Conservation.<sup>2</sup>

New facilities updated through: 7/6/2006.

New facilities obtained by Toxics Targeting: 7/10/2006.

Manifest transactions data updated to: 7/6/2006.

Manifest transactions data obtained by Toxics Targeting: 7/10/2006.

(b) **RCRA Notifier & Violations Information**: U. S. Environmental Protection Agency database of hazardous facilities regulated pursuant to the Resource Conservation and Recovery Act (RCRA).

ASTM required.\* Fannie Mae required.\*\*

Source: U. S. Environmental Protection Agency<sup>1</sup>

New facilities updated through: 6/6/2006.

Data obtained by Toxics Targeting: 6/16/2006.

Data attributes updated through: 6/6/2006.

Data obtained by Toxics Targeting: 6/16/2006.

12) **Chemical Bulk Storage Facilities**: New York State database of facilities compiled pursuant to 6NYCRR Part 596 that store regulated substances listed in 6NYCRR Part 597 in aboveground tanks with capacities greater than 185 gallons and /or in underground tanks of any size. **Data withheld by NYSDEC as of 4/1/2002.**

ASTM required.\* Fannie Mae required.\*\*

Source: New York State Department of Environmental Conservation.<sup>2</sup>

Data updated through: 1/1/2002.

Data obtained by Toxics Targeting: 1/11/2002.

13) **Historic New York City Utility Facilities (1898 to 1950)**: An inventory of selected power generating stations, manufactured gas plants, gas storage facilities, maintenance yards and other gas and electric utility sites identified in various historic documents, maps and annual reports of New York utility companies, including: Sanborn Fire Insurance Maps of NYC (1898-1950); Consolidated Edison Co. Annual Reports (1922-1939); Consolidated Edison Co. Map: "Boroughs of Manhattan and the Bronx Showing Distribution Mains of the New York Edison Co.," (1922); and Consolidated Edison document: "Generating and Annex Stations," (1911).

14) **Hazardous Substance Waste Disposal Site Study**: NYS database of waste disposal sites that may pose threats to public health or the environment, but could not be remediated using monies from the Hazardous Waste Remedial Fund.

Source: New York State Department of Environmental Conservation.<sup>2</sup>

Data updated to: 5/16/2000.

Data obtained by Toxics Targeting: 5/16/2000.

15) **Toxic Release Inventory (TRI)**: Federal database of manufacturing facilities required under Section 313 of the Federal Emergency Planning and Community Right-to-Know Act to report releases to the air, water and land of any specifically listed toxic chemical. See Fannie Mae requirement\*\* below.

Source: U. S. Environmental Protection Agency.<sup>1</sup> / NYS Department of Environmental Conservation<sup>2</sup>

Data updated through: 3/8/2004.

Data obtained by Toxics Targeting: 3/25/2004

16) **Toxic Wastewater Discharges (Permit Compliance System)**: Federal database of discharges of wastewater to surface waters and groundwaters. See Fannie Mae requirement\*\* below. Source: U. S. Environmental Protection Agency.<sup>1</sup>

Data updated through: 6/17/2004.

Data obtained by Toxics Targeting: 7/19/2004.

17) **Air Discharge Facilities**: EPA AIRS database containing address information on each air emission facility and the type of air pollutant emission it is. Compliance information is also provided on each pollutant as well as the facility itself.

See Fannie Mae requirement\*\* below.

Source: U. S. Environmental Protection Agency<sup>1</sup>

Data updated through: 11/24/1999.

Data obtained by Toxics Targeting: 1/6/2000

18) **Civil Enforcement & Administrative Docket**: This database is the U. S. EPA's system for tracking administrative and civil judiciary cases filed on behalf of the agency by the Department of Justice. Fannie Mae required.\*\*

Source: U. S. Environmental Protection Agency.<sup>1</sup>

New Sites through: 10/14/1999.

Data updated through: 10/14/1999.

Data obtained by Toxics Targeting: 11/18/1999.

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

Data updated through: 8/16/2006.

Source: New York City Department of Planning<sup>3</sup>

Data obtained by Toxics Targeting: 11/01/2006

20) **New York City Fire Department Tank Data**.

Source: New York City Fire Department.

Data obtained by Toxics Targeting: 2/13/1997

21) **Emergency Response Notification System (ERNS)**: Federal database of spills compiled by the Emergency Response Notification System. On-site searches only.

ASTM required.\* See Fannie Mae requirement\*\* below.

Source: U. S. Environmental Protection Agency.<sup>1</sup>

Data updated through: 1/31/2000.

Data obtained by Toxics Targeting: 2/15/2000

\* American Society of Testing Materials: Standard Practice on Environmental Site Assessments: Phase I Environmental Site Assessment Process (E1527-05).

\*\* Fannie Mae's Part X Environmental Hazards Management Procedures specify 1.0 mile searches for "any state or Federal list of hazardous waste sites (e.g. CERCLIS, HWDMS etc.)." Searches for the property and adjacent properties are specified for "chemical manufacturing plants," "obvious high risk neighbors engaging in storing or transporting hazardous waste, chemicals or substances" and "...any documented or visible evidence of dangerous waste handling... (e.g. stressed vegetation, stained soil, open or leaking containers, foul fumes or smells, oily ponds, etc." Searches for property and adjacent properties can include sites up to a quarter mile away (W. Hayward, Director, Multi-Family Business Planning and Control, Fannie Mae, personal communication, 5/94).

<sup>1</sup>U. S. Environmental Protection Agency, 290 Broadway, NY, NY 10007-1866.

<sup>2</sup>NYS Department of Environmental Conservation, 625 Broadway, Albany, NY 12233.

<sup>3</sup>New York City Department of City Planning, 22 Reade St, New York, NY 10007-1216

**Impact Environmental**  
Environmental Site Assessment

Appendix D  
Federal Government



# IMPACT ENVIRONMENTAL

170 KEYLAND COURT  
BOHEMIA, NEW YORK 11716  
631.269.8800 TELEPHONE  
631.269.1599 FACSIMILE  
WWW.IMPACTENVIRONMENTAL.COM



1/10/07

Wanda Calderon, FOIA Officer  
US EPA Region 2  
290 Broadway, 26<sup>th</sup> Floor  
New York, New York 10007-1866

## FOI REQUEST

*Site Address:* 1493 & 1508 Boone Avenue  
Bronx, New York

*Municipal Block & Lot:* block 03013, lots 29 & 37

Dear Ms. Calderon:

I am writing to formally request any information regarding the environmental quality of the property identified above. Specific information regarding the property to assist in its identification is noted below. Said request includes any information regarding storage of toxic or hazardous materials, inspections of the property, violations, sampling performed on the property, permits, etc. on the above-captioned property.

*Facilitating one:*

*Owned by:*

Your consideration in this matter is greatly appreciated. Please feel free to contact me if you have any questions regarding this request.

Sincerely,  
**IMPACT ENVIRONMENTAL  
CONSULTING, INC.**

**Chris O'Leary**  
*Environmental Scientist*  
*Ph: 631-269-8800*



# IMPACT ENVIRONMENTAL

170 KEYLAND COURT  
BOHEMIA, NEW YORK 11716  
631.269.8800 TELEPHONE  
631.269.1599 FACSIMILE  
WWW.IMPACTENVIRONMENTAL.COM



1/10/07

Wanda Calderon, FOIA Officer  
US EPA Region 2  
290 Broadway, 26<sup>th</sup> Floor  
New York, New York 10007-1866

## FOI REQUEST

*Site Address:* 1471, 1481 & 1501 West Farms Road  
Bronx, New York

*Municipal Block & Lot:* block 03013, lots 12, 46 & 31

Dear Ms. Calderon:

I am writing to formally request any information regarding the environmental quality of the property identified above. Specific information regarding the property to assist in its identification is noted below. Said request includes any information regarding storage of toxic or hazardous materials, inspections of the property, violations, sampling performed on the property, permits, etc. on the above-captioned property.

***Facilitating one:***

***Owned by:***

Your consideration in this matter is greatly appreciated. Please feel free to contact me if you have any questions regarding this request.

Sincerely,  
**IMPACT ENVIRONMENTAL  
CONSULTING, INC.**

**Chris O'Leary**  
*Environmental Scientist*  
*Ph: 631-269-8800*



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region 2, 290 Broadway, 26<sup>th</sup> Floor  
New York, NY 10007  
212-637-3668  
212-637-5046 (fax)  
Calderon.Wanda@epa.gov

January 18, 2007

Chris O'Leary  
Impact Environmental  
170 Keyland Court  
Bohemia, NY, 11716  
United States

RE: Request No: 02-RIN-00613-07

Dear O'Leary,

This is to acknowledge receipt of your Freedom of Information Act (FOIA), 5 U.S.C. 552, request dated January 12, 2007 and received in this office on January 12, 2007, for records related to:

1775 5th Ave & 103 Mill Rd both in Long Island/1493 & 1508 Boone Ave/1471,1481 & 1501 West Farms Rd all in Bronx, NYS

The program(s) office(s) that have been assigned this request will be responding to you directly. The Agency has twenty (20) working days to respond to your request, except when you have agreed to an alternate due date or unusual circumstances exist that would require an extension of time under 5 U.S.C. 552 (a) (6) (B).

Include your FOIA request number in all subsequent communications with respect to this assignment. Additionally, for faster processing you may provide your email address.

Thank you.

Respectfully,

  
Wanda Calderon  
FOIA Specialist

**Impact Environmental**  
Environmental Site Assessment

Appendix E  
State Government



# IMPACT ENVIRONMENTAL

170 KEYLAND COURT  
BOHEMIA, NY 11716  
631.269.8800 TELEPHONE  
631.269.1599 FACSIMILE  
WWW.IMPACTENVIRONMENTAL.COM



Ms. Ruth Earl – Records Access Officer, NYS DEC  
625 Broadway, 14<sup>th</sup> Floor  
Albany, New York 12233-1016

Fax: 518-402-2209

## FOI REQUEST

*Site Address:* 1493 & 1508 Boone Avenue, Bronx, New York

*Known Spill Numbers:* --

Dear Ms. Earl:

I am writing to request information on DEC files addressing environmental quality for the property at the above address. Information to assist in identifying the site is noted below:

*Current Owner:*

*Facility Description:*

Our request is to identify any pertinent files held within the following Departments:

- Solid & Hazardous Materials – Storage of Materials, Inspections/Violations
- Division of Pesticides - Storage of Materials, Permits, Inspections/Violations
- Division of Air – Permits, Inspections/Violations
- Division of Environmental Remediation - Permits, Inspections/Violations
- Division of Water – Permits, Sampling, Inspections/Violations
- Department of Law Enforcement - Violations
- Division of Environmental Permits – Permits, Certificates
- Bureau of Marine Habitat Protection - Violations
- Oil Spills Unit – Spill Details, Monitoring/Remediation

Your consideration in this matter is greatly appreciated. We will follow up by phone, to ascertain whether we might further assist you with any questions regarding this request.

Sincerely,  
**IMPACT ENVIRONMENTAL**

**Chris O'Leary**

1/10/07

\_\_\_\_\_  
Date



# IMPACT ENVIRONMENTAL

170 KEYLAND COURT  
BOHEMIA, NY 11716  
631.269.8800 TELEPHONE  
631.269.1599 FACSIMILE  
WWW.IMPACTENVIRONMENTAL.COM



Ms. Ruth Earl – Records Access Officer, NYS DEC  
625 Broadway, 14<sup>th</sup> Floor  
Albany, New York 12233-1016

*Fax: 518-402-2209*

## FOI REQUEST

*Site Address: 1471, 1481 & 1501 West Farms Road, Bronx, New York*

*Known Spill Numbers: --*

Dear Ms. Earl:

I am writing to request information on DEC files addressing environmental quality for the property at the above address. Information to assist in identifying the site is noted below:

***Current Owner:***

***Facility Description:***

Our request is to identify any pertinent files held within the following Departments:

- Solid & Hazardous Materials – Storage of Materials, Inspections/Violations
- Division of Pesticides - Storage of Materials, Permits, Inspections/Violations
- Division of Air – Permits, Inspections/Violations
- Division of Environmental Remediation - Permits, Inspections/Violations
- Division of Water – Permits, Sampling, Inspections/Violations
- Department of Law Enforcement - Violations
- Division of Environmental Permits – Permits, Certificates
- Bureau of Marine Habitat Protection - Violations
- Oil Spills Unit – Spill Details, Monitoring/Remediation

Your consideration in this matter is greatly appreciated. We will follow up by phone, to ascertain whether we might further assist you with any questions regarding this request.

Sincerely,  
**IMPACT ENVIRONMENTAL**

**Chris O'Leary**

1/10/07

\_\_\_\_\_  
Date



# IMPACT ENVIRONMENTAL

170 KEYLAND COURT  
BOHEMIA, NY 11716  
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Ms. Ruth Earl – Records Access Officer, NYS DEC  
625 Broadway, 14<sup>th</sup> Floor  
Albany, New York 12233-1016

Fax: 518-402-2209

## FOI REQUEST

Site Address: 1471, 1481, 1501 W Farms Road/ 1493 & 1508 Boone Avenue, Bronx, New York

Known Spill Numbers: 0300164  
Dear Ms. Earl:

I am writing to request information on DEC files addressing environmental quality for the property at the above address. Information to assist in identifying the site is noted below:

**Current Owner:**

**Facility Description:**

Our request is to identify any pertinent files held within the following Departments:

- Solid & Hazardous Materials – Storage of Materials, Inspections/Violations
- Division of Pesticides - Storage of Materials, Permits, Inspections/Violations
- Division of Air – Permits, Inspections/Violations
- Division of Environmental Remediation - Permits, Inspections/Violations
- Division of Water – Permits, Sampling, Inspections/Violations
- Department of Law Enforcement - Violations
- Division of Environmental Permits – Permits, Certificates
- Bureau of Marine Habitat Protection - Violations
- Oil Spills Unit – Spill Details, Monitoring/Remediation

Your consideration in this matter is greatly appreciated. We will follow up by phone, to ascertain whether we might further assist you with any questions regarding this request.

Sincerely,  
**IMPACT ENVIRONMENTAL**

**Chris O'Leary**

1/11/07

\_\_\_\_\_  
Date



## Spill Incidents Database Search

### More information:

[Environmental Remediation Databases](#)

[Glossary of Spills Database Terms](#)

More searches:

[New Spill Incidents Search](#)

[Other Links of Interest...](#)

---

## Spill Record

### Administrative Information

**DEC Region:** 2

**Spill Number:** 0300164

### Spill Date/Time

**Spill Date:** 04/04/2003    **Spill Time:** 12:00 PM

**Call Received Date:** 04/04/2003    **Call Received Time:** 03:51 PM

### Location

**Spill Name:** ABANDONED SERVICE STATION

**Address:** 1471 WEST FARM RD

**City:** BRONX    **County:** Bronx

### Spill Description

**Material Spilled:**

Gasoline

**Amount Spilled:**

0.0000 Gal.

**Cause:** Equipment Failure

**Source:** Gasoline Station

**Resource Affected:** Soil

**Waterbody:**

## **Record Close**

**Date Spill Closed:** 09/08/2003

"Date Spill Closed" means the date the spill case was closed by the case manager in the Department of Environmental Conservation (the Department). The spill case was closed because either; a) the records and data submitted indicate that the necessary cleanup and removal actions have been completed and no further remedial activities are necessary, or b) the case was closed for administrative reasons (e.g., multiple reports of a single spill consolidated into a single spill number). The Department however reserves the right to require additional remedial work in relation to the spill, if in the future it determines that further action is necessary.

If you have questions about this reported incident, please contact the Regional Office where the incident occurred.

---

### **Other Links of Interest**

[Information about the Spill Response and Remediation Program](#)

[Phone Numbers for Spill Response and Remediation](#)

2:AM, 9/9/2003

ap-09-03 09:16A  
Sep-08-03 03:46P

P.02  
P.02

**New York State Department of Environmental Conservation**  
**Hazardous Waste and Petroleum Remediation Section**  
**Division of Environmental Remediation, Region 2**  
47-40 21<sup>st</sup> Street, Long Island City, New York 11101-5407  
Phone: (718)482-6364 • FAX: (718)482-6358  
Website: [www.dec.state.ny.us](http://www.dec.state.ny.us)



September 8, 2003

Estate of Louis Romano  
c/o Ms. Miriam Villani  
Attorney at Law  
EAB Plaza  
Uniondale, New York 11556-0120  
Fax: (516) 227-0777

Spill # 0300164  
Re: 1471 West Farms Road, Bronx, NY

Dear Ms. Villani:

Based on the submitted documentation provided to date no further investigation or response will be required concerning this site, with regard to the spill number referenced above.

Notwithstanding this approval, the Department hereby reserves all of its rights concerning, and such forbearance shall not extend to, any further investigation or remedial action the Department deems necessary:

- I. Due to the off-site migration of petroleum contaminants that was not addressed by this evaluation
- II. Due to environmental conditions related to the site which were unknown to the Department at the time of this approval.
- III. Due to information received, in whole or part, after the Department's approval for inactivation, which indicates the inactivation decision and/or corrective action is not sufficiently protective of human health for the reasonably anticipated use of the site.
- IV. Due to fraud in obtaining this approval for inactivation.

Please be advised that you should maintain a permanent file of all documentation and correspondence regarding this release for future property transactions, refinancing, etc. The Department's files regarding this release may not be maintained indefinitely. If there are any questions concerning this issue, please call me at (718) 482-6364.

Sincerely,

*Jeffrey Vought*  
Jeffrey Vought  
Engineering Geologist

cc: R. Fisher (Tyree Brothers)

# NYSDEC SPILL REPORT FORM

<b>DEC REGION:</b> <u>2</u>	<b>SPILL NUMBER:</b> <u>0300164</u>
<b>SPILL NAME:</b> <u>ABANDONED SERVICE STATION</u>	<b>DEC LEAD:</b> <u>JBVOUGHT</u>
<b>CALLER NAME:</b> <u>ROLAND FISHER</u>	<b>NOTIFIER'S NAME:</b> _____
<b>CLR'S AGENCY:</b> <u>TYREE</u>	<b>NOTIFIER'S AGENCY:</b> _____
<b>CALLER'S PHONE:</b> <u>(631) 249-3150</u>	<b>NOTIFIER'S PHONE:</b> _____
<b>SPILL DATE:</b> <u>04/04/2003</u>	<b>SPILL TIME:</b> <u>12:00 pm</u>
<b>CALL RECEIVED DATE:</b> <u>04/04/2003</u>	<b>RECEIVED TIME:</b> <u>3:51 pm</u>

### SPILL LOCATION

<b>PLACE:</b> <u>ABANDONED SERVICE STATION</u>	<b>COUNTY:</b> <u>Bronx</u>
<b>STREET:</b> <u>1471 WEST FARM RD</u>	<b>TOWN/CITY:</b> <u>New York City</u>
	<b>COMMUNITY:</b> <u>BRONX</u>
<b>CONTACT:</b> <u>ROLAND FISHER</u>	<b>CONTACT PHONE:</b> <u>(631) 249-3150</u>
<b>SPILL CAUSE:</b> <u>Equipment Failure</u>	<b>SPILL REPORTED BY:</b> <u>Other</u>
<b>SPILL SOURCE:</b> <u>Gasoline Station</u>	<b>WATERBODY:</b> _____

**CALLER REMARKS:**

caller did tank removal and test results show soil contamination  
 caller believes line failed causing release

MATERIAL	CLASS	SPILLED	RECOVERED	RESOURCES AFFECTED
Gasoline	Petroleum	0.00 G	0.00 G	Soil,

### POTENTIAL SPILLERS

COMPANY	ADDRESS	CONTACT
ABANDONED SERVICE STATION	1471 W FARM RD BRONX NY	ROLAND FISHER (631) 249-3150

Tank Number	Tank Size	Test Method	Leak Rate	Gross Failure

**DEC REMARKS:**

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "VOUGHT"  
 DEC Sigona sent letter notification for contaminated soil investigation on April 4, 2003.

4/8/2003-Vought-Received message from Roland Fischer (Tyree - 631-249-3150x352). Vought returned call and left message to return call. Vought received another message and again returned call and spoke with Roland. 6 (550-gallon) UST's were removed. Contaminated soil found at dispenser island. Tyree will excavate contaminated soil and take endpoint samples. Tanks in vaulted concrete on top of bedrock. Lines to be excavated are 20' long. Sidewalls will be composited and two grab samples from bottom of trench. Tank closure report will be sent including site plan, analyticals and disposal manifests.

# NYSDEC SPILL REPORT FORM

DEC REGION: 2 SPILL NUMBER: 0300164  
 SPILL NAME: ABANDONED SERVICE STATION DEC LEAD: JBVOUGHT

4/24/2003-Vought-Received message from Roland on 4/14. Vought returned call on 4/24 and left message with Roland to return call with updates.

5/5/2003-Vought-Spoke with Roland and soil contamination found (30'x 20' excavation was performed, bottom was bedrock). One sample had xylene at 4000ppb. Roland will send tank closure report and spill closure report including site plan, disposal manifest and analyticals.

7/18/2003-Vought-Spoke with Roland Fisher and report is being sent to NYSDEC today.

9/8/2003-Vought-UST Closure Report-May 2003-Tyree Organization-Six (550-gallon) gasoline USTs were removed in 3/03. Groundwater not encountered in excavation but suspected at depth of 60' and flowing to the southwest. Bedrock at depth of 8' below grade. USTs were in a vault constructed by "direct pour of concrete onto the bedrock". Endpoint samples were collected from sidewalls and not collected from bottom due to bedrock. Soil analyticals show up to 3380ppb toluene(south wall), 70900ppb xylene(south wall) and 24000ppb napthalene(south wall). Tyree returned to site to perform additional soil removal under the former pump island area and removed 50 tons of soil. Seven subsequent soil endpoint samples were collected and soil analyticals showed two exceedances at 3050ppb xylene(west wall) and 3320ppb 1,3,5-trimethylbenzene(west wall). Spill closed by Vought as per Rommel due to 60' suspected depth to groundwater and excavation to bedrock (and hence no sensitive receptors). Spill closed by Vought.

PIN                      T & A                      COST CENTER

CLASS: B3              CLOSE DATE: 09/08/2003              MEETS STANDARDS: False

**New York State Department of Environmental Conservation**  
**Division of Public Affairs and Education, Region 2**  
47-40 21<sup>ST</sup> Street, Long Island City, NY 11101  
**Phone: (718) 482-4507 • FAX: (718) 482-6729**  
**Website: www.dec.state.ny.us**



Date: January 10, 2007

FOIL #-R2-07-112

Chris O'Leary/Impact Environmental  
631-269-8800  
Fax:631-269-1599

RE: 1493 & 1508 Boone Avenue & 1471, 1481 & 1501 West Farms Road, Bronx, NY

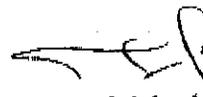
Dear Mr. O'Leary:

We are in receipt of your Foil request for the above referenced site. The Foil identification number assigned is R2-07-112.

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

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

Sincerely yours,



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

**Impact Environmental**  
Environmental Site Assessment

Appendix F  
City Government

# NEW YORK CITY DEPARTMENT OF ENVIRONMENTAL PROTECTION

## Application for Records, Article 6 - New York State Public Officers Law, Freedom of Information Law

Complete Part I of this form. Please refer to instruction sheet for assistance in completing this form. If responsive records are located, you will be notified and informed of the required payment. Advance payment is required in check or money order payable to the City of New York before documents will be released. Send the complete application to the Records Access Officer at NYC DEP, Bureau of Legal Affairs, 59-17 Junction Blvd., 19<sup>th</sup> Fl., Flushing, NY 11373 or fax to (718) 595-6543

**PART I. APPLICATION - Check Bureau(s) known or believed to have the record(s):**

- |  |   |   |   |
|--|---|---|---|
| <input type="checkbox"/> Executive                                     | <input checked="" type="checkbox"/> Asbestos                            | <input checked="" type="checkbox"/> Office of Environmental Planning and Assessment | <input type="checkbox"/> Water Records          |
| <input type="checkbox"/> General Counsel                               | <input checked="" type="checkbox"/> Hazardous Materials                 | <input type="checkbox"/> Bureau of Wastewater Treatment                             | <input type="checkbox"/> Sewer Records          |
| <input type="checkbox"/> Agency Chief Contracting Office               | <input type="checkbox"/> Air & Noise Board                              | <input type="checkbox"/> Sewer discharge violations                                 | <input type="checkbox"/> Bureau of Water Supply |
| <input type="checkbox"/> Bureau of Customer Services (Water Bills)     | <input checked="" type="checkbox"/> Environmental Control Board         | <input type="checkbox"/> Bureau of Water and Sewer Operations                       | <input type="checkbox"/> Water Quality          |
| <input checked="" type="checkbox"/> Bureau of Environmental Compliance | <input checked="" type="checkbox"/> Bureau of Environmental Engineering |   | <input type="checkbox"/> DEP Police             |

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

1471, 1481 & 1501 West Farms Road Bronx block 03013, lots 12, 46 & 31  
 any information regarding storage of toxic or hazardous materials, inspections of the property, violations, sampling performed on the property, permits, etc.

Name: Chris O'Leary Phone: 631-269-8800 E-Mail: \_\_\_\_\_  
 Firm: Impact Environmental  
 Address: 170 Keyland Court Bohemia, New York  
 Signature: \_\_\_\_\_ Date: 1/01/07

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

• **APPROVED** • **APPROVED IN PART** - - To arrange for access to the records, please contact:  
 \_\_\_\_\_ (Department Representative) \_\_\_\_\_ (Bureau) \_\_\_\_\_ (Phone No.)  
 Number of Pages: \_\_\_\_\_ x\$.25 per page = Cost: \_\_\_\_\_

• **DENIED** • **DENIED IN PART** - - for reason(s) checked: References are to Sec. 87 of the Public Officers Law.  
 Exempt: State/Fed. Statute (2(a))  Exempt: Law Enforcement (2(e))  
 Invasion of personal privacy (2(b))  Inter/Intra-agency material (2(g))  
 Competitive position injury (2(d))  (Other) \_\_\_\_\_

Brief Description of records not subject to disclosure \_\_\_\_\_

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

**UNAVAILABLE** - - for reason(s) checked:  
 • Not described in sufficient detail • Not maintained by this Department  
 • After search, no records responsive to request located  
 • (Other) \_\_\_\_\_

LOG NO.: \_\_\_\_\_

\_\_\_\_\_  
 (Department Representative) (Bureau) (Date)  
 ••• Fee Waived ••• Check/M.O. received ••• Check/M.O. requested DOC# 050303

FIRE DEPARTMENT • CITY OF NEW YORK  
BUREAU OF FIRE PREVENTION  
Room 439, 250 Livingston Street  
Brooklyn, N.Y. 11201-5884

**RECORD SEARCH REQUEST**

MAIL TO: Chris O'Leary

Impact Environmental Consulting, Inc.  
170 Keyland Court  
Bohemia, New York 11716

Search No. \_\_\_\_\_

The undersigned requests the following information re: Premises

1471, 1481 & 1501 West Farms Road  
Bronx New York

Bronx

CITY

STATE

ZIP CODE

BOROUGH

- Item 1. Record of existing Fire Department Violations ..... FEE: \$10.00
- Item 2. Record of Permit for Chemical Storage (gasoline, fuel oil, diesel fuel, kerosene, etc.) ... FEE: \$10.00
- Item 3. Tax Lien\* ..... FEE: \$10.00
- Item 4. Building Record Search ..... FEE: \$10.00
- Item 5. Other ..... FEE: \$10.00

TOTAL FEE: \$ 10.00

Signed \_\_\_\_\_

Date 1/01/07

**DO NOT WRITE BELOW THIS LINE**

Gentlemen:

In reply to your request concerning the premises mentioned above, please be advised that as of 9 A.M.,

\_\_\_\_\_ our records show the following:

Searched by: \_\_\_\_\_  
Chief of Fire Prevention

VIOLATIONS RECORDED ABOVE ARE ONLY THOSE WHICH ARE A MATTER OF RECORD IN HEADQUARTERS OF THE BUREAU OF FIRE PREVENTION, AND MAY NOT INCLUDE VIOLATIONS ISSUED BY LOCAL UNITS.

Lien information must be specifically requested in order to be certified and the appropriate fee will be charged accordingly.

# NEW YORK CITY DEPARTMENT OF ENVIRONMENTAL PROTECTION

*Application for Records, Article 6 - New York State Public Officers Law, Freedom of Information Law*

Complete Part I of this form. Please refer to instruction sheet for assistance in completing this form. If responsive records are located, you will be notified and informed of the required payment. Advance payment is required in check or money order payable to the City of New York before documents will be released. Send the complete application to the Records Access Officer at NYC DEP, Bureau of Legal Affairs, 59-17 Junction Blvd., 19<sup>th</sup> Fl., Flushing, NY 11373 or fax to (718) 595-6543

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| <input type="checkbox"/> Contracting Office                            | <input checked="" type="checkbox"/> Environmental Control Board         | <input type="checkbox"/> Bureau of Water and Sewer Operations                       | <input type="checkbox"/> Water Quality          |
| <input type="checkbox"/> Bureau of Customer Services (Water Bills)     | <input checked="" type="checkbox"/> Bureau of Environmental Engineering |   | <input type="checkbox"/> DEP Police             |
| <input checked="" type="checkbox"/> Bureau of Environmental Compliance |   |   | <input type="checkbox"/> _____                  |
|  |   |   | <input type="checkbox"/> _____                  |

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

1493 & 1508 Boone Avenue                      Bronx                      \_\_\_\_\_ block 03013, lots 29 & 37  
 any information regarding storage of toxic or hazardous materials, inspections of the property, violations, sampling performed on the property, permits, etc.

Name: Chris O'Leary                      Phone: 631-269-8800                      E-Mail: \_\_\_\_\_  
 Firm: Impact Environmental  
 Address: 170 Keyland Court Bohemia, New York  
 Signature: \_\_\_\_\_                      Date: 1/10/07

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 \_\_\_\_\_ (Department Representative)                      \_\_\_\_\_ (Bureau)                      \_\_\_\_\_ (Phone No.)  
 Number of Pages: \_\_\_\_\_ x\$.25 per page = Cost: \_\_\_\_\_

• **DENIED** • **DENIED IN PART** - - for reason(s) checked: References are to Sec. 87 of the Public Officers Law.  
 Exempt: State/Fed. Statute (2(a))                       Exempt: Law Enforcement (2(e))  
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Brief Description of records not subject to disclosure \_\_\_\_\_

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 • Not described in sufficient detail                      • Not maintained by this Department  
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LOG NO.: \_\_\_\_\_

\_\_\_\_\_  
 (Department Representative)                      (Bureau)                      (Date)

••• Fee Waived                      ••• Check/M.O. received                      ••• Check/M.O. requested                      DOC# 050303

FIRE DEPARTMENT • CITY OF NEW YORK  
BUREAU OF FIRE PREVENTION  
Room 439, 250 Livingston Street  
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Bronx

New York

Bronx

CITY

STATE

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- Item 5. Other ..... FEE: \$10.00

TOTAL FEE: \$ 10.00

Signed \_\_\_\_\_

Date 1/10/07

**DO NOT WRITE BELOW THIS LINE**

Gentlemen:

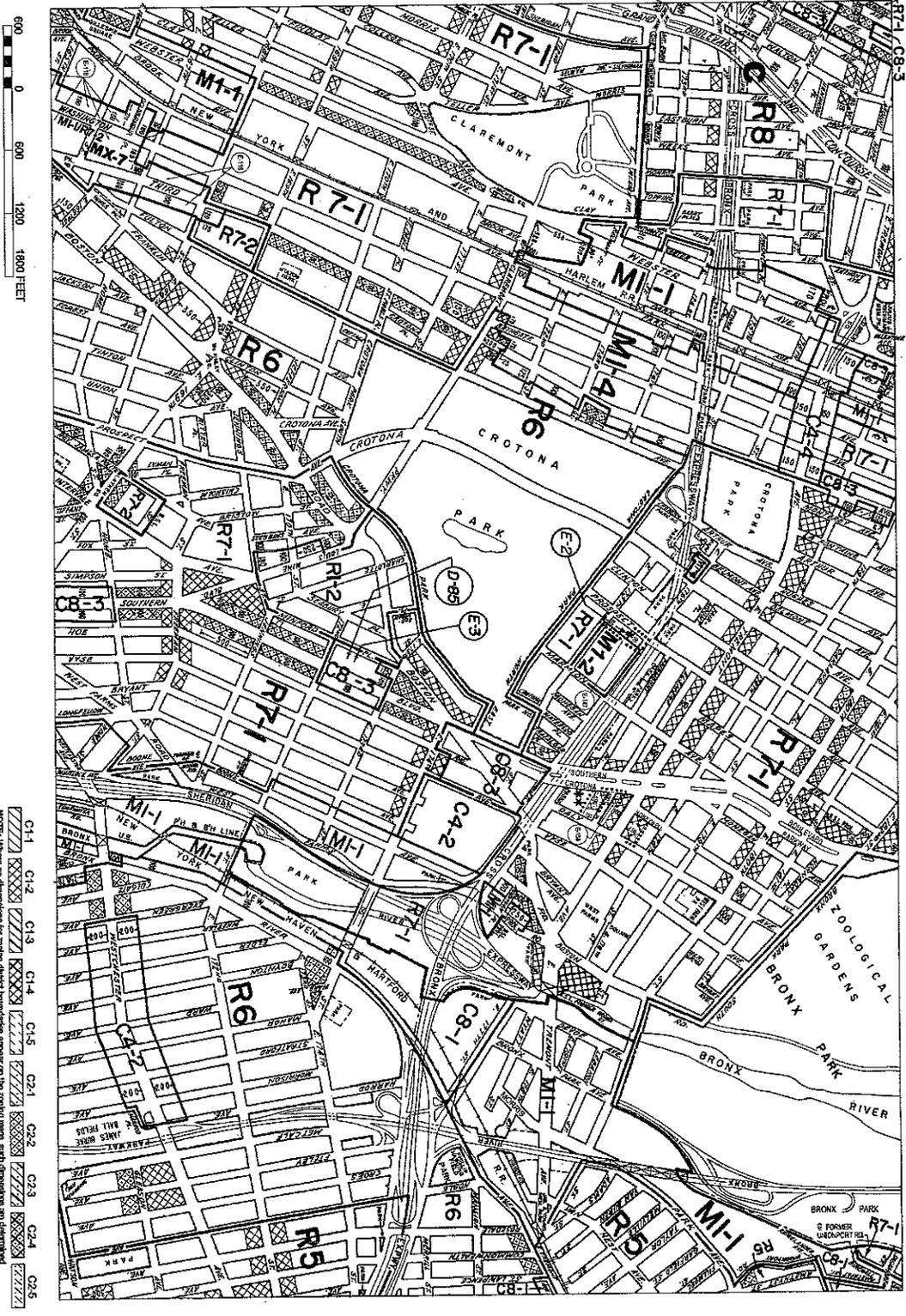
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C1-1 C1-2 C1-3 C1-4 C1-5 C2-1 C2-2 C2-3 C2-4 C2-5  
 C3-1 C3-2 C3-3 C3-4 C3-5 C4-1 C4-2 C4-3 C4-4 C4-5  
 C5-1 C5-2 C5-3 C5-4 C5-5 C6-1 C6-2 C6-3 C6-4 C6-5  
 C7-1 C7-2 C7-3 C7-4 C7-5 C8-1 C8-2 C8-3 C8-4 C8-5  
 C9-1 C9-2 C9-3 C9-4 C9-5 C10-1 C10-2 C10-3 C10-4 C10-5  
 C11-1 C11-2 C11-3 C11-4 C11-5 C12-1 C12-2 C12-3 C12-4 C12-5  
 C13-1 C13-2 C13-3 C13-4 C13-5 C14-1 C14-2 C14-3 C14-4 C14-5  
 C15-1 C15-2 C15-3 C15-4 C15-5 C16-1 C16-2 C16-3 C16-4 C16-5  
 C17-1 C17-2 C17-3 C17-4 C17-5 C18-1 C18-2 C18-3 C18-4 C18-5  
 C19-1 C19-2 C19-3 C19-4 C19-5 C20-1 C20-2 C20-3 C20-4 C20-5  
 C21-1 C21-2 C21-3 C21-4 C21-5 C22-1 C22-2 C22-3 C22-4 C22-5  
 C23-1 C23-2 C23-3 C23-4 C23-5 C24-1 C24-2 C24-3 C24-4 C24-5  
 C25-1 C25-2 C25-3 C25-4 C25-5

NOTE: Where no dimensions for zoning district boundaries appear on this zoning map, such dimensions are determined by the City of New York.

## ZONING MAP

THE NEW YORK CITY PLANNING COMMISSION

**Major Zoning Classifications:**

The number(s) and/or letter(s) that follows on R, C or M District designation indicates use, bulk and other controls as described in the text of the Zoning Resolution.

- R - RESIDENTIAL DISTRICT
- C - COMMERCIAL DISTRICT
- M - MANUFACTURING DISTRICT

..... AREAS REZONED

EFFECTIVE DATE(S) OF REZONING:

- \*\* 2-01-2006 C 030461 ZMX
- \* 10-11-2005 C 030370 ZMX
- 9-28-2005 C 040326 ZMX

**SPECIAL PURPOSE DISTRICT**  
 The area(s) within the shaded district as described in the text of the Zoning Resolution.

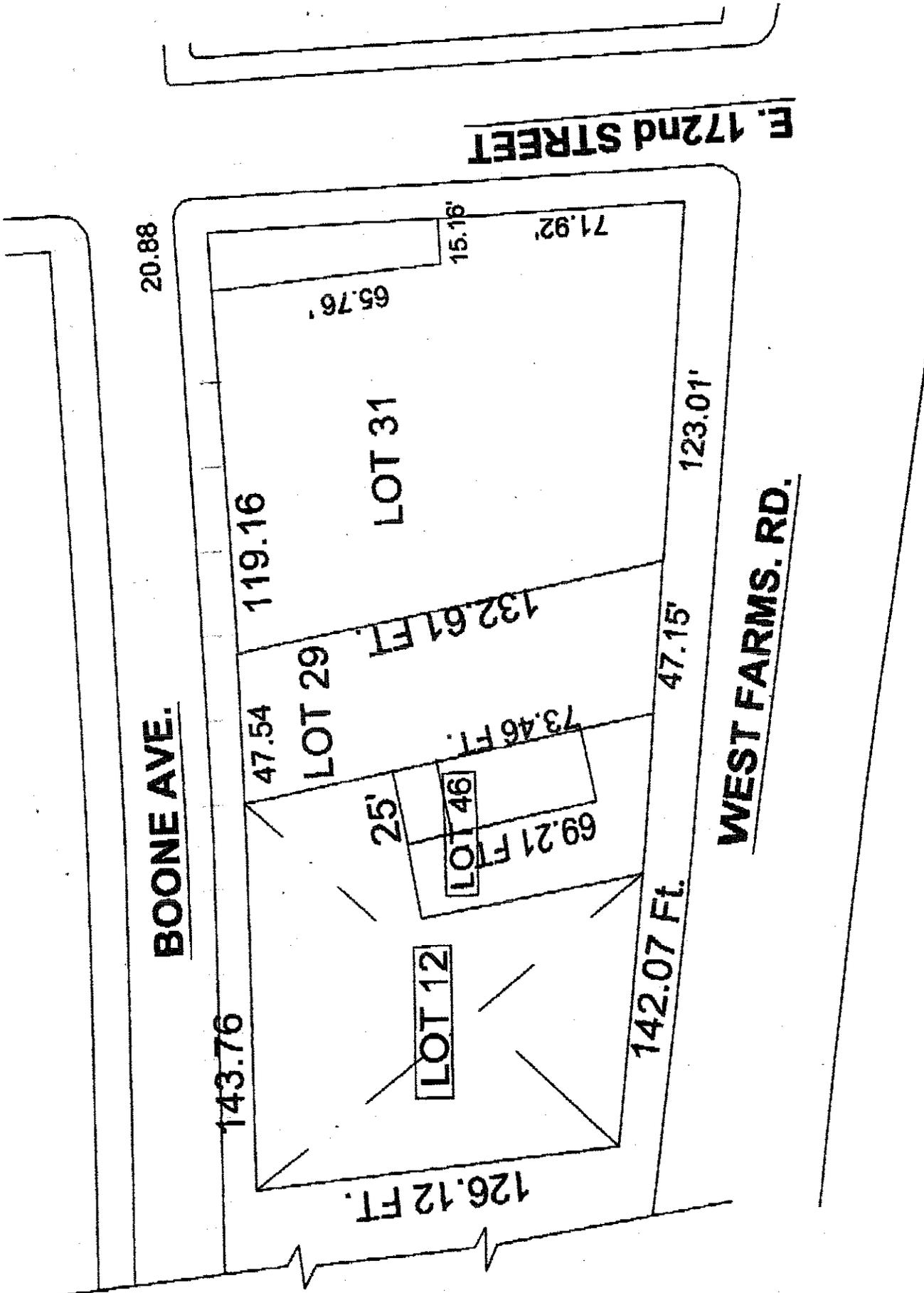
- D - RESTRICTIVE DECLARATION
- E - CITY ENVIRONMENTAL QUALITY REVIEW DECLARATION

**MAP KEY**

3a	3c	4a
3b	3d	4b
6a	6c	7a

© Copyright by the City of New York

NOTE: Zoning information on this map is subject to change. For the most up-to-date zoning information for the map district, please contact the Department of City Planning, 115 West 42nd Street, New York, NY 10018-3291, or contact the Zoning Information Desk at (212) 230-3391.



**BOONE AVE.**

**WEST FARMS. RD.**

**E. 172nd STREET**

20.88

143.76

126.12 FT.

142.07 Ft.

47.15'

123.01'

119.16

47.54

LOT 29

25'

LOT 12

LOT 46

132.61 FT.

73.46 FT.

69.21 FT.

LOT 31

65.76'

15.16'

71.92'

# Property Detail Report

For Property Located At

RealQuest.com

**1471 W FARMS RD, BRONX NY 10460-6001**

### Owner Information:

Owner Name: 1501 WEST FARMS CORP  
Mailing Address: 1493 W FARMS RD, BRONX NY 10460-6001 C001  
Phone Number: Vesting Codes: // CO

### Location Information:

Legal Description:  
County: BRONX, NY APN: 03013-0012  
Census Tract / Block: 157.00 / 2 Alternate APN: 0301300012  
Township-Range-Sect:  
Legal Book/Page: Map Reference: 11-07-18 / 11-07-18  
Legal Lot: 12 Tract #:  
Legal Block: 3013 School District:  
Market Area: Munic/Township:  
Neighbor Code:

### Owner Transfer Information:

Recording/Sale Date: / Deed Type:  
Sale Price: 1st Mtg Document #:  
Document #:

### Last Market Sale Information:

Recording/Sale Date: 04/28/2004 / 03/18/2004 1st Mtg Amount/Type: /  
Sale Price: \$450,000 1st Mtg Int. Rate/Type: /  
Sale Type: 1st Mtg Document #: /  
Document #: 263595 2nd Mtg Amount/Type: /  
Deed Type: DEED (REG) 2nd Mtg Int. Rate/Type: /  
Transfer Document #: Price Per SqFt: \$375.00  
New Construction: Multi/Split Sale:  
Title Company:  
Lender:

Seller Name: EVANS VERONICA

### Prior Sale Information:

Prior Rec/Sale Date: 07/22/1991 / 07/19/1991 Prior Lender:  
Prior Sale Price: Prior 1st Mtg Amt/Type: /  
Prior Doc Number: 1053-368 Prior 1st Mtg Rate/Type: /  
Prior Deed Type: DEED (REG)

### Property Characteristics:

Gross Area: 1,200	Parking Type:	Construction:
Living Area: 1,200	Garage Area:	Heat Type:
Tot Adj Area:	Garage Capacity:	Exterior wall:
Above Grade:	Parking Spaces:	Porch Type:
Total Rooms:	Basement Area:	Patio Type:
Bedrooms:	Finish Bsmnt Area:	Pool:
Bath(F/H): /	Basement Type:	Air Cond:
Year Built / Eff: / 1964	Roof Type:	Style:
Fireplace: /	Foundation:	Quality:
# of Stories: 1.00	Roof Material:	Condition:
Other Improvements:		

### Site Information:

Zoning: M1-1	Acres: 0.27	County Use: GAS STN W/LUB SHOP
Flood Zone: C	Lot Area: 11,551	State Use:
Flood Panel: 3604970016B	Lot Width/Depth: 91 x 126	Site Influence:
Flood Panel Date: 11/16/1983	Res/Comm Units: 1 / 1	Sewer Type:
Land Use: SERVICE STATION		Water Type:

### Tax Information:

Total Value: \$77,535	Assessed Year: 2006	Property Tax: \$8,529.80
Land Value: \$36,720	Improve %: 053%	Tax Area: 4
Improvement Value: \$40,815	Tax Year: 2006	Tax Exemption:
Total Taxable Value: \$77,535		



**New York City Department of Finance  
Office of the City Register**

**HELP**

[Click help for additional instructions]  
Selecting a help option will open new window

<b>Current Search Criteria:</b>
<b>Borough:</b> BRONX
<b>Block:</b> 3013
<b>Lot:</b> 12
<b>Date Range:</b> To Current Date
<b>Document Class:</b> All Document Classes

# Search Results By Parcel Identifier

Records 1 - 2 << previous next >> Max Rows  [Search Options] [New BBL Search] [Edit Current Search] [Print Index]

View	Reel/Pg/File	CRFN	Lot	Partial	Recorded / Document Filed Type	Pages	Party1	Party2	Party 3/ Other	More Party 1/2 Names	Corrected/ Remarks	Doc Amount
 		2004000263595	12	ENTIRE LOT	4/28/2004 4:45:26 PM	6	TRALONGO, ROSEMARIE	1501 WEST FARMS CORP.		✓		450,000
 	1053/368		12	ENTIRE LOT	7/22/1991	2	ROMANO, ANGELINA	ROMANO, LOUIS		✓		0



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

NYC Department of Buildings  
Property Profile Overview

1471 WEST FARMS ROAD  
WEST FARMS ROAD 1471 - 1471  
BOONE AVENUE NO NUMBER

BRONX 10460  
Health Area : 2120  
Census Tract : 157  
Community Board : 203  
Buildings on Lot : 1

BIN# 2010946  
Tax Block : 3013  
Tax Lot : 12  
Condo : NO  
Vacant : NO

[View All Addresses...](#) [Browse Block](#)

[View Certificates of Occupancy](#)

DOB Special Place Name:

DOB Building Remarks:

Landmark Status:

Local Law: NO

SRO Restricted: NO

UB Restricted: NO

Little 'E' Restricted: N/A

Legal Adult Use: NO

Historic Block: 3013

Additional BINs for Building: NONE

Special Status: N/A

Loft Law: NO

TA Restricted: NO

DOB District: N/A

Grandfathered Sign: NO

City Owned: NO

Historic Lots: 12

Department of Finance Occupancy Code:

G4-GARAGE/GAS STAT'N

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	0	0
Violations-DOB	0	0
Violations-ECB	0	0
Jobs/Filings	1	
PRA / ARA Jobs	0	
Total Jobs	1	
Actions	9	

**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](#)

OR Enter Action Type:

OR Select from List:

Select...

AND

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



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

NYC Department of Buildings  
**Actions**

Page: 1

BIN: 2010946 Block: 3013 Lot: 12

Premises: 1471 WEST FARMS ROAD BRONX

NUMBER		TYPE	FILE DATE
ALT 288-62		ALTERATION	12/14/2001
CO 37876-64(T)(EXP9-3-64)	<a href="#">(PDF)</a>	CERTIFICATE OF OCCUPANCY	00/00/1964
CO 38631-64(T)(EXP1-20-65)	<a href="#">(PDF)</a>	CERTIFICATE OF OCCUPANCY	00/00/1964
CO 40277-65	<a href="#">(PDF)</a>	CERTIFICATE OF OCCUPANCY	00/00/1965
CO 060313	<a href="#">(PDF)</a>	CERTIFICATE OF OCCUPANCY	03/05/1991
ES 53-65		ELECTRIC SIGN	00/00/1965
MIS 145-64		MISCELLANEOUS	00/00/1964
NB 253-62		NEW BUILDING	00/00/1962
SR 357-64LM		SPECIAL REPORT	00/00/1964

Enter Action Type:  Or Select from List:

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

DEPARTMENT OF BUILDINGS

BOROUGH OF THE BRONX, THE CITY OF NEW YORK

Date JUN 2 1964 Permit No. 37876

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 ~~three-story~~ building--premises located at

1471 West Farms Road Block 3013 Lot 12 & 51

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

BEGINNING at a point on the ~~west~~ side of West Farms Road distant 195.53 feet south from the corner formed by the intersection of East 172nd Street and West Farms Road running thence south 116.80 feet; thence west 126.32 feet; thence north 143.76 feet; thence east 57.51 feet; running thence south 25.00 feet; thence east 69.21 feet;

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

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

N.B. No. 253-62 Construction classification-- Non-fireproof  
Occupancy classification-- Commercial. Height one stories, 15'-4" Zoning District  
Date of completion-- Located in M-1

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 ..... not required.

STORY	LIVE LOADS Lbs. per Sq. Ft.	PERSONS ACCOMMODATED	USE
First	On Ground	2	Motor Vehicle Repair including Body Repairs (Use Group 17B). Parking for twenty-four (24) Motor Vehicles accessory to Motor Vehicle Repair Shop.

THIS CERTIFICATE OF OCCUPANCY EXPIRES SEPTEMBER 3, 1964.

**SUPERSEDED**  
BY G. O. 38631-64 T.

DEPARTMENT OF BUILDINGS

BOROUGH OF THE CITY OF NEW YORK (continued)

CERTIFICATE OF OCCUPANCY

NO CHANGE OF USE OR OCCUPANCY... BE MADE UNLESS FIRST APPROVED BY THE BOROUGH SUPERINTENDENT

PERMISSIBLE USE AND OCCUPANCY

Use of building for... as shown on... and in the following cases...

Table with columns for 'PERMITTED USE', 'PERMITTED OCCUPANCY', and 'REMARKS'. Includes handwritten entries.

RECEIVED  
MAY 10 1934

# DEPARTMENT OF BUILDINGS

BOROUGH OF **THE BRONX**, THE CITY OF NEW YORK

Date **Oct 20 1964**

**TEMPORARY**

No. **38631**

## 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. **Temp. 37876-64**

THIS CERTIFIES that the new ~~brick~~ ~~concrete~~ building—premises located at **Block 3013 Lot 12 & 51**  
**1471 West Farms Road**

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

BEGINNING at a point on the **west** side of **West Farms Road**  
 distant **195.53** feet **south** from the corner formed by the intersection of  
**East 172nd Street** and **West Farms Road**  
 running thence **south 116.80** feet; thence **west 126.32** feet;  
 thence **north 143.76** feet; thence **east 57.51** feet;  
 running thence **south 25.00** feet; thence **east 69.21** feet;

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N.B. ~~Permit~~ No.— **253-62** Construction classification— **Non-fireproof**  
 Occupancy classification— **Commercial** Height **one** stories, **15'-4"**  
 Date of completion— Located in **M1-1** Zoning District.

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:  
 and The City Planning Commission: (Calendar numbers to be inserted here)

### PERMISSIBLE USE AND OCCUPANCY

Off-Street Parking Spaces **parking requirements waived.**  
 Off-Street Loading Berths **loading berth not required.**

STORY	LIVE LOADS Lbs. per Sq. Ft.	PERSONS ACCOMMODATED	USE
First	On Ground	2	Motor Vehicle Repair Shop (Use Group 16B and 17B). Parking for twenty-four (24) Motor Vehicles accessory to Motor Vehicle Repair Shop.

THIS CERTIFICATE OF OCCUPANCY EXPIRES JANUARY 20, 1965.

**SUPERSEDED**  
 BY C. O. 40222-65

*[Signature]*  
 Borough Superintendent



DEPARTMENT OF BUILDINGS

BOROUGH OF WESTCHESTER, THE CITY OF NEW YORK

Date 6/14/65

No. 40277

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. 38631-64 Temp.

THIS CERTIFIES that the new ~~year~~ ~~owner~~ building premises located at

1471 West Farms Road Block 3013 Lot 12 & 51

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

BEGINNING at a point on the west side of West Farms Road  
 distant 195.53 feet south from the corner formed by the intersection of  
East 172nd Street and West Farms Road  
 running thence south 116.80 feet; thence west 126.32 feet;  
 thence south 143.76 feet; thence east 57.51 feet;  
 running thence south 25.00 feet; thence east 69.21 feet;

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

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

N.B. ~~code~~ No. 253-62 Construction classification— Non-fireproof  
 Occupancy classification— Commercial . Height one stories, 15'-4" ~~max~~  
 Date of completion— 6/14/65 . Located in M-1 Zoning District.  
 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)  
 and The City Planning Commission:

PERMISSIBLE USE AND OCCUPANCY

Off-Street Parking Spaces Parking requirement waived, Section 44-23, Zoning Resolution.  
 Off-Street Loading Berths Loading, Berth not required, Section 44-52, Zoning Resolution.

STORY	LIVE LOADS Lbs. per Sq. Ft.	PERSONS ACCOMMODATED	USE
First	On Ground	2	Automotive Service Station (Use Group 19B) and Motor Vehicle Repair Shop (Use Group 16B). Permitted Accessory Parking for Sixteen (16) Motor Vehicles for Motor Vehicle Repair Shop only.

PERFORMANCE STANDARDS FOR M1 DISTRICT TO BE COMPLIED WITH.

Fire Department approval of Gasoline Tank installation received.

8,000

STORY DRAINAGE (CODES) (CODES-201) INSURANCE INTRA CITY (CODES) (CODES-201) STORMS OF COASTAL BENCH

*William Thompson*  
 Borough Superintendent



THE CITY OF NEW YORK

# DEPARTMENT OF BUILDINGS CERTIFICATE OF OCCUPANCY

BOROUGH BRONX

DATE: MAR 5 - 1991 NO. 60313

This certificate supersedes C.O. No. 40277 /65

ZONING DISTRICT M1-1

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

1471 WEST FARMS ROAD

Block 3013 Lot 12

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 CLASS HABITABLE ROOMS	ZONING USE GROUP	BUILDING CODE OCCUPANCY GROUP	DESCRIPTION OF USE
FIRST	120	2			B3, B6	COMM'1	AUTOMOTIVE SERVICE STATION.

THIS CERTIFICATE OF OCCUPANCY MUST BE POSTED  
 WITHIN THE BUILDING IN ACCORDANCE WITH THE RULES  
 OF THE DEPARTMENT PROMULGATED MARCH 31ST, 1987.

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.

*Ernest W. Prochaska*  
 BOROUGHS SUPERINTENDENT

*Rudolf J. Rinaldi*  
 COMMISSIONER

ORIGINAL  OFFICE COPY DEPARTMENT OF BUILDINGS  COPY

OFFICE COPY ONLY

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

BEGINNING at a point on the WEST side of WEST FARMS ROAD  
 distant 220.91' WEST FARMS RD SOUTH feet from the corner formed by the intersection of  
 and EAST 172nd STREET  
 running thence WEST 71 feet; thence NORTH 50 feet;  
 thence WEST 51.44 feet; thence SOUTH 143.76 feet;  
 thence EAST 126.32 feet; thence NORTH 7.09 feet;  
 thence NORTH 84.35 feet;  
 to the point or place of beginning.

ALT. No. 200083934 DATE OF COMPLETION 2-5-91 CONSTRUCTION CLASSIFICATION NFS  
 BUILDING OCCUPANCY GROUP CLASSIFICATION E HEIGHT 15' STORIES, 1 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:

BOARD OF STANDARDS AND APPEALS CAL. NO. \_\_\_\_\_  
 CITY PLANNING COMMISSION CAL. NO. \_\_\_\_\_  
 OTHERS:

# Property Detail Report

For Property Located At

RealQuest<sup>®</sup>.com

1481 W FARMS RD, BRONX NY 10460-6001

## Owner Information:

Owner Name: NORTON PATRICIA  
Mailing Address: 117 STORER AVE, NEW ROCHELLE NY 10801-3116 C049  
Phone Number: Vesting Codes: //

## Location Information:

Legal Description:  
County: BRONX, NY APN: 03013-0046  
Census Tract / Block: 157.00 / 2 Alternate APN: 0301300046  
Township-Range-Sect:  
Legal Book/Page: Map Reference: 11-07-18 / 11-07-18  
Legal Lot: 46 Tract #:  
Legal Block: 3013 School District:  
Market Area: Munic/Township:  
Neighbor Code:

## Owner Transfer Information:

Recording/Sale Date: / Deed Type:  
Sale Price: 1st Mtg Document #:  
Document #:

## Last Market Sale Information:

Recording/Sale Date: 07/03/2004 / 05/19/2004 1st Mtg Amount/Type: /  
Sale Price: \$350,000 1st Mtg Int. Rate/Type: /  
Sale Type: 1st Mtg Document #: /  
Document #: 372174 2nd Mtg Amount/Type: /  
Deed Type: DEED (REG) 2nd Mtg Int. Rate/Type: /  
Transfer Document #: Price Per SqFt: \$145.83  
New Construction: Multi/Split Sale:  
Title Company:  
Lender:

Seller Name: UBERTINI JO-ANN

## Prior Sale Information:

Prior Rec/Sale Date: 07/22/1991 / 07/19/1991 Prior Lender:  
Prior Sale Price: Prior 1st Mtg Amt/Type: /  
Prior Doc Number: 1053-368 Prior 1st Mtg Rate/Type: /  
Prior Deed Type: DEED (REG)

## Property Characteristics:

Gross Area: 2,400	Parking Type:	Construction:
Living Area: 2,400	Garage Area:	Heat Type:
Tot Adj Area:	Garage Capacity:	Exterior wall:
Above Grade:	Parking Spaces:	Porch Type:
Total Rooms:	Basement Area:	Patio Type:
Bedrooms:	Finish Bsmnt Area:	Pool:
Bath(F/H): /	Basement Type:	Air Cond:
Year Built / Eff: / 1910	Roof Type:	Style:
Fireplace: /	Foundation:	Quality:
# of Stories: 2.00	Roof Material:	Condition:

Other Improvements:

## Site Information:

Zoning: M1-1	Acres: 0.09	County Use: 2-FMLY FRAME
Flood Zone: C	Lot Area: 4,036	State Use:
Flood Panel: 3604970016B	Lot Width/Depth: 51 x 80	Site Influence:
Flood Panel Date: 11/16/1983	Res/Comm Units: 2 /	Sewer Type:
Land Use: DUPLEX		Water Type:

## Tax Information:

Total Value: \$10,353	Assessed Year: 2006	Property Tax: \$1,729.08
Land Value: \$1,127	Improve %: 089%	Tax Area: 1
Improvement Value: \$9,226	Tax Year: 2006	Tax Exemption:
Total Taxable Value: \$10,353		

3

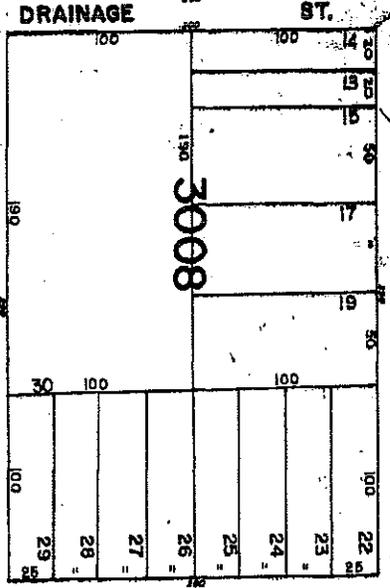
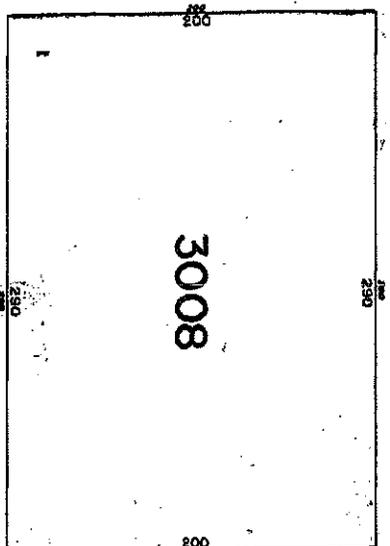
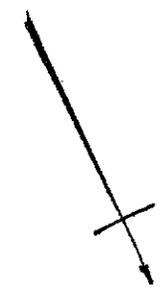
SEE PAGE 11 **BL** LOT 477 NEW

DATE

LONGFELLOW ST 3008 AVE 13 14

SCRATCH

02-12-03



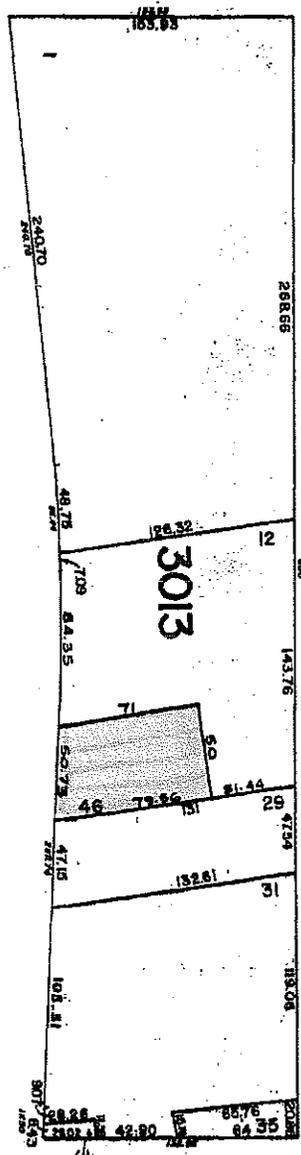
172<sup>ND</sup> ST

SEE PAGE 17

BOONE AVE

SEE PAGE 19

JENNINGS



W

WEST FARMS RD.

18

SHERIDAN

BROOK RIVER EXP

EXPRESSWAY

18

FEB 22 2008

**New York City Department of Finance  
Office of the City Register**

**HELP**

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Selecting a help option will open new window

<b>Current Search Criteria:</b>
<b>Borough:</b> BRONX
<b>Block:</b> 3013
<b>Lot:</b> 46
<b>Date Range:</b> To Current Date
<b>Document Class:</b> All Document Classes

# Search Results By Parcel Identifier

Records 1 - 5 << previous next >> Max Rows  [Search Options] [New BBL Search] [Edit Current Search] [\[Print Index\]](#)

View	Reel/Pg/File	CRFN	Lot	Partial	Recorded / Filed	Document Type	Pages	Party1	Party2	Party 3/ Other	More Party 1/2 Names	Corrected/ Remarks	Doc Amount
 		2006000698119	46	ENTIRE LOT	12/21/2006 11:23:09 AM	MORTGAGE	11	NORTON, PATRICIA	MERS				77,250
 		2006000698115	46	ENTIRE LOT	12/21/2006 11:22:57 AM	MORTGAGE	13	NORTON, PATRICIA	MERS				386,250
 		2004000430681	46	ENTIRE LOT	7/12/2004 10:16:54 AM	MORTGAGE	23	NORTON, PATRICIA	AMERIQUEST MORTGAGE COMPANY				280,000
 		2004000372174	46	ENTIRE LOT	7/3/2004 10:07:24 AM	DEED	3	UBERTINI, JO-ANN	NORTON, PATRICIA				350,000
 	1053/368		46	ENTIRE LOT	7/22/1991	DEED	2	ROMANO, ANGELINA	ROMANO, LOUIS		✓		0

[Search Options](#)

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NYC Department of Buildings  
Property Profile Overview

1481 WEST FARMS ROAD  
WEST FARMS ROAD 1481 - 1481

BRONX 10460  
Health Area : 2120  
Census Tract : 157  
Community Board : 203  
Buildings on Lot : 1

BIN# 2010947  
Tax Block : 3013  
Tax Lot : 46  
Condo : NO  
Vacant : NO

[View All Addresses...](#) [Browse Block](#)

[View Certificates of Occupancy](#)

DOB Special Place Name:

DOB Building Remarks:

Landmark Status:

Local Law: NO

SRO Restricted: NO

UB Restricted: NO

Little 'E' Restricted: N/A

Legal Adult Use: NO

Historic Block: 3013

Additional BINs for Building: NONE

Special Status: N/A

Loft Law: NO

TA Restricted: NO

DOB District: N/A

Grandfathered Sign: NO

City Owned: NO

Historic Lots: 46

Department of Finance Occupancy Code:

B2-2 FAMILY DWELLING

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	0	0
Violations-DOB	0	0
Violations-ECB	0	0
Jobs/Filings	2	
PRA / ARA Jobs	0	
Total Jobs	2	
Actions	3	

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

OR Enter Action Type:

OR Select from List:

Select...

AND

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.

THE CITY OF NEW YORK

# DEPARTMENT OF BUILDINGS CERTIFICATE OF OCCUPANCY

BOROUGH BRONX

DATE: MAR 5 - 1991 NO. 60314

ZONING DISTRICT M-1

This certificate supersedes C.O. No. \_\_\_\_\_  
 THIS CERTIFIES that the ~~new~~ ~~altered~~ - existing - building - premises located at  
 1481 WEST FARMS ROAD Block 3013 Lot 46  
 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	100				2B		STORAGE, BOILER.
FIRST	40		1	3	2	RES	ONE (1) APARTMENT
SECOND	40		1	3	2	RES	ONE (1) APARTMENT
** NOTE ** THIS IS A TWO FAMILY DWELLING AND OCCUPANCY BY MORE THAN TWO FAMILIES IS UNLAWFUL.							

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.

*Ernest W. Probst*  
 BOROUGH SUPERINTENDENT

*Rudolph J. Pincus*  
 COMMISSIONER

ORIGINAL  OFFICE COPY - DEPARTMENT OF BUILDINGS  COPY  
**OFFICE COPY ONLY**

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

BEGINNING at a point on the WEST side of WEST FARMS ROAD  
distant 170.16 EAST 172nd SOUTH feet from the corner formed by the intersection of  
and WEST FARMS RD  
running thence SOUTH 50.74 feet; thence WEST 71.00 feet;  
thence NORTH 50.00 feet; thence EAST 79.00 feet;  
thence \_\_\_\_\_ feet; thence \_\_\_\_\_ feet;  
thence \_\_\_\_\_ feet; thence \_\_\_\_\_ feet;  
to the point or place of beginning.

XXX or ALT. No. 200083934 DATE OF COMPLETION 2-5-91 CONSTRUCTION CLASSIFICATION NFS  
BUILDING OCCUPANCY GROUP CLASSIFICATION J3 HEIGHT 25' STORIES, 2 FEET

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

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

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: \_\_\_\_\_

# Property Detail Report

For Property Located At

RealQuest<sup>®</sup>.com

**1493 BOONE AVE, BRONX NY 10460-5950**

### Owner Information:

Owner Name: NORTON PATRICIA  
Mailing Address: 1493 BOONE AVE, BRONX NY 10460-5950 C011  
Phone Number: Vesting Codes: //

### Location Information:

Legal Description:  
County: BRONX, NY APN: 03013-0029  
Census Tract / Block: 157.00 / 2. Alternate APN: 0301300029  
Township-Range-Sect:  
Legal Book/Page: Map Reference: 11-07-18 / 11-07-18  
Legal Lot: 29 Tract #:  
Legal Block: 3013 School District:  
Market Area: Munic/Township:  
Neighbor Code:

### Owner Transfer Information:

Recording/Sale Date: / Deed Type:  
Sale Price: 1st Mtg Document #:  
Document #:

### Last Market Sale Information:

Recording/Sale Date: / 1st Mtg Amount/Type: /  
Sale Price: 1st Mtg Int. Rate/Type: /  
Sale Type: 1st Mtg Document #: /  
Document #: 2nd Mtg Amount/Type: /  
Deed Type: 2nd Mtg Int. Rate/Type: /  
Transfer Document #: Price Per SqFt:  
New Construction: Multi/Split Sale:  
Title Company:  
Lender:  
Seller Name:

### Prior Sale Information:

Prior Rec/Sale Date: / Prior Lender:  
Prior Sale Price: Prior 1st Mtg Amt/Type: /  
Prior Doc Number: Prior 1st Mtg Rate/Type: /  
Prior Deed Type:

### Property Characteristics:

Gross Area: 6,472	Parking Type:	Construction:
Living Area: 6,472	Garage Area:	Heat Type:
Tot Adj Area:	Garage Capacity:	Exterior wall:
Above Grade:	Parking Spaces:	Porch Type:
Total Rooms:	Basement Area:	Patio Type:
Bedrooms:	Finish Bsmnt Area:	Pool:
Bath(F/H): /	Basement Type:	Air Cond:
Year Built / Eff: / 1901	Roof Type:	Style:
Fireplace: /	Foundation:	Quality:
# of Stories: 3.00	Roof Material:	Condition:
Other Improvements:		

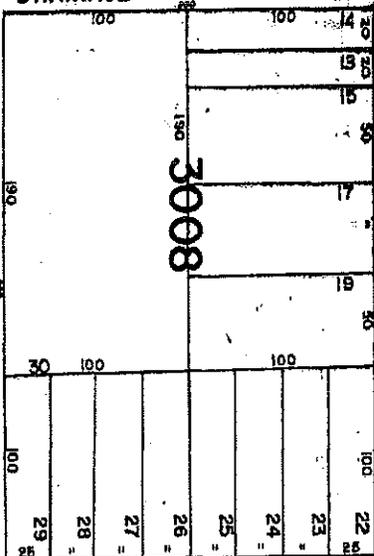
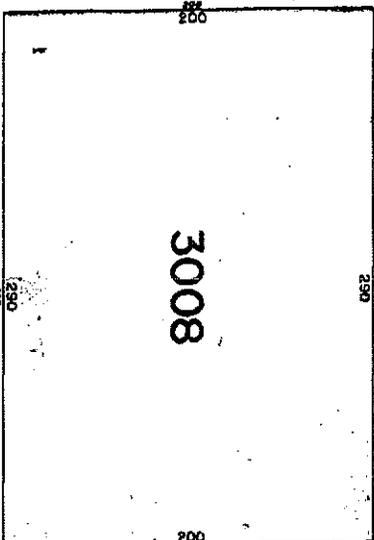
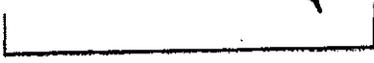
### Site Information:

Zoning: M1-1	Acres: 0.14	County Use: WALKUP APT 3 FAMILY
Flood Zone: C	Lot Area: 6,212	State Use:
Flood Panel: 3604970016B	Lot Width/Depth: 47 x 131	Site Influence:
Flood Panel Date: 11/16/1983	Res/Comm Units: 3 /	Sewer Type:
Land Use: APARTMENT		Water Type:

### Tax Information:

Total Value: \$14,791	Assessed Year: 2006	Property Tax: \$2,618.20
Land Value: \$1,207	Improve %: 092%	Tax Area: 1
Improvement Value: \$13,584	Tax Year: 2006	Tax Exemption:
Total Taxable Value: \$14,791		

18



172 ND ST.



SEE PAGE 11

AL

LOT 477

NEW

DATE

LONGFELLOW

LONGFELLOW

3008 AVE

13

14

SCRATCH

02-12-03

SEE PAGE 17

BOONE

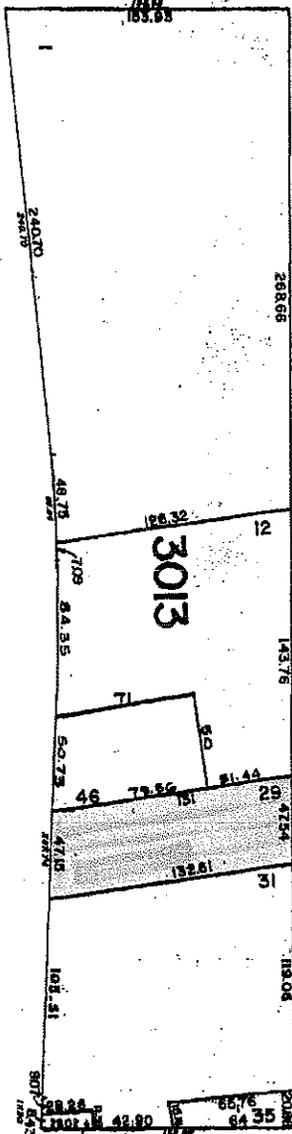
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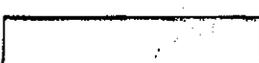
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JENNINGS



WEST FARMS RD.



18

SHERIDAN

BROOK RIVER EXP

EXPRESSWAY

18

FEB 22 2006

**New York City Department of Finance  
Office of the City Register**

**HELP**

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<b>Current Search Criteria:</b>
<b>Borough:</b> BRONX
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<b>Lot:</b> 29
<b>Date Range:</b> To Current Date
<b>Document Class:</b> All Document Classes

# Search Results By Parcel Identifier

Records 1 - 14 << previous next >> Max Rows  [Search Options] [New BBL Search] [Edit Current Search]  
[Print Index]

View	Reel/Pg/File	CRFN	Lot	Partial	Recorded / Filed	Document Type	Pages	Party1	Party2	Party 3/ Other	More Party 1/2 Names	Corrected/ Remarks	Doc Amount
		2004000169414	29	ENTIRE LOT	3/20/2004 11:13:43 AM	MORTGAGE	25	NORTON, PATRICIA	AMERIQUEST MORTGAGE COMPANY				275,000
		2004000148522	29	ENTIRE LOT	3/11/2004 3:20:13 PM	SATISFACTION OF MORTGAGE	3	NORTON, PATRICIA	FUNDAMENTAL HOME BORROWING CORPORATION				0
		1961/906	29	ENTIRE LOT	2/25/2002	ASSIGNMENT, MORTGAGE	3	FUNDAMENTAL HOME BORROWING CORPORATION			✓		0
		1867/2480	29	ENTIRE LOT	5/17/2001	SATISFACTION OF MORTGAGE	3	VELEZ, GABINO	TOMMASO, ANNA/LWT		✓		0
		1863/1183	29	ENTIRE LOT	5/2/2001	SATISFACTION OF MORTGAGE	3	RIOS, HILDA	VELEZ, GABINO		✓		0
		1859/2101	29	ENTIRE LOT	4/19/2001	SATISFACTION OF MORTGAGE	2	RIOS, HILDA	STERLING RESOURCES LTD.				0
		1859/2073	29	ENTIRE LOT	4/19/2001	MORTGAGE	28	NORTON, PATRICIA	FUNDAMENTAL HOME BORROWING CORPORATION				154,000
		1859/2070	29	ENTIRE LOT	4/19/2001	DEED	3	RIOS, HILDA	NORTON, PATRICIA		✓		0
		1016/1474	29	ENTIRE LOT	11/14/1990	ASSIGNMENT, MORTGAGE	2	STERLING RESOURCES, LTD	BANK ATLANTIC				0
		1016/1471	29	ENTIRE LOT	11/14/1990	MORTGAGE	3	RIOS, HILDA	STERLING RESOURCES LTD				15,650
		324/244	29	ENTIRE LOT	1/11/1977	MORTGAGE	4	RIOS RUBEN	GABINO VELEZ		✓		0
		324/242	29	ENTIRE LOT	1/11/1977	DEED	2	VELEZ GABINO	RUBEN RIOS		✓		0
		149/198	29	ENTIRE LOT	2/1/1971	MORTGAGE	4	VELEZ GABINO	ALFREDO TOMMASO (EXS OF)				0
		149/196	29	ENTIRE LOT	2/1/1971	DEED	2	TOMMASO ANNA	GABINO VELEZ		✓		0



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NYC Department of Buildings  
Property Profile Overview

1504 BOONE AVENUE  
BOONE AVENUE 1504 - 1504

BRONX 10460  
Health Area : 2120  
Census Tract : 157  
Community Board : 203  
Buildings on Lot : 4

BIN# 2092205  
Tax Block : 3013  
Tax Lot : 29  
Condo : NO  
Vacant : NO

[View All Addresses...](#) [Browse Block](#)

[View Certificates of Occupancy](#)

DOB Special Place Name:

DOB Building Remarks:

Landmark Status:

Local Law: NO

SRO Restricted: NO

UB Restricted: NO

Little 'E' Restricted: N/A

Legal Adult Use: NO

Historic Block:

Additional BINs for Building: NONE

Special Status: N/A

Loft Law: NO

TA Restricted: NO

DOB District: N/A

Grandfathered Sign: NO

City Owned: NO

Historic Lots:

Department of Finance Occupancy Code:

CO-WALK-UP APARTMENT

**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	0	0
Jobs/Filings	0	
PRA / ARA Jobs	0	
Total Jobs	0	
Total Actions	0	

**Elevator Records**

[Electrical Applications](#)

[Permits In-Process / Issued](#)

[Illuminated Signs Annual Permits](#)

[Plumbing Inspections](#)

[Open Plumbing Jobs / Work Types](#)

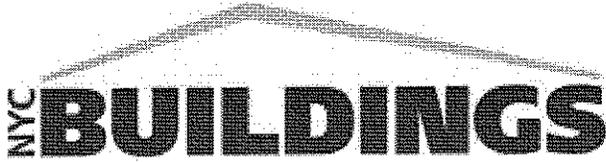
[Facades](#)

[Marquee Annual Permits](#)

[Boiler Records](#)

[DEP Boiler Information](#)

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.



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NYC Department of Buildings  
Property Browse by Boro/Block/Lot

Page: 1

Browsing BRONX Block 3013 Lot 29

TAX LOT	ADDRESS	HOUSE NUM RANGE	FOIL	LANDMARK STATUS	BIN
29	1504 BOONE AVENUE	1504 - 1504			<u>2092205</u>
29	1493 WEST FARMS ROAD	1493 - 1493			<u>2092208</u>

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.

# Property Detail Report

For Property Located At

RealQuest.com

**1508 BOONE AVE, BRONX NY 10460-5936**

## Owner Information:

Owner Name: 1501 WEST FARMS CORP  
Mailing Address: 1493 W FARMS RD, BRONX NY 10460-6001 C001  
Phone Number: Vesting Codes: //

## Location Information:

Legal Description:  
County: BRONX, NY APN: 03013-0031  
Census Tract / Block: 157.00 / 2 Alternate APN: 0301300031  
Township-Range-Sect:  
Legal Book/Page: Map Reference: 11-07-18 / 11-07-18  
Legal Lot: 31 Tract #:   
Legal Block: 3013 School District:   
Market Area: Munic/Township:   
Neighbor Code:

## Owner Transfer Information:

Recording/Sale Date: / Deed Type:   
Sale Price: 1st Mtg Document #:   
Document #:

## Last Market Sale Information:

Recording/Sale Date: 10/28/1982 / 10/28/1982 1st Mtg Amount/Type: /  
Sale Price: 1st Mtg Int. Rate/Type: /  
Sale Type: 1st Mtg Document #: /  
Document #: 487-183 2nd Mtg Amount/Type: /  
Deed Type: DEED (REG) 2nd Mtg Int. Rate/Type: /  
Transfer Document #: Price Per SqFt:   
New Construction: Multi/Split Sale:   
Title Company:   
Lender:   
Seller Name:

## Prior Sale Information:

Prior Rec/Sale Date: / Prior Lender:   
Prior Sale Price: Prior 1st Mtg Amt/Type: /  
Prior Doc Number: Prior 1st Mtg Rate/Type: /  
Prior Deed Type:

## Property Characteristics:

Gross Area: 16,357	Parking Type:	Construction:
Living Area: 16,357	Garage Area:	Heat Type:
Tot Adj Area:	Garage Capacity:	Exterior wall:
Above Grade:	Parking Spaces:	Porch Type:
Total Rooms:	Basement Area:	Patio Type:
Bedrooms:	Finish Bsmnt Area:	Pool:
Bath(F/H): /	Basement Type:	Air Cond:
Year Built / Eff: 1954 /	Roof Type:	Style:
Fireplace: /	Foundation:	Quality:
# of Stories: 2.00	Roof Material:	Condition:
Other Improvements:		

## Site Information:

Zoning: M1-1	Acres: 0.36	County Use: HEAVY MFG FIREPROOF
Flood Zone:	Lot Area: 15,789	State Use:
Flood Panel:	Lot Width/Depth: 119 x 133	Site Influence:
Flood Panel Date:	Res/Comm Units: 1 / 1	Sewer Type:
Land Use: HEAVY INDUSTRIAL		Water Type:

## Tax Information:

Total Value: \$206,803	Assessed Year: 2006	Property Tax: \$9,726.04
Land Value: \$61,830	Improve %: 070%	Tax Area: 4
Improvement Value: \$144,973	Tax Year: 2006	Tax Exemption:
Total Taxable Value: \$99,253		



**New York City Department of Finance  
Office of the City Register**

**HELP**

[Click help for additional instructions]  
Selecting a help option will open new window

**Current Search  
Criteria:**

**Borough:** BRONX  
**Block:** 3013  
**Lot:** 31  
**Date Range:** To  
Current Date  
**Document  
Class:** All  
**Document Classes**

# Search Results By Parcel Identifier

Records 1 - 12 << previous next >> Max Rows  [Search Options] [New BBL Search] [Edit Current Search]  
[Print Index]

View	Reel/Pg/File	CRFN	Lot	Partial	Recorded / Filed	Document Type	Pages	Party1	Party2	Party 3/ Other	More Party 1/2 Names	Corrected/ Remarks	Doc Amount
<a href="#">DET</a> <a href="#">IMG</a>		2006000116206	31	ENTIRE LOT	3/1/2006 12:36:35 PM	ASSIGNMENT, MORTGAGE	3	BUSINESS CREDIT CORP., A NEW YORK CORPORATION	BAYVIEW LOAN SERVICING, LLC				0
<a href="#">DET</a> <a href="#">IMG</a>		2005000569897	31	ENTIRE LOT	10/13/2005 10:17:12 AM	ASGN OF ASGN OF L&R	3	BUSINESS CREDIT CORP., A NEW YORK CORPORATION	BAYVIEW LOAN SERVICING, LLC				0
<a href="#">DET</a> <a href="#">IMG</a>		2005000201988	31	ENTIRE LOT	4/8/2005 8:52:59 AM	SATISFACTION OF MORTGAGE	3	1501 WEST FARMS CORP.	WEST FARMS DEVELOPMENT CORP.				0
<a href="#">DET</a> <a href="#">IMG</a>		2005000201987	31	ENTIRE LOT	4/8/2005 8:52:58 AM	ASSIGNMENT OF LEASES AND RENTS MORTGAGE	15	1501 WEST FARMS CORP.	BUSINESS CREDIT CORP.				552,500
<a href="#">DET</a> <a href="#">IMG</a>		2005000201986	31	ENTIRE LOT	4/8/2005 8:52:57 AM	MORTGAGE	34	1501 WEST FARMS CORP.	BUSINESS CREDIT CORP.				552,500
<a href="#">DET</a> <a href="#">IMG</a>		2005000052685	31	ENTIRE LOT	1/27/2005 11:38:34 AM	INITIAL UCC1	7	1501 WEST FARMS CORP.	BAYVIEW LOAN SERVICING, LLC				0
<a href="#">DET</a> <a href="#">IMG</a>	1776/1714		31	ENTIRE LOT	5/26/2000	ASSIGNMENT, MORTGAGE	3	WEST FARMS DEVELOPMENT CORP.	EINBINDER, GLORY		✓		0
<a href="#">DET</a> <a href="#">IMG</a>	1697/2450		31	ENTIRE LOT	10/13/1999	MORTGAGE	6	1501 WEST FARMS CORP.	WEST FARMS DEVELOPMENT CORP.				250,000
<a href="#">DET</a> <a href="#">IMG</a>	1697/2446		31	ENTIRE LOT	10/13/1999	DEED	4	WEST FARMS DEVELOPMENT CORP.	1501 WEST FARMS CORP.				0
<a href="#">DET</a> <a href="#">IMG</a>	487/183		31	ENTIRE LOT	10/28/1982	DEED	4	EINBINDER, GLORY	WEST FARMS DEVELOP.CORP				0
<a href="#">DET</a> <a href="#">IMG</a>	102/773		31	ENTIRE LOT	2/17/1969	DEED	4	EINBINDER IDA	GLORY EINBINDER		✓		0
<a href="#">DET</a> <a href="#">IMG</a>	102/777		31	ENTIRE LOT	2/17/1968	MORTGAGE	0	EINBINDER GLORY	IDA EINBINDER		✓		0

[Search Options](#)

[New Parcel Identifier Search](#)

[Edit Current Search](#)



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NYC Department of Buildings  
Property Profile Overview

1508 BOONE AVENUE  
BOONE AVENUE 1508 - 1508

BRONX 10460  
Health Area : 2120  
Census Tract : 157  
Community Board : 203  
Buildings on Lot : 4

BIN# 2094593  
Tax Block : 3013  
Tax Lot : 31  
Condo : NO  
Vacant : NO

[View All Addresses...](#) [Browse Block](#)

[View Certificates of Occupancy](#)

DOB Special Place Name:

DOB Building Remarks:

Landmark Status:

Local Law: NO

SRO Restricted: NO

UB Restricted: NO

Little 'E' Restricted: N/A

Legal Adult Use: NO

Historic Block: 3013

Additional BINs for Building: NONE

Special Status: N/A

Loft Law: NO

TA Restricted: NO

DOB District: N/A

Grandfathered Sign: NO

City Owned: NO

Historic Lots: 31

Department of Finance Occupancy Code:

F1-FACTORY/INDSTRIAL

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	0	0
Violations-DOB	0	0
Violations-ECB	0	0
Jobs/Filings	0	
PRA / ARA Jobs	0	
Total Jobs	0	
Actions	3	

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

OR Enter Action Type:

OR Select from List:

Select...

AND

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



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

NYC Department of Buildings  
Application / C of O Display

Premises: 1508 BOONE AVENUE BRONX

BIN: 2094593 Block: 3013 Lot: 31

Type: CO	Number: 024230-58	Application Status: ACTIVE	Date: 07/01/1958
Supercedes CO:		Appl Number:	
District 1:		Type:	CO
District 2:		Compl:	
Bldg OCC Cls:		Units:	
BSA Appl 1:		Height:	
BSA Appl 2:		Stories:	
City Cal Date:		Const Cl:	
Issue Date:	07/01/1958	Text:	

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

# DEPARTMENT OF BUILDINGS

BOROUGH OF **BRONX**, THE CITY OF NEW YORK

No. **21230**

Date **MAY 1 1958**

## CERTIFICATE OF OCCUPANCY

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

This certificate supersedes C. O. No. \_\_\_\_\_

To the owner or owners of the building or premises:

THIS CERTIFIES that ~~there was~~ altered ~~existing~~ building premises located at **1508 Boone Ave., E/S 44.07<sup>th</sup> S. of E. 172<sup>nd</sup> St.**

Block **3013** Lot **31.33**

confirms 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.

~~EXISTING~~ Alt. No. **452-57**

Construction classification— **Metal**

Occupancy classification— **COMMERCIAL**

Height **1** stories, **18** feet.

Date of completion— **May 27, 1958**

Located in **Unrestricted** Use District.

**B. Area Class 14** Height Zone at time of issuance of permit

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

### PERMISSIBLE USE AND OCCUPANCY

STORY	LIVE LOADS Lbs. per Sq. Ft.	PERSONS ACCOMMODATED			USE
		MALE	FEMALE	TOTAL	
First	On Ground	15	0	15	Iron Shop, Crane Bay, Warehouse & Parking & Storage of Motor Vehicles

NOTE: Not over 5 persons to be employed at manufacturing in building.

**SUPERSEDED**  
**BY C. O. 41396-66**

**OK**  
**MAY 1 1958**

*[Signature]*  
Borough Superintendent

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

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

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

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

This certificate does not in any way relieve the owner or owners or any other person or persons in possession or control of the building, or any part thereof from obtaining such other permits, licenses or approval 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.

# Property Detail Report

For Property Located At

RealQuest.com

## E 172ND ST, BRONX NY

### Owner Information:

Owner Name: 1501 WEST FARMS CORP  
Mailing Address: 1501 W FARMS RD, BRONX NY 10460-6028 C001  
Phone Number: Vesting Codes: //

### Location Information:

Legal Description:  
County: BRONX, NY APN: 03013-0037  
Census Tract / Block: 157.00 / 2 Alternate APN: 0301300037  
Township-Range-Sect:  
Legal Book/Page: Map Reference: 11-07-18 / 11-07-18  
Legal Lot: 37 Tract #:  
Legal Block: 3013 School District:  
Market Area: Munic/Township:  
Neighbor Code:

### Owner Transfer Information:

Recording/Sale Date: / Deed Type:  
Sale Price: 1st Mtg Document #:  
Document #:

### Last Market Sale Information:

Recording/Sale Date: 04/11/1989 / 02/17/1989 1st Mtg Amount/Type: /  
Sale Price: 1st Mtg Int. Rate/Type: /  
Sale Type: 1st Mtg Document #: /  
Document #: 912-1387 2nd Mtg Amount/Type: /  
Deed Type: DEED (REG) 2nd Mtg Int. Rate/Type: /  
Transfer Document #: Price Per SqFt:  
New Construction: Multi/Split Sale:  
Title Company:  
Lender:  
Seller Name:

### Prior Sale Information:

Prior Rec/Sale Date: / Prior Lender:  
Prior Sale Price: Prior 1st Mtg Amt/Type: /  
Prior Doc Number: Prior 1st Mtg Rate/Type: /  
Prior Deed Type:

### Property Characteristics:

Gross Area:	Parking Type:	Construction:
Living Area:	Garage Area:	Heat Type:
Tot Adj Area:	Garage Capacity:	Exterior wall:
Above Grade:	Parking Spaces:	Porch Type:
Total Rooms:	Basement Area:	Patio Type:
Bedrooms:	Finish Bsmnt Area:	Pool:
Bath(F/H): /	Basement Type:	Air Cond:
Year Built / Eff: /	Roof Type:	Style:
Fireplace: /	Foundation:	Quality:
# of Stories:	Roof Material:	Condition:

Other Improvements:

### Site Information:

Zoning: M1-1	Acres: 0.01	County Use: MISC BLDG CLASS
Flood Zone: C	Lot Area: 245	State Use:
Flood Panel: 3604970016B	Lot Width/Depth: 29 x 8	Site Influence: CORNER
Flood Panel Date: 11/16/1983	Res/Comm Units: /	Sewer Type:
Land Use: MISC BUILDING		Water Type:

### Tax Information:

Total Value: \$275	Assessed Year: 2006	Property Tax: \$29.44
Land Value: \$275	Improve %:	Tax Area: 4
Improvement Value:	Tax Year: 2006	Tax Exemption:
Total Taxable Value: \$275		

3

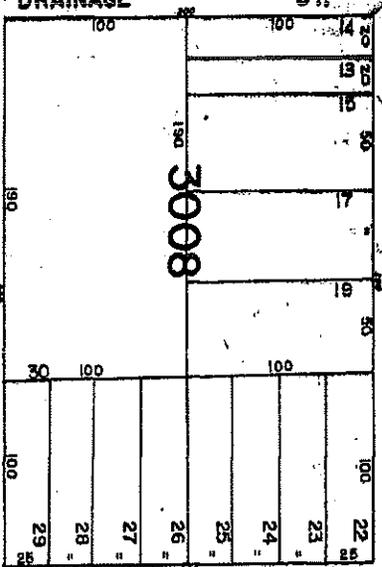
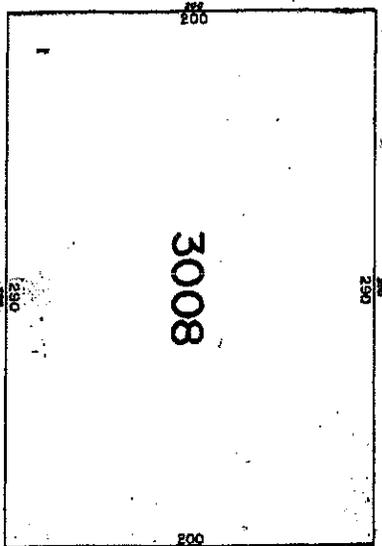
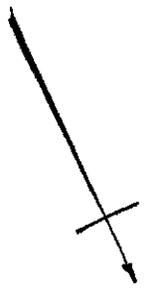
SEE PAGE 11 PL LOT 499. NEW

DATE

LONGFELLOW ST 3008 AVE

SCRATCH

02-12-03

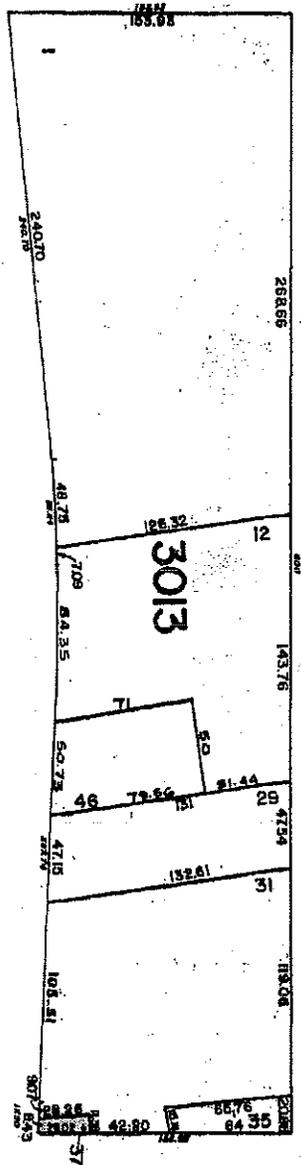


172 ND ST.

SEE PAGE 17

SEE PAGE 19

JENNINGS



WEST FARMS RD.

18

SHERIDAN

BRONX RIVER EXP

EXPRESSWAY

18

FEB 22 2006

**New York City Department of Finance  
Office of the City Register**

**HELP**

[Click help for additional instructions]  
Selecting a help option will open new window

<b>Current Search Criteria:</b>
<b>Borough:</b> BRONX
<b>Block:</b> 3013
<b>Lot:</b> 37
<b>Date Range:</b> To Current Date
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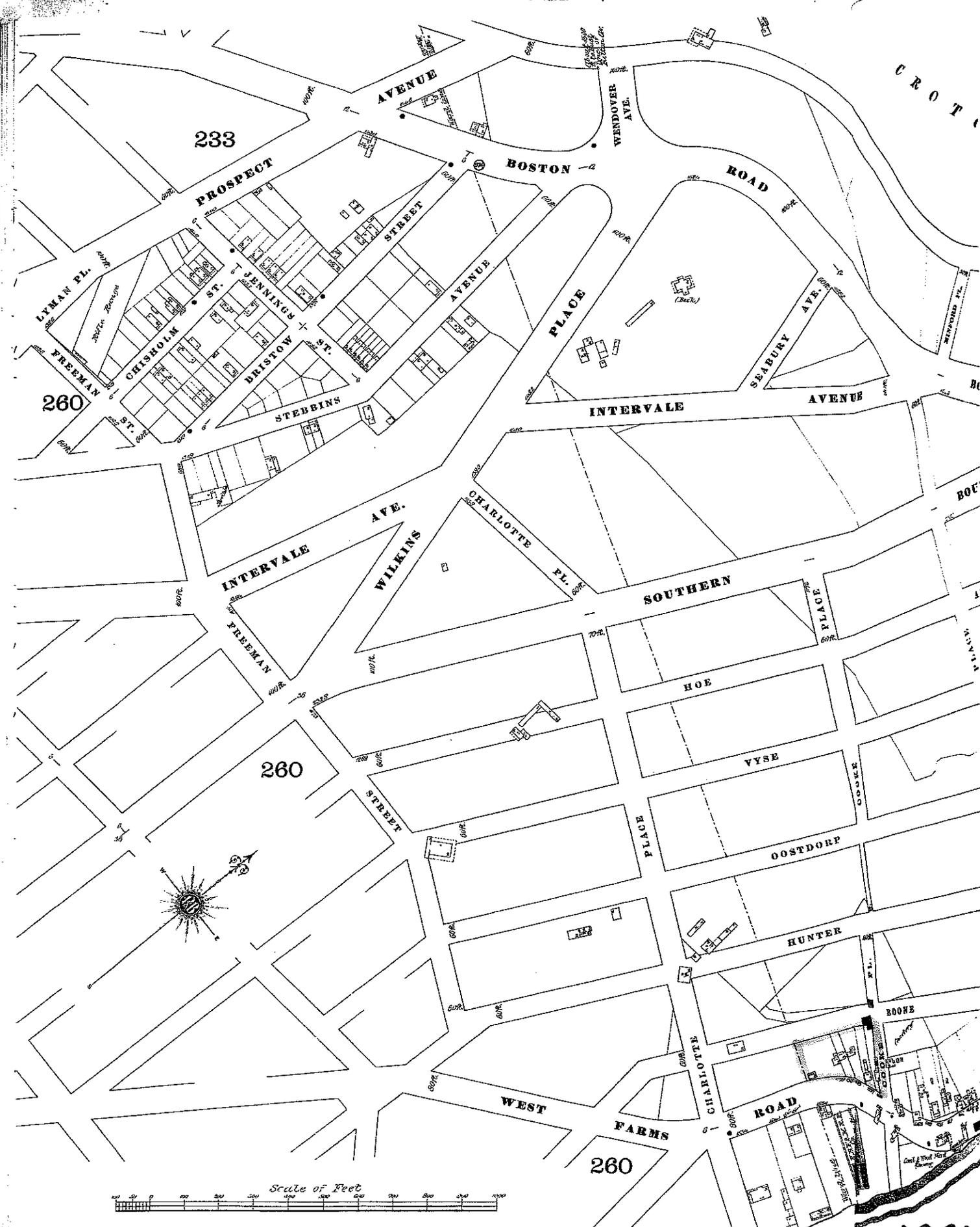
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Records 1 - 8 << previous next >> Max Rows  [Search Options] [New BBL Search] [Edit Current Search]  
[Print Index]

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		2005000201987	37	ENTIRE LOT	4/8/2005 8:52:58 AM	ASSIGNMENT OF LEASES AND RENTS MORTGAGE	15	1501 WEST FARMS CORP.	BUSINESS CREDIT CORP.			552,500
		2005000201986	37	ENTIRE LOT	4/8/2005 8:52:57 AM	MORTGAGE	34	1501 WEST FARMS CORP.	BUSINESS CREDIT CORP.			552,500
		2005000052685	37	ENTIRE LOT	1/27/2005 11:38:34 AM	INITIAL UCC1	7	1501 WEST FARMS CORP.	BAYVIEW LOAN SERVICING, LLC			0
	1776/1714		37	ENTIRE LOT	5/26/2000	ASSIGNMENT, MORTGAGE	3	WEST FARMS DEVELOPMENT CORP.	EINBINDER, GLORY	✓		0
	1697/2450		37	ENTIRE LOT	10/13/1999	MORTGAGE	6	1501 WEST FARMS CORP.	WEST FARMS DEVELOPMENT CORP.			250,000
	1697/2446		37	ENTIRE LOT	10/13/1999	DEED	4	WEST FARMS DEVELOPMENT CORP.	1501 WEST FARMS CORP.			0
	912/1387		37	ENTIRE LOT	4/11/1989	DEED	2	SOOS, CHARLES J/LWT	WEST FARMS DEVELOP CORP	✓		0

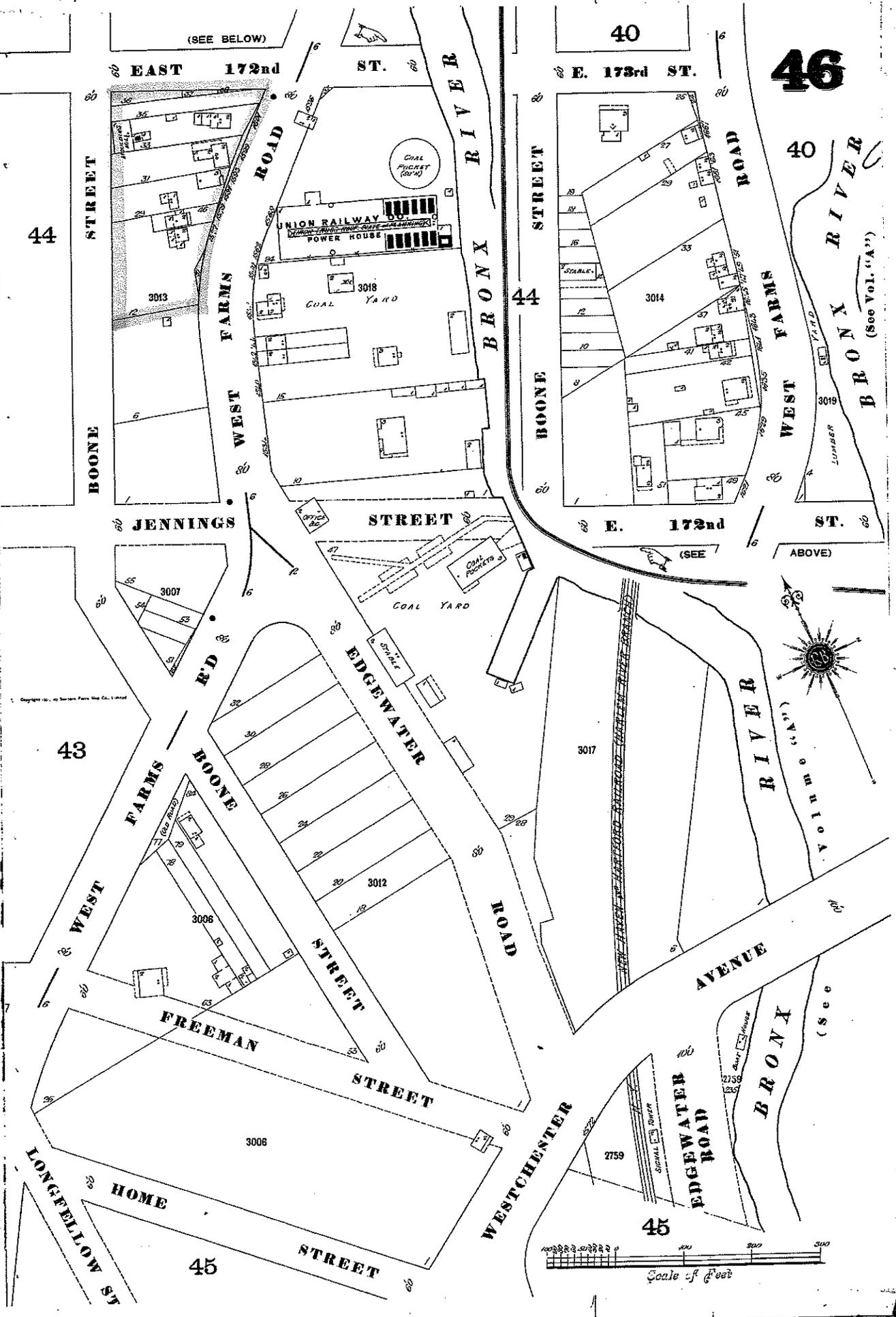
**Impact Environmental**  
Environmental Site Assessment

Appendix G  
Sanborn Maps



1896

46



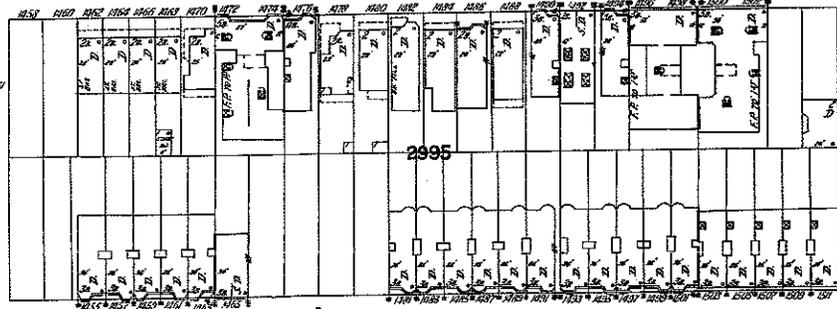
1901

11

VYSE AVENUE

AVENUE

17



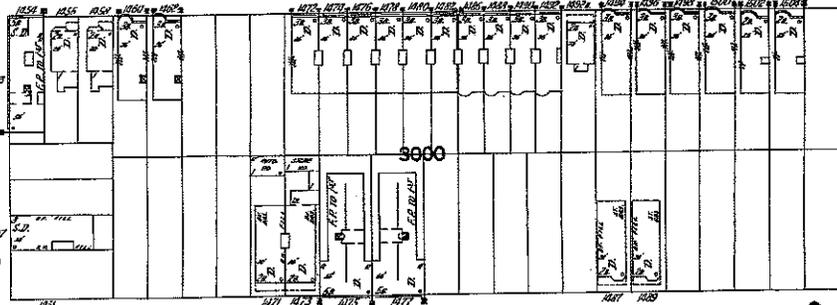
BRYANT AVENUE

AVENUE

5

JENNINGS STREET

STREET



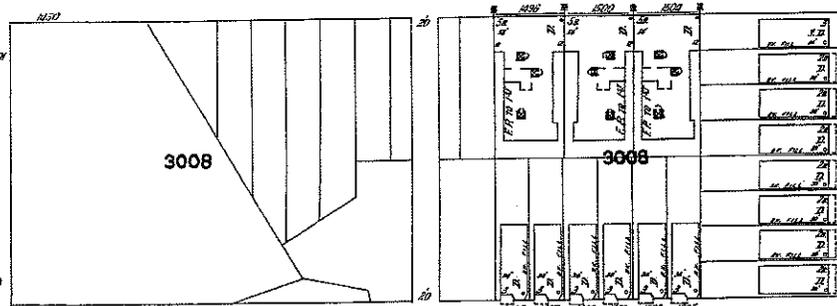
LONGFELLOW AVENUE

AVENUE

18

JENNINGS STREET

172ND STREET



BOONE AVENUE

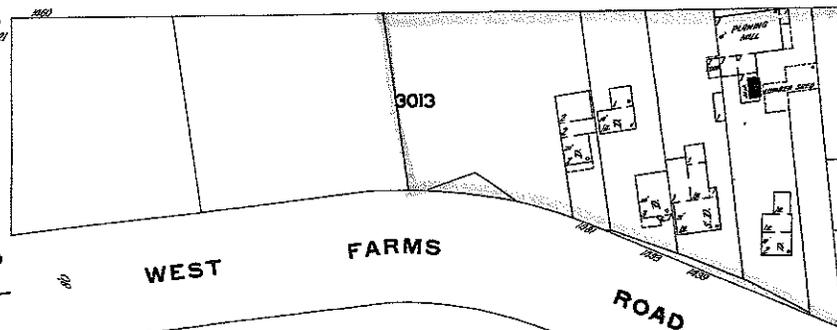
AVENUE

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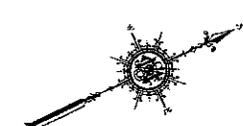
WEST FARMS ROAD

ROAD

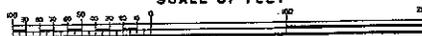
EAST



13



SCALE OF FEET

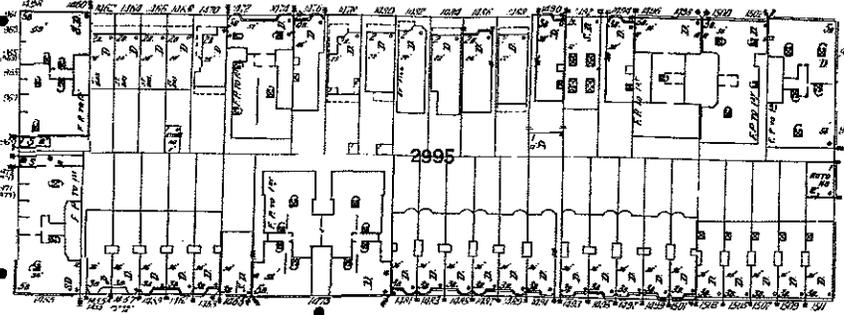


1915

11

YVSE AVENUE

17

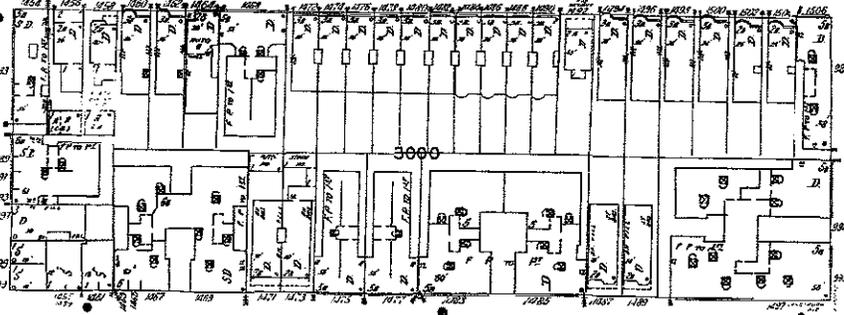


BRYANT AVENUE

5

STREET

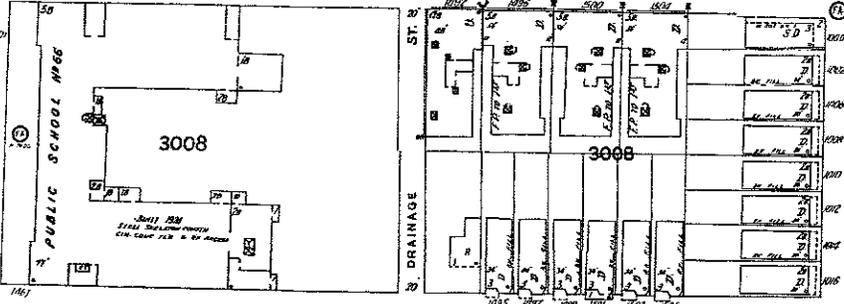
STREET



LONGFELLOW AVENUE

18

JENNINGS

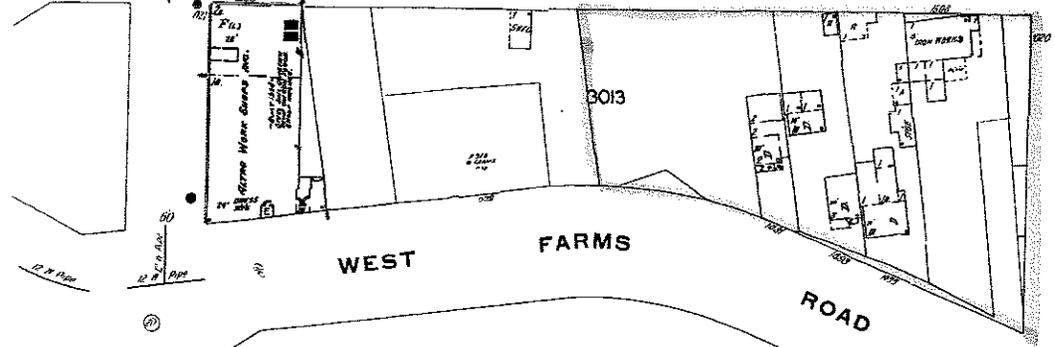


BOONE AVENUE

14

JENNINGS

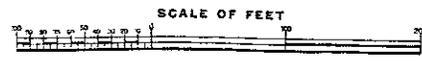
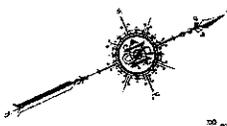
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WEST FARMS ROAD

EAST

13



1951

BRYANT

AVENUE

5

LONGFELLOW

AVENUE

172ND

BOONE

AVENUE

14

WEST FARMS ROAD

ROAD

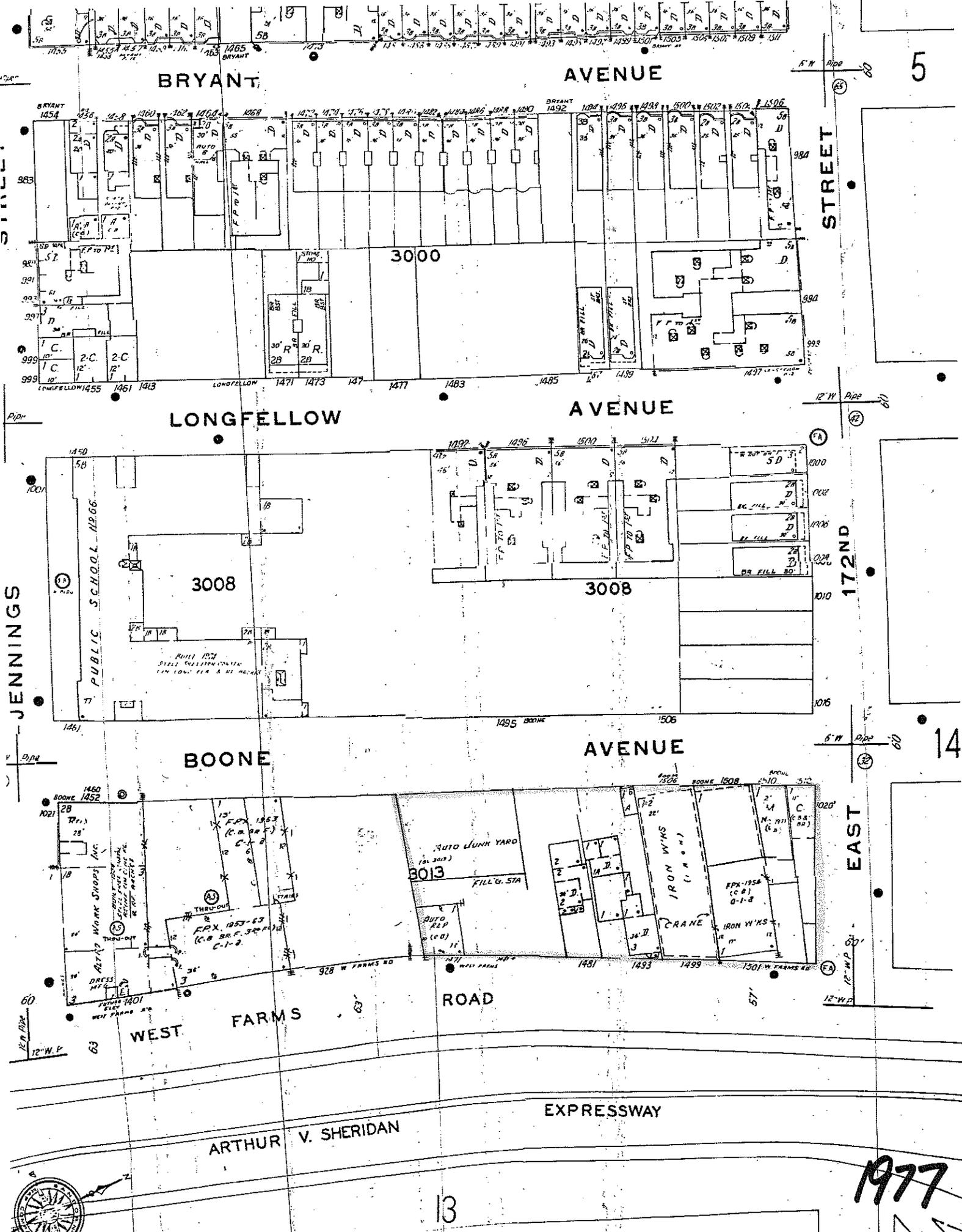
EAST

EXPRESSWAY

ARTHUR V. SHERIDAN

13

1977



JENNINGS

STREET

PUBLIC SCHOOL 12966

3000

3008

3008

3013

IRON WKS

IRON WKS

AUTO JUNK YARD  
FILL'G. STA

CRANE

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1401

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12" W.P.

63

12" W.P.

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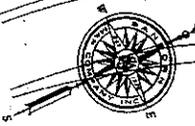
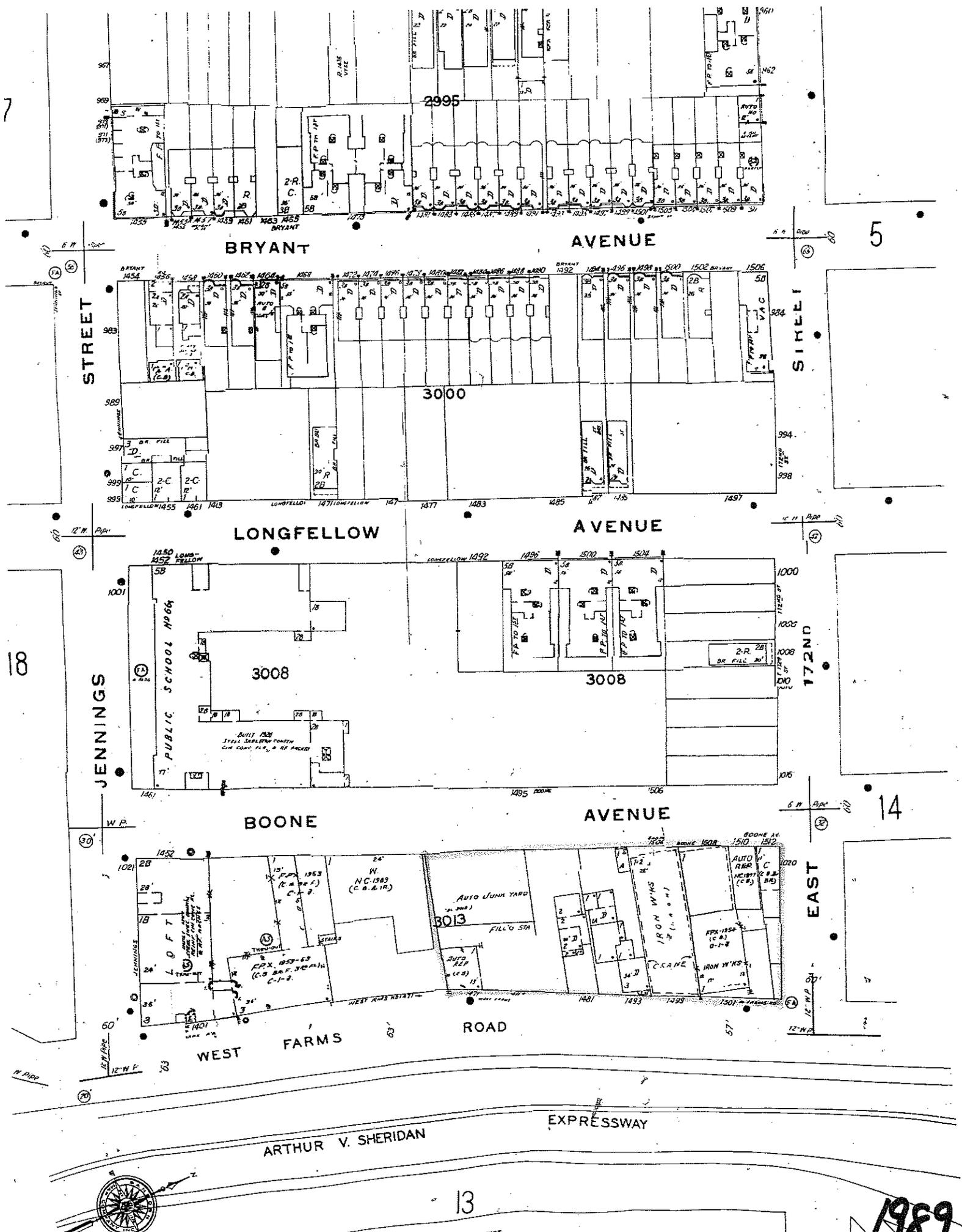
5

18

14

13

1989



SCALE OF FEET

**Impact Environmental**  
Environmental Site Assessment

Appendix H  
Qualifications of the Environmental Professional

## EDUCATION December 1995

- State University of New York at Plattsburgh- Bachelor of Science in Environmental Sciences
- Environmental Chemistry Minor
- Applied Environmental Science Program

## PROFESSIONAL June 1997-Present

## EXPERIENCE

General Manager, *Impact Environmental Consulting, Inc., Bohemia, New York*

- Manage technical environmental investigation and remediation projects for private real estate owners/purchasers, lending institutions and government agencies.
- General Manager of Assessment and Remediation Departments with annual revenues of over 4 million for Phase I and II Environmental Site Assessments, NYSDEC Spill Investigation and Remediations, SCDHS & NCDH Underground Injection Control Programs, NYSDEC Voluntary Cleanup Programs, NYSDEC Inactive Hazardous Waste Disposal Site Investigation and Remediation, Brownfield Environmental Restoration, RCRA Closure, and NYCDEP E-Designation Sites.
- Supervise staff of geologists, hydrogeologists, engineers, environmental scientists, and computer analysts to develop and implement sampling and analysis plans, quality assurance programs, remedial action plans.
- NYSDEC approved Project Manager for New York State Inactive Hazardous Waste Sites.
- Provided professional witness testimony/deposition statements and support in litigation cases involving soil, air and/or groundwater pollution.

December 1995-June 1997

Chemist, *Wyeth Ayerst Laboratories, Rouses Point, New York*

- Worked in chromatographic separations division performing quality assurance analysis.
- Performed laboratory procedures and analyses in accordance with USFDA analytical test methods by liquid, gas, and thin layer chromatography.

CERTIFICATIONS  
& TRAINING

- New York Precision Equipment Global Survey Positioning Training, July 2006
- National Brownfield Organization Course, EPA's All Appropriate Inquiry Rule, February 2006
- New York State Department of Health, Vapor Intrusion Training, August 2005
- MTBE & TBA Comprehensive Site Assessment and Successful Groundwater Remediation, May 2004
- Environmental Data Resources, Due Diligence Workshop, March 2003
- Advanced Technologies for Accelerated Natural Attenuation, February 2003
- Conference on Pharmaceutical Contaminants in Water Resources-Minneapolis, October, 2001
- Geophysical Survey Systems, Theory and Practice of Applying Subsurface Interface Radar in Engineering and Geophysical Investigation, October 1997.
- 40-Hour Occupational Safety & Health Administration

## ORGANIZATIONS

- National Groundwater Association
- Environmental Assessment Association
- Long Island Geologist Association
- Queens-Bronx Builders Association

**Impact Environmental**  
Environmental Site Assessment

Appendix I  
Qualifications of the Project Manager

## EDUCATION

May 2006

- Adelphi University of Garden City, New York – Master of Arts in Science Education
- Adolescent Science Education Program for grades (7-12)
- Graduated with Honors: Kappa Delta Pi International Honor Society in Education

May 2004

- Saint Joseph's College of Patchogue, New York – Bachelor of Science in Biology
- Chemistry Minor
- Saint Joseph's College of Liberal Arts and Sciences Honor Deans List, 09/03 - 05/04.

PROFESSIONAL  
EXPERIENCE

2006 - Present

*Environmental Biologist*, Impact Environmental Consulting, Inc., Bohemia, New York

- Submission of Freedom of Information Requests to various agencies.
- Conducts government record searches and file reviews in association with the performance of Phase I Environmental Site Assessments.
- Utilizes various publicly and privately compiled computer databases to satisfy the requirements of ASTM E-1527-05.
- Performs Phase I Environmental Site Assessment inspections.
- Technical Operator for Geoprobe sampling system for the acquisition of subsurface soil and groundwater.

1998 –2006

*Purchasing Assistant Buyer II*, Developmental Disabilities Institute, Smithtown, New York

- Purchased materials, equipment, and supplies for a \$60 MM not for profit organization.
- Created and improved relationships with vendors, while negotiating pricing to ensure best value.
- Coordinated the distribution of materials and supplies for personnel, educators, and administration.
- Reviewed and posted the utility bills for supply, phone, cell phone, and medical equipment agency wide.

RELEVANT  
COURSEWORK

- Environmental Issues, Earth Science, Biology, Ecology, Physiology, Chemistry, Organic Chemistry, Genetics, Developmental Biology, Microbiology, Virology, Physics, and Calculus.

## RESEARCH

- Scholarly Thesis: *The Effect of Increase Levels of Cephalosporins on the Growth and Development of Cephalosporin Resistant Microbes.*

# **Phase II Environmental Site Assessment**

Limited Subsurface Investigation

*February 1, 2007*

# 07-010.1

*conducted at:*

**1471, 1481, 1501 W Farms Road/ 1493 & 1508 Boone Avenue  
Bronx, New York**

**Bronx Tax Map Designation: Block 3013; Lots 12, 46, 29, 31, & 37**

*prepared for:*

**Allied West Farms (NY LLC)  
c/o Robert Altman, Esq., PLLC  
New York, New York**

*report user:*

**Allied West Farms (NY LLC)  
c/o Robert Altman, Esq., PLLC  
New York, New York**

**IMPACT ENVIRONMENTAL**

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- Figure 1:** Geoprobe Operating System

**APPENDICES**

- Appendix A:** Laboratory Report, JMS Environmental Services, Inc.

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Impact Environmental Corporate Records	1

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## **1 Purpose & Scope**

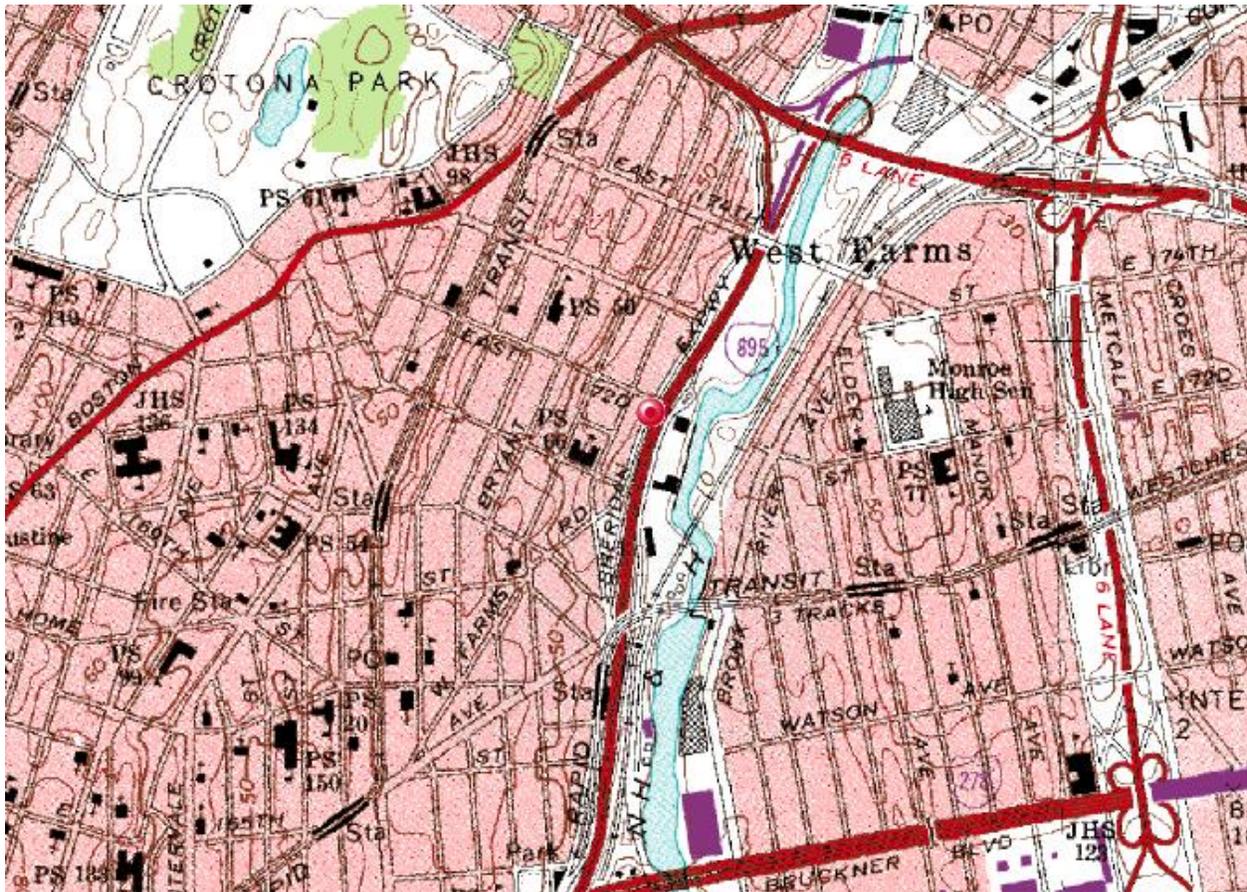
This Phase II Environmental Site Assessment (ESA) was conducted to define what, if any, contaminants have impacted the environmental quality of the properties located at 1471, 1481, 1501 West Farms Road and 1493 & 1508 Boone Avenue, Bronx, New York, herein identified as the Sites. The scope of this investigation was based on the recommendations presented in the Phase I ESA report prepared by Impact Environmental, dated January 25, 2007. Said assessment identified issues requiring supplemental data to further define the environmental quality of the Sites.

The investigative protocols proposed for this assessment were based, in part, upon the following documents: 1) the New York State Department of Environmental Conservation Technical and Administrative Guidance Memorandum (TAGM) #4046, Determination of Soil Cleanup Objectives; 2) the New York State Department of Environmental Conservation, Technical Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Limitations; 3) the New York State Department of Environmental Conservation, Sampling Guidelines and Protocols, Technical Background and Quality Control Assurance for the New York State Department of Environmental Conservation Spill Response Program, dated September 1992; and 4) the New York State Department of Environmental Conservation, Division of Environmental Remediation, Draft DER-10 Technical Guidance For Site Investigation and Remediation, dated December 25, 2002. The activities performed under the scope of this investigation have been summarized in this report in the following sections.

- **Site Description**
- **Survey, Sampling and Analysis Plan**
- **Quality Assurance and Control Procedures (QA/QC)**
- **Laboratory Analysis**
- **Evaluation of Results**
- **Conclusions**

Presented herein are the results of the Phase II Environmental Site Assessment conducted by Impact Environmental on the Site [see **Plate 1:** Project Location Map, *Bronx, New York*].

**Plate 1: Project Location Map**  
*Bronx, New York*



CONTOUR INTERVAL 10 FEET  
DASHED LINES REPRESENT 5 - FOOT CONTOURS  
DATUM IS MEAN SEA LEVEL  
DEPTH CURVES AND SOUNDINGS IN FEET - DATUM IS MEAN LOW WATER

## 2 Site Description

All of the information presented in this section of the report was compiled during the performance of the Phase I Environmental Site Assessment.

### 2.1 Topography

The extent of the entire property is approximately 37,833 square feet (0.87 acres). The Sites contains one (1) two-story, masonry steel manufacturing building, two (2) residential dwellings, and one (1) single-story auto repair shop with a parking lot. The surface areas of the Sites consist of asphalt parking areas, concrete walkways, exposed soils, and natural scrub vegetation. The Sites are currently developed as a manufacturing building, residential dwellings, and an auto repair shop.

### 2.2 Land Use

The Sites are located in Bronx, New York. The Sites are situated in a manufacturing (M1-1) zoning area in the County of Bronx, New York. The sites are bound to the north by East 172<sup>nd</sup> Street and beyond by a storage yard; to the south by a manufacturing building; to the west by Boone Avenue, and beyond by residential properties; and to the east by West Farms Road, and beyond by the Sheridan Expressway (I-895). The extent of the entire property is approximately 37,833 square feet (0.87 acres). The Sites contains one (1) two-story, masonry steel manufacturing building, two (2) residential dwellings, and one (1) single-story auto repair shop with a parking lot.

### 2.3 Recognized Environmental Conditions

The Phase I Environmental Site Assessment revealed the following recognized environmental conditions:

1. Review of historical Sanborn maps revealed that the Site (1471 West Farms Road) was an auto junk yard and then had been utilized as a gasoline filling station/auto body since 1977 with a closed NYSDEC spill (#0300164) in 2003. The Site is presently an active auto body that is a RCRA hazardous waste generator and transporter. The fixture surfaces in the bathrooms did exhibit signs of chemical staining. The former land uses of the Site, the spill, and conditions of the poor housekeeping practices have created the potential for organic and/or inorganic contaminants to

have impacted the environmental quality of the Site. In addition, the lack of documentation available for review regarding the previous filling station and possible installation of second generation gasoline underground storage tanks also represent *recognized environmental condition*. Accordingly, a ground penetrating radar survey is recommended to locate any underground structures associated with the former on-site operations. Further, a limited subsurface investigation is recommended to determine if the environmental quality of the Site has been adversely impacted by on-site activities.

2. Review of historical Sanborn maps revealed that the Site (1501 West Farms Road a/k/a 1508 Boone Avenue) was auto body in 1989 and a manufacturing plant/ iron works since 1977. The Site is presently a steel manufacture. The ground surfaces of the Site were observed and inspected for indications of chemical staining. The surfaces did exhibit signs of chemical staining. The chemical storage observed in the building should be properly maintained and stored in proper containers in accordance with all applicable rules and regulations. The northeastern driveway of the Site contained two drains in the location of the former auto body shop. The Site also exhibited heavy chemical storage (several five-gallon drums) and poor housekeeping practices. The former land uses of the Site and conditions of the poor housekeeping practices have created the potential for organic and inorganic contaminants. Accordingly, a limited subsurface investigation is recommended to determine if the environmental quality of the Site has been adversely impacted by former on-site activities.
  
3. Several off-site confirmed or potential contamination sources were identified to exist within the ASTM search radius. However, according to the USEPA Small Business Liability Protection Act indicates that "a person that owns real property that is contiguous to or otherwise similarly situated with respect to, and that is or may be contaminated by a release or threatened release of a hazardous substance from, real property that is not owned by that person shall not be considered to be an owner or operator of a vessel or facility under paragraph (1) or (2) of subsection (a) solely by reason of the contamination if— "(i) the person did not cause, contribute, or consent to the release or threatened release; "(ii) the person is not— "(I) potentially liable, or affiliated with any other person that is potentially liable, for response costs at a facility through any direct or indirect familial relationship or any contractual, corporate, or financial relationship (other than a contractual, corporate, or financial relationship that is created by a contract for the sale of goods or services); or "(II) the result of a reorganization of a business entity that was potentially liable; "the person takes reasonable steps to "(I) stop any continuing release; "(II) prevent any threatened future release; and prevent or limit human, environmental, or natural resource exposure to any hazardous substance released on or from

property owned by that person; "(iv) the person provides full cooperation, assistance, and access to persons that are authorized to conduct response actions or natural resource restoration at the vessel or facility from which there has been a release or threatened release (including the cooperation and access necessary for the installation, integrity, operation, and maintenance of any complete or partial response action or natural resource restoration at the vessel or facility); "(v) the person— "(I) is in compliance with any land use restrictions established or relied on in connection with the response action at the facility; and integrity of any institutional control employed in "(II) does not impede the effectiveness or connection with a response action; "(vi) the person is in compliance with any request for information or administrative subpoena issued by the President under this Act; "(vii) the person provides all legally required notices with respect to the discovery or release of any hazardous substances at the facility; and "at the time at which the person acquired the property, the person— "(I) conducted all appropriate inquiry within the meaning of section 101(35)(B) with respect to the property; and "(II) did not know or have reason to know that the property was or could be contaminated by a release or threatened release of one or more hazardous substances from other real property not owned or operated by the person." Accordingly, additional Phase II activities are recommended to identify any potential contamination on the Site that may be acting as a contributing source to the underlying groundwater contamination; and determine what, if any, impacts to groundwater quality on the Site have occurred resulting from the above referenced off-site sources.

### 3 Survey, Sampling and Analysis Plan

A survey, sampling and analysis program was developed to address the recognized environmental conditions identified in the Phase I ESA. The plan included: 1) a remote sensing survey to identify if any fuel oil/ gasoline UST(s) are still present on the Site (1471 West Farms Road); 2) an investigation to determine what, if any, contaminants were released to the subsurface soil of the Sites as a result of former industrial on-site activities. All sampling locations can be referenced with **Plate 2: Sample Acquisition Map, Bronx, New York.**

#### 3.1 Remote Sensing Survey

A remote sensing survey was performed over portions of the planimetric surface of the Site (1471 West Farms Road) utilizing a GSSI model SIR-2 ground penetrating radar (GPR) system equipped with a 400MHz antenna. The survey was performed to determine if any UST(s) are still present on the Site (1471 West Farms Road - Auto Repair Shop). The analysis of the data collected from the survey failed to identify any subsurface anomalies that were interpreted to represent underground storage tanks.

##### 3.1.1 GPR Procedures

A GPR system consists of a radar control unit, control cable and a transducer (antenna). The control unit transmits a trigger pulse at a normal repetition rate of 50 KHz. The trigger pulse is sent to the transmitter electronics in the transducer via the control cable. The transmitter electronics amplify the trigger pulses into bipolar pulses that are radiated to the subsurface. The transformed pulses vary in shape and frequency according to the transducer used. In the subsurface, variations of the signal occur at boundaries where there is a dielectric contrast (void, steel, soil type, etc.). Signal reflections travel back to the control unit represented as color graphic images for interpolation. This system is capable of transmitting electromagnetic energy in the frequency range of 16MHz to 2000MHz.

A qualified Impact Environmental technician specified a coordinate system on the planimetric surface of the site to map any subsurface dielectric anomalies detected on the premises. The operator used knowledge of the subsurface soil composition to calibrate the SIR-2 system to site-specific conditions. Factor settings such as range, gain, number of gain points, and scans per unit, were modified to yield the most accurate data to describe the subsurface conditions.

Upon finding a dielectric anomaly, a more spatially specific coordinate system was designed over the area to determine its size, shape and orientation. The data collected during the survey was reviewed by the operator and compared against past experience, technical judgment and prior site knowledge to classify the anomalies.

### 3.2 Subsurface Soil Sampling Locations

On January 18, 2007, Impact Environmental installed fifteen (15) soil probes, identified as SP-1, SP-2, SP-3, SP-4, SP-5, SP-6, SP-7, SP-8, SP-9, SP-10, SP-11, SP-12, SP-13, SP-14, and SP-15, on the Sites as part of this investigation.

Soil probe SP-1 was installed adjacent to an existing drain within the driveway at 1508 Boone Avenue. Soil samples were secured from said probe at depth intervals ranging from grade to four (4) feet below existing grade (BEG). Refusal was encountered due to bedrock at a depth of approximately four (4) feet BEG from said probe.

Soil probes SP-2 and SP-3 were installed proximal to the previous auto body shop at 1508 Boone Avenue. Soil samples were secured from said probe at depth intervals ranging from grade to three (3) feet (for SP-3) and to eleven (11) feet (for SP-2) BEG. Refusal was encountered due to bedrock at depths of approximately three (3), eleven (11) feet BEG, respectively from said probes.

Soil probes SP-4, SP-5, SP-6, SP-7, and SP-8 were installed proximal to the locations of historical underground storage tanks (USTs) identified from the Sanborn Maps and closed NYSDEC spill incident. Subsurface soil samples were secured from said probes at depth intervals ranging from grade to four (4) to six (6) feet BEG. Refusal was encountered due to bedrock at a depth of approximately four (4) to six (6) feet BEG from said probes.

Soil probes SP-9 and SP-10 were installed at the current auto body repair shop containing automobile lifts and exhibiting poor housekeeping. Subsurface soil samples were secured from said probes at depth intervals ranging from grade to less than two (2) feet BEG. Refusal was encountered due to bedrock at a depth of less than two (2) feet BEG from said probes.

Soil probes SP-11, SP-12, SP-13, and SP-14 were installed at 1508 Boone Avenue, a current steel manufacture. Subsurface soil samples were secured from said probes at depth intervals ranging from

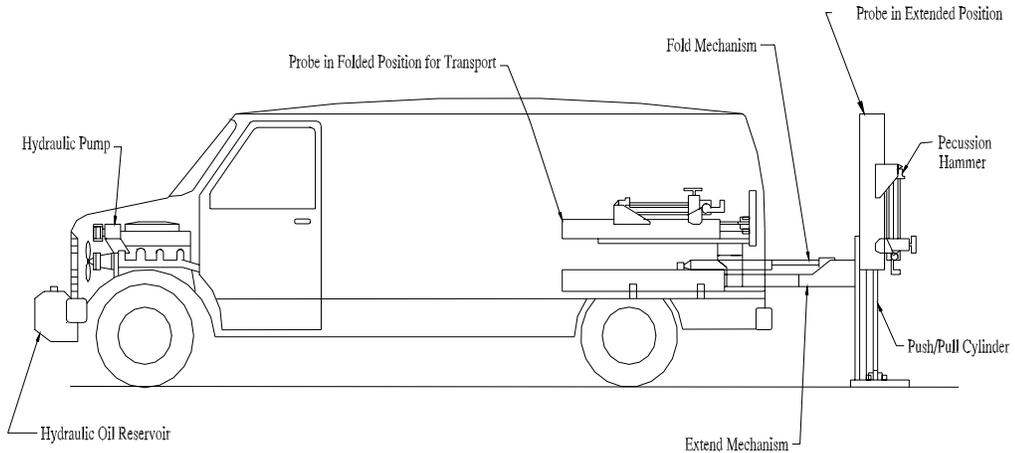
grade to six (6) feet BEG. Refusal was encountered due to bedrock at a depth of less than two (2) feet BEG from said probes.

Soil probe SP-15 was installed behind the steel manufacturing building in an area that contained a pool of drain water. Soil samples were secured from said probe at depth intervals ranging from grade to four (4) feet below existing grade (BEG). Refusal was encountered due to bedrock at depths of approximately four (4) to six (6) feet BEG from said probes.

### *3.2.1 Subsurface Probe Installation Procedure*

Subsurface probes were sited using a Geoprobe hydraulically powered probing tool (see Figure 1: Geoprobe Operating System). Mechanized, vehicle mounted probe systems apply both static force and hydraulically powered percussion hammers for tool placement (static down forces up to 18,000 pounds combined with percussion hammers of eight horsepower continuous output). Recovery of large sample volumes was facilitated with a probe-driven sampler. The probe-driven sampler consisted of a hollow probe that opened via a remote control mechanism at the selected sampling depth in the soil profile to allow soil to enter as it was advanced. Discrete media samples were secured at the desired depths and were contained within a non-reactive transparent plastic sleeve that lined the hollow probe. The plastic sleeves were removed for subsequent inspection and sample aliquot acquisition.

**Figure 1: Geoprobe Operating System**



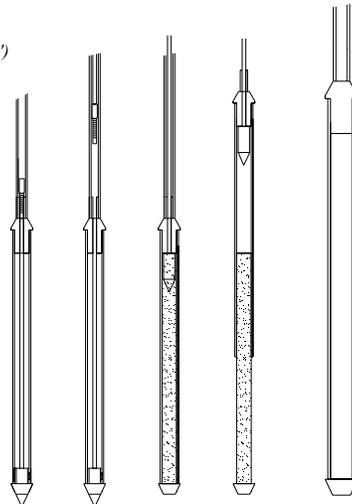
**Basics**

- ❖ Hydraulic powered probe unit isoperated from a engine driven pump.
- ❖ Remote vehicle ignition allows operator to start engine from probe unit.
- ❖ Belt driven hydraulic pump supplies 10 gpm @ 2000 rpm, 3000 psi operating pressure
- ❖ Probe unit folds for transport
- ❖ Unit utilizes static weight of vehicle and percussion hammer to advance probing tools.
- ❖ Hydraulic hammer delivers percussion rate of 30 Hz.
- ❖ Probes have greater than 18,000 lbs of down force and 25,000 lbs of retraction force.
- ❖ Drives multiple diameter probes (1", 1.25" and 2.25") to depths over 100 feet.

⚙ **Soil Probing Tool**

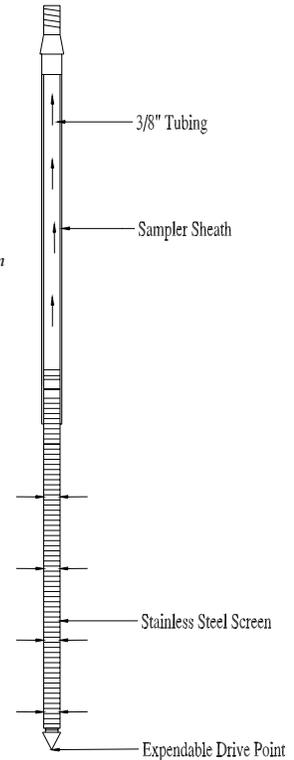
*The tools are advanced and a sample is acquired in a non-reactive plastic sheathing. The system offers two sizes of sample retrieval:*

- Large bore - 1.5" x 2'*
- Macro - 2.25" x (2', 3' & 4')*



⚙ **Groundwater SP-15 Sampler**

*The tool allows a stainless steel, 4' screen to be delivered to the underlying groundwater. At the desired depth, the screen is retracted and samples are obtained via a check valve assembly.*



### 3.3 Field Headspace Analysis

Headspace analysis was performed on each subsurface soil sample acquired from probes as SP-1, SP-2, SP-3, SP-4, SP-5, SP-6, SP-7, SP-8, SP-9, SP-10, SP-11, SP-12, SP-13, SP-14, and SP-15 to provide precursory data regarding contamination. Results of the analysis were used to adjust the sample and analysis program to yield the most accurate and representative results. The results of the field analysis are presented in **Table 1: Field Headspace Analysis Results, Bronx, New York**. The field headspace analysis of the samples secured from said probes failed to detect any concentrations of hydrocarbons above ambient levels, except for SP-6.

**Table 1:** Field Headspace Analysis Results, Bronx, New York

Sample ID	SP-1	SP-2	SP-3	SP-4	SP-5	SP-6	SP-7
<i>Unit</i>	<i>ppm</i>						
Depth BEG							
0'-2'	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2'-4'	0.0	0.0	0.0	0.0	0.0	> 100	0.0
4'-6'	-	0.0	-	-	-	2,000+	-
6'-8'	-	0.0	-	-	-	-	-
8'-10'	-	0.0	-	-	-	-	-
10'-12'	-	0.0	-	-	-	-	-

Sample ID	SP-8	SP-9	SP-10	SP-11	SP-12	SP-13	SP-14	SP-15
<i>Unit</i>	<i>ppm</i>							
Depth BEG								
0'-2'	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2'-4'	0.0	-	-	-	-	-	-	-
4'-6'	0.0	-	-	-	-	-	-	-
6'-8'	-	-	-	-	-	-	-	-
8'-10'	-	-	-	-	-	-	-	-
10'-12'	-	-	-	-	-	-	-	-

#### 3.3.1 Headspace Analysis Procedure

Headspace analysis was performed on each of the acquired samples utilizing a portable photo ionization detection meter to measure what, if any, hydrocarbon concentrations were present in isolated portions of the secured samples. Headspace analysis was conducted by partially filling a wide-mouth glass container with sample aliquot and sealing the top with aluminum foil, thereby creating a void. This void is referred to as the sample headspace.

To facilitate the detection of any hydrocarbons contained within the head space, the container was agitated for a period of thirty (30) seconds. The probe of the vapor analyzer was then injected through the foil into the headspace to measure the hydrocarbon concentrations present. A Photovac Micro-Tip, photo ionization detection meter (PID) was the organic vapor analyzer selected for the head space analysis. A PID utilizes the principle of photo ionization for detection and measurement of hydrocarbon compounds. A PID does not respond to all compounds similarly; rather, each compound has its own response factor relative to its calibration. For this investigation, the PID was calibrated to isobutylene. Hydrocarbon relative response factors for a PID calibrated to isobutylene are published by the manufacturer.

### 3.4 Sample Characterization

A visual inspection the soil samples recovered during the installation of each of the soil probes was conducted to identify any gross signs of chemical contamination and to classify the sample media. Color classifications were made in accordance with the Munsell Classification System. Gradation classifications were made in accordance with the Unified Soil Classification System.

In general, the samples obtained from soil probes SP-1 through SP-15 were found to consist of very fine sand, clay, quartz chips, bedrock fragments, and some boggy organic material. Petrochemical odors were noted with the soil sample obtained from SP-6. Bedrock was encountered from soil probes SP-1 through SP-15 ranging from less than two (2) feet BEG to approximately eleven (11) feet BEG.

### 3.5 Laboratory Sample Frequency

The samples secured from soil probes SP-1 through SP-15 were subjected to headspace analysis. The headspace analysis failed to detect any concentrations of hydrocarbons within any of the representative samples, except for SP-6. Accordingly, the deepest samples secured from each probe were selected for laboratory analysis.

The soil samples selected for laboratory analysis were containerized in the appropriate vessels, preserved at 4°C in a cooler and transported under proper chain-of-custody procedures to a NYS-DOH certified commercial laboratory for analysis.

### 3.6 Groundwater Sampling Locations

No groundwater was encountered as part of this assessment due to the presence of bedrock underlying the Site.

## **4 Quality Assurance and Quality Control Procedures (QA/QC)**

The following sampling QA/QC protocol is in accordance with the United States Environmental Protection Agency's (USEPA) accepted sampling procedures for hazardous waste streams [Municipal Research Laboratory, 1980, Sampling and Analysis Procedures for Hazardous Material Waste Streams, Office of Emergency and Remedial Response, Cincinnati, Ohio. EPA-600/280-018] and American Society of Testing and Material's (ASTM's) Sampling Procedures.

### **4.1 Sampling Personnel**

The activities associated with the survey, sampling and analysis plan were performed by or under the auspices of a USEPA Office of Emergency and Remedial Response, Certified Sampler for Hazardous Materials. The sample staff (samplers) possessed a minimum of a B.A. Degree in the Earth, Space or Biological Sciences or a B.S. Degree in Engineering. Samplers had a minimum of one (1) year experience in environmental/geological field work. Additionally, all samplers had received mandatory forty-hour Occupational Safety and Health Administration (OSHA) training on working with potentially hazardous materials and appropriate Hazard Communication Program and "Right-To-Know" training.

### **4.2 Sampling Equipment**

Separate QA/QC measures were implemented for each of the instruments used in the performance of the SAP.

#### *4.2.1 Geoprobe*

Prior to arrival on the Site and between sample locations, the probes were decontaminated by washing them with a detergent (Alconox) and potable water solution and rinsing them with distilled water.

#### *4.2.2 Photo Ionization Detector*

Calibration of the PID was conducted prior to sampling using a span gas of known concentration. The PID was a Photovac Micro-Tip, photo ionization detection meter.

#### *4.2.3 Sample Vessels*

All sample vessels were "level A" certified decontaminated containers supplied by a New York State Certified Commercial Laboratory. Samples analyzed for hydrocarbons were placed in containers with Teflon lined caps. All samples were preserved by cooling them to a temperature of approximately four degrees Celsius.

### 4.3 Sample Documentation

A sample represents physical evidence. An essential part of liability reduction is the proper control of gathered evidence. To establish proper control, the following sample identification and chain-of custody procedures were followed.

#### *4.3.1 Sample Identification*

Sample identification was executed by use of a sample tag, log book and chain-of-custody form. Said documentation provided the following information: 1) the project code; 2) the sample laboratory number; 3) the sample preservation; 4) instrument used for source sample grabs; 5) the composite medium used for source sample grabs; 6) the date the sample was secured from the source media; 7) the time the sample was secured from the source media; and 8) the person who secured the sample from the source media.

#### *4.3.2 Chain-of-Custody Procedures*

Due to the evidential nature of samples, possession was traceable from the time the samples were collected until they were received by the testing laboratory. A sample was considered under custody if it: was in a person's possession; it was in a person's view, after being in possession; if it was in a person's possession and they locked it up; or, it was in a designated secure area. When transferring custody, the individuals relinquishing and receiving the samples signed, dated and noted the time on the Chain-of-Custody Form.

### *4.3.3 Laboratory-Custody Procedures*

A designated sample custodian accepted custody of the shipped samples and verified that the information on the sample tags matched that on the Chain-of-Custody Records. Pertinent information as to shipment, pick-up, courier, etc., were entered in the "remarks" section. The custodian entered the sample tag data into a bound logbook.

The laboratory custodian used the sample tag number, or assigned a unique laboratory number to each sample tag, and assured that all samples were transferred to the proper analyst or stored in the appropriate source area. The laboratory custodian distributed samples to the appropriate analysts. Laboratory personnel were responsible for the care and custody of samples, from the time they were received, until the sample was exhausted or returned to the sample custodian. All identifying data sheets and laboratory records were retained as part of the permanent documentation. Samples received by the laboratory were retained until after analysis and quality assurance checks were completed.

## **5 Laboratory Analysis**

### **5.1 Analytical Test Methods**

The samples were transported to a New York State Certified Commercial Laboratory for analysis. Selection of the analytical test methods was based on the New York State Department of Environmental Conservation Technical and Administrative Guidance Memorandum (TAGM) #4046, Determination of Soil Cleanup Objectives.

The laboratory analysis performed on the subsurface soil samples secured from probes SP-1, SP-2, SP-3, SP-4, SP-5, SP-6, SP-7, SP-8, SP-9, SP-10, SP-11, SP-12, SP-13, SP-14, and SP-15 consisted of United States Environmental Protection Agency (USEPA) Test Method 8260 for target volatile organic analytes, and USEPA Test Method 8270 for target base-neutral semi-volatile organic analytes.

In addition, the laboratory analysis performed on the subsurface soil samples secured from probes SP-1, SP-2, SP-3, SP-11, SP-12, SP-13, SP-14, and SP-15 consisted of USEPA Test Method 6010 for heavy metals.

### **5.2 Analytical Results**

The laboratory analysis performed on the subsurface soil samples secured from probes SP-1, SP-2, SP-3, SP-4, SP-5, SP-11, SP-12, SP-13, SP-14, and SP-15 failed to detect any concentrations of target volatile organic analytes. However, the laboratory analysis performed on the subsurface soil samples secured from probes SP-6, SP-7, SP-8, SP-9 and SP-10 detected concentrations of target volatile organic analytes.

The laboratory analysis performed on the subsurface soil samples secured from probes SP-1, SP-2, SP-4, SP-5, SP-7, SP-9, SP-10, SP-12, SP-13, and SP-15 failed to detect any concentrations of target semi-volatile organic analytes. The laboratory analysis performed on the subsurface soil samples secured from probes SP-3, SP-6, SP-8, SP-11, and SP-14 detected concentrations of several target semi-volatile organic analytes.

The laboratory analysis performed on the subsurface soil samples secured from probes SP-1, SP-2, SP-3, SP-11, SP-12, SP-13, SP-14, and SP-15 detected concentrations of heavy metals.

**Table 2:** Detected Analytes in Soil, *Bronx, New York* presents a summary of the detected concentrations versus the relevant guidance values that apply in New York State. The original laboratory analysis report as prepared by JMS Environmental Services, Inc. is presented in **Appendix A** of this document.

## **6 Evaluation of Results**

A remote sensing survey was performed over portions of the planimetric surface of the Site (1471 West Farms Road) utilizing a GSSI model SIR-2 ground penetrating radar (GPR) system equipped with a 400MHz antenna. The survey was performed to determine if any UST(s) are still present on the Site (1471 West Farms Road - Auto Repair Shop). The analysis of the data collected from the survey failed to identify any subsurface anomalies that were interpreted to represent underground storage tanks.

On January 18, 2007, Impact Environmental installed a total of fifteen (15) soil probes on the Sites. The headspace analysis of the samples secured from said probes failed to detect any concentrations of hydrocarbons above ambient levels, except for SP-6. Additional sample characterization of SP-6 revealed petrochemical odors and staining within the representative sample. One sample was collected from each soil probe for certified laboratory analysis.

The laboratory analysis performed on the subsurface soil samples secured from probes SP-6, SP-7, SP-8, SP-9 and SP-10 detected concentrations of several target volatile organic analytes. The analysis of the soil sample collected from SP-6 detected concentrations of several target volatile organic analytes above the NYSDEC Technical and Administrative Guidance Memorandum (TAGM) #4046, Recommended Soil Cleanup Objectives.

The laboratory analysis performed on the subsurface soil samples secured from probes SP-3, SP-6, SP-8, SP-11 and SP-14 detected concentrations of several target semi-volatile organic analytes. The analysis of the soil samples collected from SP-3 and SP-8 detected concentrations of several semi-target volatile organic analytes above the NYSDEC TAGM #4046, Recommended Soil Cleanup Objectives.

The laboratory analysis performed on the subsurface soil samples secured from probes SP-1, SP-2, SP-3, SP-11, SP-12, SP-13, SP-14, and SP-15 detected several concentrations of heavy metals above the NYSDEC TAGM #4046, Recommended Soil Cleanup Objectives.

## **7 Conclusions**

Based upon this assessment, dated February 1, 2007 Impact Environmental concludes that former on-site activities have impacted the environmental quality of a portion of the site. Specifically, the portion of the site identified as 1471 West Farms Road and 1508 Boone Avenue. The balance of the site has not been impacted from on-site activities.

With respect to the portion of the site identified as 1471 West Farms Road, a former gasoline filling station, gasoline related analytes were identified in subsurface soils in the area of a former underground gasoline storage tank system. During removal of the storage tank system by a licensed contractor in 2003, gasoline contamination was noted in the subsurface soils. The contractor notified the New York State Department of Environmental Conservation and the site was issued a spill number. Based upon the Department's records, the noted impacts were sufficiently remediated as to protect against any human exposure issues, and a "no further action" letter was issued in September, 2003.

Seven soil borings were installed on the 1471 West Farms Road portion of the site under the scope of this investigation. One of the seven borings indicated the presence of similar gasoline related analytes at concentrations consistent with the Department's determination of "no further action". These results do not warrant any immediate remediation, or the need for notification to the New York State Department of Environmental Conservation as they do not pose any exposure threat. However, the impacted soil is considered a regulated waste in the State of New York and is therefore required to be managed in accordance with the State Solid Waste Regulations (6 NYCRR Part 360). This would require that all impacted soil be excavated, handled, transported and disposed of in accordance with a Waste Material Handling Plan.

With respect to the portion of the site identified as 1508 Boone Road, a steel fabrication facility, inorganic metal analytes were found to exist in the subsurface soils at concentrations above regional background levels. However, the concentrations and the homogeneity of the distribution of the analytes suggest that their presence is ubiquitous in the site fill, and not a result of the industrial on-site operations. This type of contamination is typical to urban fill found throughout the New York metropolitan area.

Urban fill is considered a regulated waste in the State of New York and is therefore required to be managed in accordance with the State Solid Waste Regulations. This would require that all impacted soil be excavated, handled, transported and disposed of in accordance with a Waste Material Handling Plan.

## **IMPACT ENVIRONMENTAL**

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Christopher O'Leary  
*Environmental Biologist*

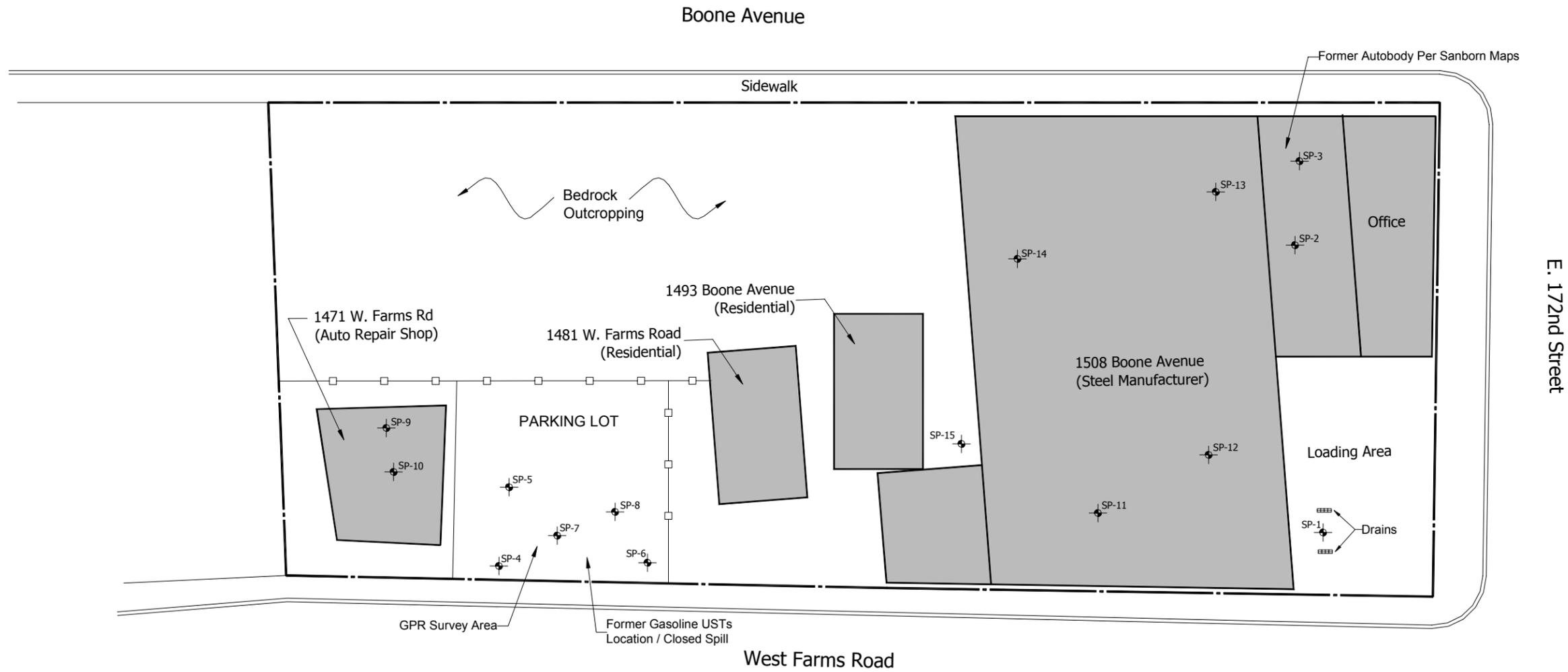
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Kevin Kleaka  
*Project Manager*

Table 2: Detected Analytes in Soil  
Bronx, New York  
07-010.1

Parameter Name	SP-1	SP-2	SP-3	SP-4	SP-5	SP-6	SP-7	SP-8	SP-9	SP-10	SP-11	SP-12	SP-13	SP-14	SP-15	NYSDEC TAGM #4046 Recommended Soil Cleanup Objectives	NYSDEC Background Levels
Sample Depth	[2-3']	[7-8']	[2-3']	[2-3']	[3-4']	[5-6']	[3-4']	[5']	[1-2']	[2-3']	[6-7']	[3-4']	[2-3']	[3-4']	[0-1']		
Unit	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
<b>Volatile Organic Analytes</b>																	
Total Xylenes	<5	<5	<5	<5	<5	<b>17,565</b>	<5	<5	<5	<5	<5	<5	<5	<5	<5	1,200	NA
1,2,4-Trimethylbenzene	<5	<5	<5	<5	<5	<b>14,000</b>	913	129	708	43	25	<5	<5	<5	<5	sum<10,000	NA
1,3,5-Trimethylbenzene	<5	<5	<5	<5	<5	<b>18,500</b>	194	<5	112	<5	<5	<5	<5	<5	<5	3,300	NA
n-Propylbenzene	<5	<5	<5	<5	<5	<b>7,400</b>	191	34	153	<5	<5	<5	<5	<5	<5	3,700	NA
Methylene Chloride	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	100	NA
p-Isopropyltoluene	<5	<5	<5	<5	<5	1,075	26	<5	<5	<5	<5	<5	<5	<5	<5	sum<10,000	NA
Isopropylbenzene	<5	<5	<5	<5	<5	<b>4,800</b>	<5	<5	<5	<5	<5	<5	<5	<5	<5	2,300	NA
Hexachlorobutadiene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	NA
Ethylbenzene	<5	<5	<5	<5	<5	<b>16,300</b>	<5	<5	<5	<5	<5	<5	<5	<5	<5	5,500	NA
sec-Butylbenzene	<5	<5	<5	<5	<5	2,470	<5	<5	<5	<5	<5	<5	<5	<5	<5	sum < 10,000	NA
n-Butylbenzene	<5	<5	<5	<5	<5	<b>8,900</b>	294	<5	174	<5	<5	<5	<5	<5	<5	sum <10,000	NA
Naphthalene	<5	<5	<5	<5	<5	<b>16,200</b>	2,182	378	1,035	92	<5	<5	<5	<5	<5	13,000	NA
<b>Semi-Volatile Organic Analytes</b>																	
Benzo-g,h,i-Perylene	<330	<330	171	<330	<330	<330	<330	132	<330	<330	<330	<330	<330	<330	<330	50,000	NA
Dibenzo-a,h-Anthracene	<330	<330	<b>155</b>	<330	<330	<330	<330	<b>106</b>	<330	<330	<330	<330	<330	<330	<330	14.3 or MDL	NA
Indeno(1,2,3-c,d)Pyrene	<330	<330	209	<330	<330	<330	<330	149	<330	<330	<330	<330	<330	<330	<330	3,200	NA
Benzo-a-Pyrene	<330	<330	<b>85</b>	<330	<330	<330	<330	<b>120</b>	<330	<330	<330	<330	<330	<330	<330	61 or MDL	NA
Benzo-k-Fluoranthene	<330	<330	<b>81</b>	<330	<330	<330	<330	<b>113</b>	<330	<330	<330	<330	<330	<330	<330	220 or MDL	NA
Benzo-b-Fluoroanthene	<330	<330	<b>92</b>	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	220 or MDL	NA
Chrysene	<330	<330	<330	<330	<330	<330	<330	115	<330	<330	<330	<330	<330	<330	<330	400	NA
Pyrene	<330	<330	<330	<330	<330	<330	<330	179	<330	<330	69	<330	<330	89	<330	50,000	NA
Fluoranthene	<330	<330	<330	<330	<330	<330	<330	172	<330	<330	65	<330	<330	<330	<330	50,000	NA
Phenanthrene	<330	<330	<330	<330	<330	<330	<330	125	<330	<330	<330	<330	<330	<330	<330	50,000	NA
Naphthalene	<330	<330	<330	<330	<330	1,876	<330	<330	<330	<330	<330	<330	<330	50	<330	13,000	NA
Unit	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
<b>Heavy Metals</b>																	
Zinc, Zn	<b>87</b>	<b>60</b>	<b>116</b>	NA	NA	NA	NA	NA	NA	NA	<b>131</b>	<b>101</b>	<b>65</b>	<b>76</b>	<b>293</b>	20 or SB	9.0-50
Antimony, Sb	4.09	1.26	4.96	NA	NA	NA	NA	NA	NA	NA	6.67	5.42	2.76	2.24	7.82	SB	NA
Lead, Pb	21	4.72	117	NA	NA	NA	NA	NA	NA	NA	48	12	3.69	23	85	SB	500
Nickel, Ni	21.90	19	15	NA	NA	NA	NA	NA	NA	NA	<b>37</b>	<b>37</b>	21	19	<b>37</b>	13 or SB	0.5-25
Copper, Cu	48	19	28.90	NA	NA	NA	NA	NA	NA	NA	<b>55</b>	<b>52</b>	30	37	<b>71</b>	25 or SB	1.0-50
Chromium, Cr	22.20	19	18.70	NA	NA	NA	NA	NA	NA	NA	32	22.30	15	16.90	38	10 or SB	1.5-40
Cadmium, Cd	<b>1.12</b>	0.73	<b>1.51</b>	NA	NA	NA	NA	NA	NA	NA	<b>1.65</b>	<b>1.40</b>	0.75	0.72	<b>1.75</b>	1 or SB	0.1-1
Beryllium, Be	0.33	0.36	0.73	NA	NA	NA	NA	NA	NA	NA	0.50	0.55	0.26	0.23	0.31	0.16 or SB	0.0-1.75
Arsenic, As	1.09	0.41	2.41	NA	NA	NA	NA	NA	NA	NA	2.28	0.22	<0.05	<0.05	3.14	7.5 or SB	3.0-12
Silver, Ag	<0.05	<0.05	<0.05	NA	NA	NA	NA	NA	NA	NA	<0.05	<0.05	<0.05	0.21	<0.05	SB	NA

Bold values represent concentrations above guidance values  
 ND: Not Detected  
 NA: Not Applicable



**Legend**

⊕ Soil Probe

**Sample Acquisition Map**

**1471, 1481, & 1501 W. Farms Rd and 1493 Boone Ave  
Bronx, New York**

DRAWN BY: CO  
 CHECKED BY: KK  
 DATE: 02/01/2007  
 SCALE: 1" = 35'

PROJECT # 07-010.1

PLATE # 02



**IMPACT ENVIRONMENTAL**

170 KEYLAND COURT  
 BOHEMIA, NEW YORK 11716  
 TEL (631) 269-8800 FAX (631) 269-1599

1560 BROADWAY, SUITE 1024  
 NEW YORK, NEW YORK 10036  
 TEL (212) 201-7905 FAX (212) 201-7906



## **DISCLAIMER FOR PHASE II ENVIRONMENTAL SITE ASSESSMENT**

The observations described in this report were made under the conditions stated therein. The conclusions presented in the report were based solely upon the services described therein, and not on scientific tasks or procedures beyond the scope of described services or the time and budgetary constraints imposed by the Client.

In preparing this report, Impact Environmental may have relied on certain information provided by state and local officials and other parties referenced therein, and on information contained in the files of state and/or local agencies available to Impact Environmental at the time of the Site assessment. Although there may have been some degree of overlap in the information provided by these various sources, Impact Environmental did not attempt to independently verify the accuracy or completeness of all information reviewed or received during the course of this Site assessment.

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

Impact Environmental did not perform testing or analyses to determine the presence or concentration of asbestos at the Site or in the environment of the Site under the scope of the services performed.

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

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

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

The conclusions and recommendations contained in this report are based in part, where noted, upon various types of chemical data and are contingent upon their validity. The data have been reviewed and interpretations were made in the report. As indicated within the report, some of the data may be preliminary "screening" level data, and should be confirmed with quantitative analyses if more specific information is necessary. Moreover, it should be noted that variations in the types and concentrations of contaminants and variations in their flow paths may occur due to seasonal water table fluctuations, past disposal practices, the passage of time, and other factors. Should additional chemical data become available in the future, the data should be reviewed, and the conclusions and recommendations presented herein modified accordingly.

Chemical analyses have been performed for specific constituents during the course of this Site assessment, as described in the text. However, it should be noted that additional chemical constituents not searched for during the current study may be present in soil and/or groundwater at the Site.

**APPENDIX A:**  
**Laboratory Report, JMS Environmental Services, Inc.**  
*Bronx, New York*  
*07-010.1*

# Analytical Report

**Impact Environmental: 07-010.1**

170 Keyland Ct  
Bohemia, NY 11716

Report Date: 1/23/2007

**Impact Environmental: 07-010.1**

**Mailing Information:**

**Name:** Impact Environmental  
**Address:** 170 Keyland Ct

**Collector's Information:**

**Name:** John Herbig  
**Address of site:** West Farms Rd

**JMS ID:** 013068

**City:** Bohemia  
**State:** NY **Zip:** 11716  
**Phone:** (631) 269-8800 **Fax:** (631) 269-1599

**City:** Bronx  
**State:** NY **Zip:**  
**Phone:**

**Sample's Information:** **Sample ID:** SP-1

**Site:** 2-3' **Date Collected:** 1/18/2007 **Date Received:** 1/19/2007  
**Preservative:** **Time Collected:** 12:00:00 PM **Time Received:** 3:30:00 PM  
**Temperature:** **Lab No.:** J0700532  
**Matrix:** Soil

Date Analyzed	Test Name	Result	MCL	Method
01/22/07	Antimony	4.09 ppm	N/A	6010/E200.7
01/22/07	Arsenic	1.09 ppm	N/A	6010/E200.7
01/22/07	Beryllium	0.33 ppm	N/A	6010/E200.7
01/22/07	Cadmium	1.12 ppm	N/A	6010/E200.7
01/22/07	Chromium	22.2 ppm	N/A	6010/E200.7
01/22/07	Copper	48 ppm	N/A	6010/E200.7
01/22/07	Lead	21 ppm	N/A	6010/E200.7
01/22/07	Nickel	21.9 ppm	N/A	6010/E200.7
01/22/07	Selenium	<0.05 ppm	N/A	6010/E200.7
01/22/07	Silver	<0.05 ppm	N/A	6010/E200.7
01/22/07	Thallium	<0.05 ppm	N/A	6010/E200.7
01/22/07	Zinc	87 ppm	N/A	6010/E200.7
01/22/07	Mercury	<0.1 ppm	N/A	7470/E245.1
01/22/07	1,2,4-Trichlorobenzene	<330 ppb		8270
01/22/07	1,2-Dichlorobenzene	<330 ppb		8270
01/22/07	1,3-Dichlorobenzene	<330 ppb		8270
01/22/07	1,4-Dichlorobenzene	<330 ppb		8270
01/22/07	2, methyl-naphthalene	<330 ppb		8270
01/22/07	2,4,5-Trichlorophenol	<330 ppb		8270
01/22/07	2,4,6-Trichlorophenol	<330 ppb		8270
01/22/07	2,4-Dichlorophenol	<330 ppb		8270
01/22/07	2,4-Dimethylphenol	<330 ppb		8270
01/22/07	2,4-Dinitrophenol	<330 ppb		8270
01/22/07	2,4-Dinitrotoluene	<330 ppb		8270
01/22/07	2,6-Dichlorophenol	<330 ppb		8270
01/22/07	2,6-Dinitrotoluene	<330 ppb		8270
01/22/07	2-Chloronaphthalene	<330 ppb		8270
01/22/07	2-Chlorophenol	<330 ppb		8270
01/22/07	2-Methyl-4,6-dinitrophenol	<330 ppb		8270
01/22/07	2-Methylphenol (o-Cresol)	<330 ppb		8270

### Impact Environmental: 07-010.1

**Mailing Information:**

**Name:** Impact Environmental  
**Address:** 170 Keyland Ct

**Collector's Information:**

**Name:** John Herbig  
**Address of site:** West Farms Rd

**JMS ID:** 013068

**City:** Bohemia  
**State:** NY **Zip:** 11716  
**Phone:** (631) 269-8800 **Fax:** (631) 269-1599

**City:** Bronx  
**State:** NY **Zip:**  
**Phone:**

**Sample's Information:** **Sample ID:** SP-1

**Site:** 2-3' **Date Collected:** 1/18/2007 **Date Received:** 1/19/2007  
**Preservative:** **Time Collected:** 12:00:00 PM **Time Received:** 3:30:00 PM  
**Temperature:** **Lab No.:** J0700532  
**Matrix:** Soil

Date Analyzed	Test Name	Result	MCL	Method
01/22/07	2-Nitroaniline	<330 ppb		8270
01/22/07	2-Nitrophenol	<330 ppb		8270
01/22/07	3,3'-Dichlorobenzidine	<330 ppb		8270
01/22/07	3-Nitroaniline	<330 ppb		8270
01/22/07	4-Bromophenyl Phenyl Ether	<330 ppb		8270
01/22/07	4-Chloro-3-Methylphenol	<330 ppb		8270
01/22/07	4-Chloroaniline	<330 ppb		8270
01/22/07	4-Chlorophenyl Phenylether	<330 ppb		8270
01/22/07	4-Methylphenol (p-Cresol)	<330 ppb		8270
01/22/07	4-Nitroaniline	<330 ppb		8270
01/22/07	4-Nitrophenol	<330 ppb		8270
01/22/07	Acenaphthene	<330 ppb		8270
01/22/07	Acenaphthylene	<330 ppb		8270
01/22/07	Aniline	<330 ppb		8270
01/22/07	Anthracene	<330 ppb		8270
01/22/07	Benzidine	<330 ppb		8270
01/22/07	Benzo(a)anthracene	<330 ppb		8270
01/22/07	Benzo(a)pyrene	<330 ppb		8270
01/22/07	Benzo(b)fluoranthene	<330 ppb		8270
01/22/07	Benzo(g,h,i)perylene	<330 ppb		8270
01/22/07	Benzo(k)fluoranthene	<330 ppb		8270
01/22/07	Benzoic Acid	<330 ppb		8270
01/22/07	Benzyl Alcohol	<330 ppb		8270
01/22/07	bis(2-Chloroethoxy)methane	<330 ppb		8270
01/22/07	bis(2-Chloroethyl) ether	<330 ppb		8270
01/22/07	bis(2-Chloroisopropyl) ether	<330 ppb		8270
01/22/07	bis(2-ethylhexyl)phthalate	<330 ppb		8270
01/22/07	Butyl Benzyl Phthalate	<330 ppb		8270
01/22/07	Chrysene	<330 ppb		8270
01/22/07	Dibenz(a,h)anthracene	<330 ppb		8270
01/22/07	Dibenzofuran	<330 ppb		8270

CONNECTICUT, NEW YORK AND NELAC CERTIFIED

**Impact Environmental: 07-010.1**

**Mailing Information:**

**Name:** Impact Environmental  
**Address:** 170 Keyland Ct

**Collector's Information:**

**Name:** John Herbig  
**Address of site:** West Farms Rd

**JMS ID:** 013068

**City:** Bohemia  
**State:** NY **Zip:** 11716  
**Phone:** (631) 269-8800 **Fax:** (631) 269-1599

**City:** Bronx  
**State:** NY **Zip:**  
**Phone:**

**Sample's Information:** **Sample ID:** SP-1

**Site:** 2-3' **Date Collected:** 1/18/2007 **Date Received:** 1/19/2007  
**Preservative:** **Time Collected:** 12:00:00 PM **Time Received:** 3:30:00 PM  
**Temperature:** **Lab No.:** J0700532  
**Matrix:** Soil

Date Analyzed	Test Name	Result	MCL	Method
01/22/07	Diethyl Phthalate	<330 ppb		8270
01/22/07	Dimethyl Phthalate	<330 ppb		8270
01/22/07	Di-N-Butylphthalate	<330 ppb		8270
01/22/07	Di-n-octyl phthalate	<330 ppb		8270
01/22/07	Fluoranthene	<330 ppb		8270
01/22/07	Fluorene	<330 ppb		8270
01/22/07	Hexachlorobenzene	<330 ppb		8270
01/22/07	Hexachlorobutadiene	<330 ppb		8270
01/22/07	Hexachlorocyclopentadiene	<330 ppb		8270
01/22/07	Hexachloroethane	<330 ppb		8270
01/22/07	Indeno(1,2,3-cd)pyrene	<330 ppb		8270
01/22/07	Isophorone	<330 ppb		8270
01/22/07	Naphthalene	<330 ppb		8270
01/22/07	Nitrobenzene	<330 ppb		8270
01/22/07	n-Nitrosodimethylamine	<330 ppb		8270
01/22/07	n-Nitrosodi-n-propylamine	<330 ppb		8270
01/22/07	n-Nitrosodiphenylamine	<330 ppb		8270
01/22/07	Pentachlorophenol	<330 ppb		8270
01/22/07	Phenanthrene	<330 ppb		8270
01/22/07	Phenols	<330 ppb		8270
01/22/07	Pyrene	<330 ppb		8270
01/22/07	Pyridine	<330 ppb		8270
01/22/07	p-Diethylbenzene	<5 ppb		EPA 8260
01/22/07	trans-1,3-Dichloropropene	<5 ppb		EPA 8260
01/22/07	cis-1,3-Dichloropropene	<5 ppb		EPA 8260
01/22/07	Freon 113	<5 ppb		EPA 8260
01/22/07	p-Ethyltoluene	<5 ppb		EPA 8260
01/22/07	4-Methyl-2-pentanone (MIBK)	<5 ppb		EPA 8260
01/22/07	Acrylonitrile	<5 ppb		EPA 8260
01/22/07	1,4-dioxane	<5 ppb		EPA 8260

### Impact Environmental: 07-010.1

**Mailing Information:**

**Name:** Impact Environmental  
**Address:** 170 Keyland Ct

**Collector's Information:**

**Name:** John Herbig  
**Address of site:** West Farms Rd

**JMS ID:** 013068

**City:** Bohemia  
**State:** NY **Zip:** 11716  
**Phone:** (631) 269-8800 **Fax:** (631) 269-1599

**City:** Bronx  
**State:** NY **Zip:**  
**Phone:**

**Sample's Information:** **Sample ID:** SP-1

**Site:** 2-3' **Date Collected:** 1/18/2007 **Date Received:** 1/19/2007  
**Preservative:** **Time Collected:** 12:00:00 PM **Time Received:** 3:30:00 PM  
**Temperature:** **Lab No.:** J0700532  
**Matrix:** Soil

Date Analyzed	Test Name	Result	MCL	Method
01/22/07	tert-Butylbenzene	<5 ppb		EPA 8260
01/22/07	MTBE	<5 ppb		EPA 8260
01/22/07	Xylenes, Total	<5 ppb		EPA 8260
01/22/07	2-Hexanone	<5 ppb		EPA 8260
01/22/07	Vinyl Acetate	<5 ppb		EPA 8260
01/22/07	2-Butanone (MEK)	<5 ppb		EPA 8260
01/22/07	Carbon disulfide	<5 ppb		EPA 8260
01/22/07	Acetone	<5 ppb		EPA 8260
01/22/07	Vinyl chloride	<5 ppb		EPA 8260
01/22/07	1,2,4-Trimethylbenzene	<5 ppb		EPA 8260
01/22/07	1,3,5-Trimethylbenzene	<5 ppb		EPA 8260
01/22/07	1,2,3-Trichloropropane	<5 ppb		EPA 8260
01/22/07	Trichlorofluoromethane	<5 ppb		EPA 8260
01/22/07	Trichloroethene	<5 ppb		EPA 8260
01/22/07	1,1,2-Trichloroethane	<5 ppb		EPA 8260
01/22/07	1,1,1-Trichloroethane	<5 ppb		EPA 8260
01/22/07	1,2,4-Trichlorobenzene	<5 ppb		EPA 8260
01/22/07	1,2,3-Trichlorobenzene	<5 ppb		EPA 8260
01/22/07	Toluene	<5 ppb		EPA 8260
01/22/07	Tetrachloroethene	<5 ppb		EPA 8260
01/22/07	1,1,2,2-Tetrachloroethane	<5 ppb		EPA 8260
01/22/07	1,1,1,2-tetrachloroethane	<5 ppb		EPA 8260
01/22/07	Styrene	<5 ppb		EPA 8260
01/22/07	n-Propylbenzene	<5 ppb		EPA 8260
01/22/07	Methylene Chloride	<5 ppb		EPA 8260
01/22/07	p-Isopropyltoluene	<5 ppb		EPA 8260
01/22/07	Isopropylbenzene	<5 ppb		EPA 8260
01/22/07	Hexachlorobutadiene	<5 ppb		EPA 8260
01/22/07	Ethylbenzene	<5 ppb		EPA 8260
01/22/07	1,1-Dichloropropene	<5 ppb		EPA 8260
01/22/07	2,2-Dichloropropane	<5 ppb		EPA 8260

CONNECTICUT, NEW YORK AND NELAC CERTIFIED

### Impact Environmental: 07-010.1

**Mailing Information:**

**Name:** Impact Environmental  
**Address:** 170 Keyland Ct

**Collector's Information:**

**Name:** John Herbig  
**Address of site:** West Farms Rd

**JMS ID:** 013068

**City:** Bohemia  
**State:** NY **Zip:** 11716  
**Phone:** (631) 269-8800 **Fax:** (631) 269-1599

**City:** Bronx  
**State:** NY **Zip:**  
**Phone:**

**Sample's Information:** **Sample ID:** SP-1

**Site:** 2-3' **Date Collected:** 1/18/2007 **Date Received:** 1/19/2007  
**Preservative:** **Time Collected:** 12:00:00 PM **Time Received:** 3:30:00 PM  
**Temperature:** **Lab No.:** J0700532  
**Matrix:** Soil

Date Analyzed	Test Name	Result	MCL	Method
01/22/07	1,3-Dichloropropane	<5 ppb		EPA 8260
01/22/07	1,2-Dichloropropane	<5 ppb		EPA 8260
01/22/07	trans-1,2-Dichloroethene	<5 ppb		EPA 8260
01/22/07	cis-1,2-Dichloroethene	<5 ppb		EPA 8260
01/22/07	1,1-Dichloroethene	<5 ppb		EPA 8260
01/22/07	1,2-Dichloroethane	<5 ppb		EPA 8260
01/22/07	1,1-Dichloroethane	<5 ppb		EPA 8260
01/22/07	Dichlorodifluoromethane	<5 ppb		EPA 8260
01/22/07	1,4-Dichlorobenzene	<5 ppb		EPA 8260
01/22/07	1,3-Dichlorobenzene	<5 ppb		EPA 8260
01/22/07	1,2-Dichlorobenzene	<5 ppb		EPA 8260
01/22/07	Dibromoethane	<5 ppb		EPA 8260
01/22/07	1,2-Dibromoethane	<5 ppb		EPA 8260
01/22/07	1,2-Dibromo-3-Chloropropane	<5 ppb		EPA 8260
01/22/07	4-Chlorotoluene	<5 ppb		EPA 8260
01/22/07	2-Chlorotoluene	<5 ppb		EPA 8260
01/22/07	Chloromethane	<5 ppb		EPA 8260
01/22/07	Chloroform	<5 ppb		EPA 8260
01/22/07	Chloroethane	<5 ppb		EPA 8260
01/22/07	Chlorodibromomethane	<5 ppb		EPA 8260
01/22/07	Chlorobenzene	<5 ppb		EPA 8260
01/22/07	Carbon tetrachloride	<5 ppb		EPA 8260
01/22/07	sec-Butylbenzene	<5 ppb		EPA 8260
01/22/07	n-Butylbenzene	<5 ppb		EPA 8260
01/22/07	Bromomethane	<5 ppb		EPA 8260
01/22/07	Bromoform	<5 ppb		EPA 8260
01/22/07	Bromodichloromethane	<5 ppb		EPA 8260
01/22/07	Bromochloromethane	<5 ppb		EPA 8260
01/22/07	Bromobenzene	<5 ppb		EPA 8260
01/22/07	Benzene	<5 ppb		EPA 8260
01/22/07	Naphthalene	<5 ppb		EPA 8260

**Impact Environmental: 07-010.1**

**Mailing Information:**

**Name:** Impact Environmental  
**Address:** 170 Keyland Ct

**City:** Bohemia

**State:** NY **Zip:** 11716

**Phone:** (631) 269-8800 **Fax:** (631) 269-1599

**Collector's Information:**

**Name:** John Herbig  
**Address of site:** West Farms Rd

**City:** Bronx

**State:** NY **Zip:**

**Phone:**

**JMS ID:** 013068

**Sample's Information:**

**Sample ID:** SP-1

**Site:** 2-3'

**Date Collected:** 1/18/2007

**Date Received:** 1/19/2007

**Preservative:**

**Time Collected:** 12:00:00 PM

**Time Received:** 3:30:00 PM

**Temperature:**

**Lab No.:** J0700532

**Matrix:** Soil

Date Analyzed	Test Name	Result	MCL	Method
01/22/07	1,2,4,5-tetramethylbenzene	<5 ppb		EPA 8260
01/22/07	1,3-Dichloropropene(cis and tran	<5 ppb		EPA 8260

\*Results below 330ppb fro EPA 8270 are "J" Values.

MCL = Maximum Contaminant Level  
 ppm = parts per million

N/A = Not Applicable

ppb = micrograms

**Signature:** Michael Lapman  
 Michael Lapman  
 President

**Reviewed By:** Sharon Houlahan  
 Sharon Houlahan, Director  
 State #: PH-0218 ELAP #: 11715 Ref Lab: 11301,

### Impact Environmental: 07-010.1

<b>Mailing Information:</b>		<b>Collector's Information:</b>	<b>JMS ID:</b> 013071
<b>Name:</b>	Impact Environmental	<b>Name:</b>	John Herbig
<b>Address:</b>	170 Keyland Ct	<b>Address of site:</b>	West Farms Rd
<b>City:</b>	Bohemia	<b>City:</b>	Bronx
<b>State:</b>	NY	<b>State:</b>	NY
<b>Zip:</b>	11716	<b>Zip:</b>	
<b>Phone:</b>	(631) 269-8800	<b>Fax:</b>	(631) 269-1599
<b>Phone:</b>		<b>Phone:</b>	

<b>Sample's Information:</b>	<b>Sample ID:</b>	SP-2
<b>Site:</b> 7-8'	<b>Date Collected:</b>	1/18/2007
<b>Preservative:</b>	<b>Date Received:</b>	1/19/2007
<b>Temperature:</b>	<b>Time Collected:</b>	12:00:00 PM
<b>Matrix:</b> Soil	<b>Time Received:</b>	3:30:00 PM
	<b>Lab No.:</b>	J0700533

Date Analyzed	Test Name	Result	MCL	Method
01/22/07	Antimony	1.26 ppm	N/A	6010/E200.7
01/22/07	Arsenic	0.41 ppm	N/A	6010/E200.7
01/22/07	Beryllium	0.36 ppm	N/A	6010/E200.7
01/22/07	Cadmium	0.73 ppm	N/A	6010/E200.7
01/22/07	Chromium	19 ppm	N/A	6010/E200.7
01/22/07	Copper	19 ppm	N/A	6010/E200.7
01/22/07	Lead	4.72 ppm	N/A	6010/E200.7
01/22/07	Nickel	19 ppm	N/A	6010/E200.7
01/22/07	Selenium	<0.05 ppm	N/A	6010/E200.7
01/22/07	Silver	<0.05 ppm	N/A	6010/E200.7
01/22/07	Thallium	<0.05 ppm	N/A	6010/E200.7
01/22/07	Zinc	60 ppm	N/A	6010/E200.7
01/22/07	Mercury	<0.1 ppm	N/A	7470/E245.1
01/22/07	1,2,4-Trichlorobenzene	<330 ppb		8270
01/22/07	1,2-Dichlorobenzene	<330 ppb		8270
01/22/07	1,3-Dichlorobenzene	<330 ppb		8270
01/22/07	1,4-Dichlorobenzene	<330 ppb		8270
01/22/07	2, methyl-naphthalene	<330 ppb		8270
01/22/07	2,4,5-Trichlorophenol	<330 ppb		8270
01/22/07	2,4,6-Trichlorophenol	<330 ppb		8270
01/22/07	2,4-Dichlorophenol	<330 ppb		8270
01/22/07	2,4-Dimethylphenol	<330 ppb		8270
01/22/07	2,4-Dinitrophenol	<330 ppb		8270
01/22/07	2,4-Dinitrotoluene	<330 ppb		8270
01/22/07	2,6-Dichlorophenol	<330 ppb		8270
01/22/07	2,6-Dinitrotoluene	<330 ppb		8270
01/22/07	2-Chloronaphthalene	<330 ppb		8270
01/22/07	2-Chlorophenol	<330 ppb		8270
01/22/07	2-Methyl-4,6-dinitrophenol	<330 ppb		8270
01/22/07	2-Methylphenol (o-Cresol)	<330 ppb		8270

### Impact Environmental: 07-010.1

**Mailing Information:**

**Name:** Impact Environmental  
**Address:** 170 Keyland Ct

**Collector's Information:**

**Name:** John Herbig  
**Address of site:** West Farms Rd

**JMS ID:** 013071

**City:** Bohemia  
**State:** NY **Zip:** 11716  
**Phone:** (631) 269-8800 **Fax:** (631) 269-1599

**City:** Bronx  
**State:** NY **Zip:**  
**Phone:**

**Sample's Information:**

**Sample ID:** SP-2

**Site:** 7-8'

**Date Collected:** 1/18/2007

**Date Received:** 1/19/2007

**Preservative:**

**Time Collected:** 12:00:00 PM

**Time Received:** 3:30:00 PM

**Temperature:**

**Lab No.:** J0700533

**Matrix:** Soil

Date Analyzed	Test Name	Result	MCL	Method
01/22/07	2-Nitroaniline	<330 ppb		8270
01/22/07	2-Nitrophenol	<330 ppb		8270
01/22/07	3,3'-Dichlorobenzidine	<330 ppb		8270
01/22/07	3-Nitroaniline	<330 ppb		8270
01/22/07	4-Bromophenyl Phenyl Ether	<330 ppb		8270
01/22/07	4-Chloro-3-Methylphenol	<330 ppb		8270
01/22/07	4-Chloroaniline	<330 ppb		8270
01/22/07	4-Chlorophenyl Phenylether	<330 ppb		8270
01/22/07	4-Methylphenol (p-Cresol)	<330 ppb		8270
01/22/07	4-Nitroaniline	<330 ppb		8270
01/22/07	4-Nitrophenol	<330 ppb		8270
01/22/07	Acenaphthene	<330 ppb		8270
01/22/07	Acenaphthylene	<330 ppb		8270
01/22/07	Aniline	<330 ppb		8270
01/22/07	Anthracene	<330 ppb		8270
01/22/07	Benzidine	<330 ppb		8270
01/22/07	Benzo(a)anthracene	<330 ppb		8270
01/22/07	Benzo(a)pyrene	<330 ppb		8270
01/22/07	Benzo(b)fluoranthene	<330 ppb		8270
01/22/07	Benzo(g,h,i)perylene	<330 ppb		8270
01/22/07	Benzo(k)fluoranthene	<330 ppb		8270
01/22/07	Benzoic Acid	<330 ppb		8270
01/22/07	Benzyl Alcohol	<330 ppb		8270
01/22/07	bis(2-Chloroethoxy)methane	<330 ppb		8270
01/22/07	bis(2-Chloroethyl) ether	<330 ppb		8270
01/22/07	bis(2-Chloroisopropyl) ether	<330 ppb		8270
01/22/07	bis(2-ethylhexyl)phthalate	<330 ppb		8270
01/22/07	Butyl Benzyl Phthalate	<330 ppb		8270
01/22/07	Chrysene	<330 ppb		8270
01/22/07	Dibenz(a,h)anthracene	<330 ppb		8270
01/22/07	Dibenzofuran	<330 ppb		8270

### Impact Environmental: 07-010.1

**Mailing Information:**

**Name:** Impact Environmental  
**Address:** 170 Keyland Ct

**Collector's Information:**

**Name:** John Herbig  
**Address of site:** West Farms Rd

**JMS ID:** 013071

**City:** Bohemia  
**State:** NY **Zip:** 11716  
**Phone:** (631) 269-8800 **Fax:** (631) 269-1599

**City:** Bronx  
**State:** NY **Zip:**  
**Phone:**

**Sample's Information:**

**Sample ID:** SP-2

**Site:** 7-8'

**Date Collected:** 1/18/2007

**Date Received:** 1/19/2007

**Preservative:**

**Time Collected:** 12:00:00 PM

**Time Received:** 3:30:00 PM

**Temperature:**

**Lab No.:** J0700533

**Matrix:** Soil

Date Analyzed	Test Name	Result	MCL	Method
01/22/07	Diethyl Phthalate	<330 ppb		8270
01/22/07	Dimethyl Phthalate	<330 ppb		8270
01/22/07	Di-N-Butylyphthalate	<330 ppb		8270
01/22/07	Di-n-octyl phthalate	<330 ppb		8270
01/22/07	Fluoranthene	55 ppb		8270
01/22/07	Fluorene	<330 ppb		8270
01/22/07	Hexachlorobenzene	<330 ppb		8270
01/22/07	Hexachlorobutadiene	<330 ppb		8270
01/22/07	Hexachlorocyclopentadiene	<330 ppb		8270
01/22/07	Hexachloroethane	<330 ppb		8270
01/22/07	Indeno(1,2,3-cd)pyrene	<330 ppb		8270
01/22/07	Isophorone	<330 ppb		8270
01/22/07	Naphthalene	<330 ppb		8270
01/22/07	Nitrobenzene	<330 ppb		8270
01/22/07	n-Nitrosodimethylamine	<330 ppb		8270
01/22/07	n-Nitrosodi-n-propylamine	<330 ppb		8270
01/22/07	n-Nitrosodiphenylamine	<330 ppb		8270
01/22/07	Pentachlorophenol	<330 ppb		8270
01/22/07	Phenanthrene	<330 ppb		8270
01/22/07	Phenols	<330 ppb		8270
01/22/07	Pyrene	60 ppb		8270
01/22/07	Pyridine	<330 ppb		8270
01/22/07	p-Diethylbenzene	<5 ppb		EPA 8260
01/22/07	trans-1,3-Dichloropropene	<5 ppb		EPA 8260
01/22/07	cis-1,3-Dichloropropene	<5 ppb		EPA 8260
01/22/07	Freon 113	<5 ppb		EPA 8260
01/22/07	p-Ethyltoluene	<5 ppb		EPA 8260
01/22/07	4-Methyl-2-pentanone (MIBK)	<5 ppb		EPA 8260
01/22/07	Acrylonitrile	<5 ppb		EPA 8260
01/22/07	1,4-dioxane	<5 ppb		EPA 8260

### Impact Environmental: 07-010.1

<b>Mailing Information:</b>		<b>Collector's Information:</b>	<b>JMS ID:</b> 013071
<b>Name:</b>	Impact Environmental	<b>Name:</b>	John Herbig
<b>Address:</b>	170 Keyland Ct	<b>Address of site:</b>	West Farms Rd
<b>City:</b>	Bohemia	<b>City:</b>	Bronx
<b>State:</b>	NY	<b>State:</b>	NY
<b>Zip:</b>	11716	<b>Zip:</b>	
<b>Phone:</b>	(631) 269-8800	<b>Fax:</b>	(631) 269-1599
<b>Phone:</b>		<b>Phone:</b>	

<b>Sample's Information:</b>	<b>Sample ID:</b>	SP-2
<b>Site:</b> 7-8'	<b>Date Collected:</b>	1/18/2007
<b>Preservative:</b>	<b>Date Received:</b>	1/19/2007
<b>Temperature:</b>	<b>Time Collected:</b>	12:00:00 PM
<b>Matrix:</b>	<b>Time Received:</b>	3:30:00 PM
Soil	<b>Lab No.:</b>	J0700533

Date Analyzed	Test Name	Result	MCL	Method
01/22/07	tert-Butylbenzene	<5 ppb		EPA 8260
01/22/07	MTBE	<5 ppb		EPA 8260
01/22/07	Xylenes, Total	<5 ppb		EPA 8260
01/22/07	2-Hexanone	<5 ppb		EPA 8260
01/22/07	Vinyl Acetate	<5 ppb		EPA 8260
01/22/07	2-Butanone (MEK)	<5 ppb		EPA 8260
01/22/07	Carbon disulfide	<5 ppb		EPA 8260
01/22/07	Acetone	<5 ppb		EPA 8260
01/22/07	Vinyl chloride	<5 ppb		EPA 8260
01/22/07	1,2,4-Trimethylbenzene	<5 ppb		EPA 8260
01/22/07	1,3,5-Trimethylbenzene	<5 ppb		EPA 8260
01/22/07	1,2,3-Trichloropropane	<5 ppb		EPA 8260
01/22/07	Trichlorofluoromethane	<5 ppb		EPA 8260
01/22/07	Trichloroethene	<5 ppb		EPA 8260
01/22/07	1,1,2-Trichloroethane	<5 ppb		EPA 8260
01/22/07	1,1,1-Trichloroethane	<5 ppb		EPA 8260
01/22/07	1,2,4-Trichlorobenzene	<5 ppb		EPA 8260
01/22/07	1,2,3-Trichlorobenzene	<5 ppb		EPA 8260
01/22/07	Toluene	<5 ppb		EPA 8260
01/22/07	Tetrachloroethene	<5 ppb		EPA 8260
01/22/07	1,1,2,2-Tetrachloroethane	<5 ppb		EPA 8260
01/22/07	1,1,1,2-tetrachloroethane	<5 ppb		EPA 8260
01/22/07	Styrene	<5 ppb		EPA 8260
01/22/07	n-Propylbenzene	<5 ppb		EPA 8260
01/22/07	Methylene Chloride	<5 ppb		EPA 8260
01/22/07	p-Isopropyltoluene	<5 ppb		EPA 8260
01/22/07	Isopropylbenzene	<5 ppb		EPA 8260
01/22/07	Hexachlorobutadiene	<5 ppb		EPA 8260
01/22/07	Ethylbenzene	<5 ppb		EPA 8260
01/22/07	1,1-Dichloropropene	<5 ppb		EPA 8260
01/22/07	2,2-Dichloropropane	<5 ppb		EPA 8260

CONNECTICUT, NEW YORK AND NELAC CERTIFIED

### Impact Environmental: 07-010.1

**Mailing Information:**

**Name:** Impact Environmental  
**Address:** 170 Keyland Ct

**Collector's Information:**

**Name:** John Herbig  
**Address of site:** West Farms Rd

**JMS ID:** 013071

**City:** Bohemia

**State:** NY **Zip:** 11716

**Phone:** (631) 269-8800 **Fax:** (631) 269-1599

**City:** Bronx

**State:** NY **Zip:**

**Phone:**

**Sample's Information:** **Sample ID:** SP-2

**Site:** 7-8' **Date Collected:** 1/18/2007 **Date Received:** 1/19/2007

**Preservative:** **Time Collected:** 12:00:00 PM **Time Received:** 3:30:00 PM

**Temperature:** **Lab No.:** J0700533

**Matrix:** Soil

Date Analyzed	Test Name	Result	MCL	Method
01/22/07	1,3-Dichloropropane	<5 ppb		EPA 8260
01/22/07	1,2-Dichloropropane	<5 ppb		EPA 8260
01/22/07	trans-1,2-Dichloroethene	<5 ppb		EPA 8260
01/22/07	cis-1,2-Dichloroethene	<5 ppb		EPA 8260
01/22/07	1,1-Dichloroethene	<5 ppb		EPA 8260
01/22/07	1,2-Dichloroethane	<5 ppb		EPA 8260
01/22/07	1,1-Dichloroethane	<5 ppb		EPA 8260
01/22/07	Dichlorodifluoromethane	<5 ppb		EPA 8260
01/22/07	1,4-Dichlorobenzene	<5 ppb		EPA 8260
01/22/07	1,3-Dichlorobenzene	<5 ppb		EPA 8260
01/22/07	1,2-Dichlorobenzene	<5 ppb		EPA 8260
01/22/07	Dibromoethane	<5 ppb		EPA 8260
01/22/07	1,2-Dibromoethane	<5 ppb		EPA 8260
01/22/07	1,2-Dibromo-3-Chloropropane	<5 ppb		EPA 8260
01/22/07	4-Chlorotoluene	<5 ppb		EPA 8260
01/22/07	2-Chlorotoluene	<5 ppb		EPA 8260
01/22/07	Chloromethane	<5 ppb		EPA 8260
01/22/07	Chloroform	<5 ppb		EPA 8260
01/22/07	Chloroethane	<5 ppb		EPA 8260
01/22/07	Chlorodibromomethane	<5 ppb		EPA 8260
01/22/07	Chlorobenzene	<5 ppb		EPA 8260
01/22/07	Carbon tetrachloride	<5 ppb		EPA 8260
01/22/07	sec-Butylbenzene	<5 ppb		EPA 8260
01/22/07	n-Butylbenzene	<5 ppb		EPA 8260
01/22/07	Bromomethane	<5 ppb		EPA 8260
01/22/07	Bromoform	<5 ppb		EPA 8260
01/22/07	Bromodichloromethane	<5 ppb		EPA 8260
01/22/07	Bromochloromethane	<5 ppb		EPA 8260
01/22/07	Bromobenzene	<5 ppb		EPA 8260
01/22/07	Benzene	<5 ppb		EPA 8260
01/22/07	Naphthalene	<5 ppb		EPA 8260

**Impact Environmental: 07-010.1**

**Mailing Information:**

**Name:** Impact Environmental  
**Address:** 170 Keyland Ct

**City:** Bohemia  
**State:** NY **Zip:** 11716  
**Phone:** (631) 269-8800 **Fax:** (631) 269-1599

**Collector's Information:**

**Name:** John Herbig  
**Address of site:** West Farms Rd

**City:** Bronx  
**State:** NY **Zip:**  
**Phone:**

**JMS ID:** 013071

**Sample's Information:**

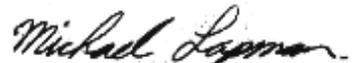
**Sample ID:** SP-2

**Site:** 7-8' **Date Collected:** 1/18/2007 **Date Received:** 1/19/2007  
**Preservative:** **Time Collected:** 12:00:00 PM **Time Received:** 3:30:00 PM  
**Temperature:** **Lab No.:** J0700533  
**Matrix:** Soil

Date Analyzed	Test Name	Result	MCL	Method
01/22/07	1,2,4,5-tetramethylbenzene	<5 ppb		EPA 8260
01/22/07	1,3-Dichloropropene(cis and tran	<5 ppb		EPA 8260

\*Results below 330ppb fro EPA 8270 are "J" Values.

MCL = Maximum Contaminant Level      N/A = Not Applicable      ppb = micrograms  
ppm = parts per million

**Signature:**   
**Michael Lapman**  
**President**

**Reviewed By:**   
**Sharon Houlahan, Director**  
**State #: PH-0218 ELAP #: 11715 Ref Lab: 11301,**

# Analytical Report

**Impact Environmental: 07-010.1**

170 Keyland Ct  
Bohemia, NY 11716

Report Date: 1/23/2007

### Impact Environmental: 07-010.1

**Mailing Information:**

**Name:** Impact Environmental  
**Address:** 170 Keyland Ct

**Collector's Information:**

**Name:** John Herbig  
**Address of site:** West Farms Rd

**JMS ID:** 013073

**City:** Bohemia  
**State:** NY **Zip:** 11716  
**Phone:** (631) 269-8800 **Fax:** (631) 269-1599

**City:** Bronx  
**State:** NY **Zip:**  
**Phone:**

**Sample's Information:**

**Sample ID:** SP-3

**Site:** 2-3'

**Date Collected:** 1/18/2007

**Date Received:** 1/19/2007

**Preservative:**

**Time Collected:** 12:00:00 PM

**Time Received:** 3:30:00 PM

**Temperature:**

**Lab No.:** J0700534

**Matrix:** Soil

Date Analyzed	Test Name	Result	MCL	Method
01/22/07	Antimony	4.96 ppm	N/A	6010/E200.7
01/22/07	Arsenic	2.41 ppm	N/A	6010/E200.7
01/22/07	Beryllium	0.73 ppm	N/A	6010/E200.7
01/22/07	Cadmium	1.51 ppm	N/A	6010/E200.7
01/22/07	Chromium	18.7 ppm	N/A	6010/E200.7
01/22/07	Copper	28.9 ppm	N/A	6010/E200.7
01/22/07	Lead	117 ppm	N/A	6010/E200.7
01/22/07	Nickel	15 ppm	N/A	6010/E200.7
01/22/07	Selenium	<0.05 ppm	N/A	6010/E200.7
01/22/07	Silver	<0.05 ppm	N/A	6010/E200.7
01/22/07	Thallium	<0.05 ppm	N/A	6010/E200.7
01/22/07	Zinc	116 ppm	N/A	6010/E200.7
01/22/07	Mercury	<0.1 ppm	N/A	7470/E245.1
01/22/07	1,2,4-Trichlorobenzene	<330 ppb		8270
01/22/07	1,2-Dichlorobenzene	<330 ppb		8270
01/22/07	1,3-Dichlorobenzene	<330 ppb		8270
01/22/07	1,4-Dichlorobenzene	<330 ppb		8270
01/22/07	2, methyl-naphthalene	<330 ppb		8270
01/22/07	2,4,5-Trichlorophenol	<330 ppb		8270
01/22/07	2,4,6-Trichlorophenol	<330 ppb		8270
01/22/07	2,4-Dichlorophenol	<330 ppb		8270
01/22/07	2,4-Dimethylphenol	<330 ppb		8270
01/22/07	2,4-Dinitrophenol	<330 ppb		8270
01/22/07	2,4-Dinitrotoluene	<330 ppb		8270
01/22/07	2,6-Dichlorophenol	<330 ppb		8270
01/22/07	2,6-Dinitrotoluene	<330 ppb		8270
01/22/07	2-Chloronaphthalene	<330 ppb		8270
01/22/07	2-Chlorophenol	<330 ppb		8270
01/22/07	2-Methyl-4,6-dinitrophenol	<330 ppb		8270
01/22/07	2-Methylphenol (o-Cresol)	<330 ppb		8270

### Impact Environmental: 07-010.1

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**Name:** Impact Environmental  
**Address:** 170 Keyland Ct

**Collector's Information:**

**Name:** John Herbig  
**Address of site:** West Farms Rd

**JMS ID:** 013073

**City:** Bohemia  
**State:** NY **Zip:** 11716  
**Phone:** (631) 269-8800 **Fax:** (631) 269-1599

**City:** Bronx  
**State:** NY **Zip:**  
**Phone:**

**Sample's Information:**

**Sample ID:** SP-3

**Site:** 2-3'

**Date Collected:** 1/18/2007

**Date Received:** 1/19/2007

**Preservative:**

**Time Collected:** 12:00:00 PM

**Time Received:** 3:30:00 PM

**Temperature:**

**Lab No.:** J0700534

**Matrix:** Soil

Date Analyzed	Test Name	Result	MCL	Method
01/22/07	2-Nitroaniline	<330 ppb		8270
01/22/07	2-Nitrophenol	<330 ppb		8270
01/22/07	3,3'-Dichlorobenzidine	<330 ppb		8270
01/22/07	3-Nitroaniline	<330 ppb		8270
01/22/07	4-Bromophenyl Phenyl Ether	<330 ppb		8270
01/22/07	4-Chloro-3-Methylphenol	<330 ppb		8270
01/22/07	4-Chloroaniline	<330 ppb		8270
01/22/07	4-Chlorophenyl Phenylether	<330 ppb		8270
01/22/07	4-Methylphenol (p-Cresol)	<330 ppb		8270
01/22/07	4-Nitroaniline	<330 ppb		8270
01/22/07	4-Nitrophenol	<330 ppb		8270
01/22/07	Acenaphthene	<330 ppb		8270
01/22/07	Acenaphthylene	<330 ppb		8270
01/22/07	Aniline	<330 ppb		8270
01/22/07	Anthracene	<330 ppb		8270
01/22/07	Benzidine	<330 ppb		8270
01/22/07	Benzo(a)anthracene	<330 ppb		8270
01/22/07	Benzo(a)pyrene	85 ppb		8270
01/22/07	Benzo(b)fluoranthene	92 ppb		8270
01/22/07	Benzo(g,h,i)perylene	171 ppb		8270
01/22/07	Benzo(k)fluoranthene	81 ppb		8270
01/22/07	Benzoic Acid	<330 ppb		8270
01/22/07	Benzyl Alcohol	<330 ppb		8270
01/22/07	bis(2-Chloroethoxy)methane	<330 ppb		8270
01/22/07	bis(2-Chloroethyl) ether	<330 ppb		8270
01/22/07	bis(2-Chloroisopropyl) ether	<330 ppb		8270
01/22/07	bis(2-ethylhexyl)phthalate	<330 ppb		8270
01/22/07	Butyl Benzyl Phthalate	<330 ppb		8270
01/22/07	Chrysene	<330 ppb		8270
01/22/07	Dibenz(a,h)anthracene	155 ppb		8270
01/22/07	Dibenzofuran	<330 ppb		8270

CONNECTICUT, NEW YORK AND NELAC CERTIFIED

### Impact Environmental: 07-010.1

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**Address of site:** West Farms Rd

**JMS ID:** 013073

**City:** Bohemia  
**State:** NY **Zip:** 11716  
**Phone:** (631) 269-8800 **Fax:** (631) 269-1599

**City:** Bronx  
**State:** NY **Zip:**  
**Phone:**

**Sample's Information:** **Sample ID:** SP-3

**Site:** 2-3' **Date Collected:** 1/18/2007 **Date Received:** 1/19/2007  
**Preservative:** **Time Collected:** 12:00:00 PM **Time Received:** 3:30:00 PM  
**Temperature:** **Lab No.:** J0700534  
**Matrix:** Soil

Date Analyzed	Test Name	Result	MCL	Method
01/22/07	Diethyl Phthalate	<330 ppb		8270
01/22/07	Dimethyl Phthalate	<330 ppb		8270
01/22/07	Di-N-Butylyphthalate	<330 ppb		8270
01/22/07	Di-n-octyl phthalate	<330 ppb		8270
01/22/07	Fluoranthene	<330 ppb		8270
01/22/07	Fluorene	<330 ppb		8270
01/22/07	Hexachlorobenzene	<330 ppb		8270
01/22/07	Hexachlorobutadiene	<330 ppb		8270
01/22/07	Hexachlorocyclopentadiene	<330 ppb		8270
01/22/07	Hexachloroethane	<330 ppb		8270
01/22/07	Indeno(1,2,3-cd)pyrene	209 ppb		8270
01/22/07	Isophorone	<330 ppb		8270
01/22/07	Naphthalene	<330 ppb		8270
01/22/07	Nitrobenzene	<330 ppb		8270
01/22/07	n-Nitrosodimethylamine	<330 ppb		8270
01/22/07	n-Nitrosodi-n-propylamine	<330 ppb		8270
01/22/07	n-Nitrosodiphenylamine	<330 ppb		8270
01/22/07	Pentachlorophenol	<330 ppb		8270
01/22/07	Phenanthrene	<330 ppb		8270
01/22/07	Phenols	<330 ppb		8270
01/22/07	Pyrene	<330 ppb		8270
01/22/07	Pyridine	<330 ppb		8270
01/22/07	p-Diethylbenzene	<5 ppb		EPA 8260
01/22/07	trans-1,3-Dichloropropene	<5 ppb		EPA 8260
01/22/07	cis-1,3-Dichloropropene	<5 ppb		EPA 8260
01/22/07	Freon 113	<5 ppb		EPA 8260
01/22/07	p-Ethyltoluene	<5 ppb		EPA 8260
01/22/07	4-Methyl-2-pentanone (MIBK)	<5 ppb		EPA 8260
01/22/07	Acrylonitrile	<5 ppb		EPA 8260
01/22/07	1,4-dioxane	<5 ppb		EPA 8260

### Impact Environmental: 07-010.1

**Mailing Information:**

**Name:** Impact Environmental  
**Address:** 170 Keyland Ct

**Collector's Information:**

**Name:** John Herbig  
**Address of site:** West Farms Rd

**JMS ID:** 013073

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**State:** NY **Zip:** 11716  
**Phone:** (631) 269-8800 **Fax:** (631) 269-1599

**City:** Bronx  
**State:** NY **Zip:**  
**Phone:**

**Sample's Information:** **Sample ID:** SP-3

**Site:** 2-3' **Date Collected:** 1/18/2007 **Date Received:** 1/19/2007  
**Preservative:** **Time Collected:** 12:00:00 PM **Time Received:** 3:30:00 PM  
**Temperature:** **Lab No.:** J0700534  
**Matrix:** Soil

Date Analyzed	Test Name	Result	MCL	Method
01/22/07	tert-Butylbenzene	<5 ppb		EPA 8260
01/22/07	MTBE	<5 ppb		EPA 8260
01/22/07	Xylenes, Total	<5 ppb		EPA 8260
01/22/07	2-Hexanone	<5 ppb		EPA 8260
01/22/07	Vinyl Acetate	<5 ppb		EPA 8260
01/22/07	2-Butanone (MEK)	<5 ppb		EPA 8260
01/22/07	Carbon disulfide	<5 ppb		EPA 8260
01/22/07	Acetone	<5 ppb		EPA 8260
01/22/07	Vinyl chloride	<5 ppb		EPA 8260
01/22/07	1,2,4-Trimethylbenzene	<5 ppb		EPA 8260
01/22/07	1,3,5-Trimethylbenzene	<5 ppb		EPA 8260
01/22/07	1,2,3-Trichloropropane	<5 ppb		EPA 8260
01/22/07	Trichlorofluoromethane	<5 ppb		EPA 8260
01/22/07	Trichloroethene	<5 ppb		EPA 8260
01/22/07	1,1,2-Trichloroethane	<5 ppb		EPA 8260
01/22/07	1,1,1-Trichloroethane	<5 ppb		EPA 8260
01/22/07	1,2,4-Trichlorobenzene	<5 ppb		EPA 8260
01/22/07	1,2,3-Trichlorobenzene	<5 ppb		EPA 8260
01/22/07	Toluene	<5 ppb		EPA 8260
01/22/07	Tetrachloroethene	<5 ppb		EPA 8260
01/22/07	1,1,2,2-Tetrachloroethane	<5 ppb		EPA 8260
01/22/07	1,1,1,2-tetrachloroethane	<5 ppb		EPA 8260
01/22/07	Styrene	<5 ppb		EPA 8260
01/22/07	n-Propylbenzene	<5 ppb		EPA 8260
01/22/07	Methylene Chloride	<5 ppb		EPA 8260
01/22/07	p-Isopropyltoluene	<5 ppb		EPA 8260
01/22/07	Isopropylbenzene	<5 ppb		EPA 8260
01/22/07	Hexachlorobutadiene	<5 ppb		EPA 8260
01/22/07	Ethylbenzene	<5 ppb		EPA 8260
01/22/07	1,1-Dichloropropene	<5 ppb		EPA 8260
01/22/07	2,2-Dichloropropane	<5 ppb		EPA 8260

CONNECTICUT, NEW YORK AND NELAC CERTIFIED

**Impact Environmental: 07-010.1**

**Mailing Information:**

**Name:** Impact Environmental  
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**Collector's Information:**

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**City:** Bronx  
**State:** NY **Zip:**  
**Phone:**

**Sample's Information:** **Sample ID:** SP-3

**Site:** 2-3' **Date Collected:** 1/18/2007 **Date Received:** 1/19/2007  
**Preservative:** **Time Collected:** 12:00:00 PM **Time Received:** 3:30:00 PM  
**Temperature:** **Lab No.:** J0700534  
**Matrix:** Soil

Date Analyzed	Test Name	Result	MCL	Method
01/22/07	1,3-Dichloropropane	<5 ppb		EPA 8260
01/22/07	1,2-Dichloropropane	<5 ppb		EPA 8260
01/22/07	trans-1,2-Dichloroethene	<5 ppb		EPA 8260
01/22/07	cis-1,2-Dichloroethene	<5 ppb		EPA 8260
01/22/07	1,1-Dichloroethene	<5 ppb		EPA 8260
01/22/07	1,2-Dichloroethane	<5 ppb		EPA 8260
01/22/07	1,1-Dichloroethane	<5 ppb		EPA 8260
01/22/07	Dichlorodifluoromethane	<5 ppb		EPA 8260
01/22/07	1,4-Dichlorobenzene	<5 ppb		EPA 8260
01/22/07	1,3-Dichlorobenzene	<5 ppb		EPA 8260
01/22/07	1,2-Dichlorobenzene	<5 ppb		EPA 8260
01/22/07	Dibromoethane	<5 ppb		EPA 8260
01/22/07	1,2-Dibromoethane	<5 ppb		EPA 8260
01/22/07	1,2-Dibromo-3-Chloropropane	<5 ppb		EPA 8260
01/22/07	4-Chlorotoluene	<5 ppb		EPA 8260
01/22/07	2-Chlorotoluene	<5 ppb		EPA 8260
01/22/07	Chloromethane	<5 ppb		EPA 8260
01/22/07	Chloroform	<5 ppb		EPA 8260
01/22/07	Chloroethane	<5 ppb		EPA 8260
01/22/07	Chlorodibromomethane	<5 ppb		EPA 8260
01/22/07	Chlorobenzene	<5 ppb		EPA 8260
01/22/07	Carbon tetrachloride	<5 ppb		EPA 8260
01/22/07	sec-Butylbenzene	<5 ppb		EPA 8260
01/22/07	n-Butylbenzene	<5 ppb		EPA 8260
01/22/07	Bromomethane	<5 ppb		EPA 8260
01/22/07	Bromoform	<5 ppb		EPA 8260
01/22/07	Bromodichloromethane	<5 ppb		EPA 8260
01/22/07	Bromochloromethane	<5 ppb		EPA 8260
01/22/07	Bromobenzene	<5 ppb		EPA 8260
01/22/07	Benzene	<5 ppb		EPA 8260
01/22/07	Naphthalene	<5 ppb		EPA 8260

**Impact Environmental: 07-010.1**

**Mailing Information:**

**Name:** Impact Environmental  
**Address:** 170 Keyland Ct

**Collector's Information:**

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**JMS ID:** 013073

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**State:** NY **Zip:** 11716  
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**City:** Bronx  
**State:** NY **Zip:**  
**Phone:**

**Sample's Information:** **Sample ID:** SP-3

**Site:** 2-3' **Date Collected:** 1/18/2007 **Date Received:** 1/19/2007  
**Preservative:** **Time Collected:** 12:00:00 PM **Time Received:** 3:30:00 PM  
**Temperature:** **Lab No.:** J0700534  
**Matrix:** Soil

Date Analyzed	Test Name	Result	MCL	Method
01/22/07	1,2,4,5-tetramethylbenzene	<5 ppb		EPA 8260
01/22/07	1,3-Dichloropropene(cis and tran	<5 ppb		EPA 8260

\*Results below 330ppb fro EPA 8270 are "J" Values.

MCL = Maximum Contaminant Level      N/A = Not Applicable      ppb = micrograms  
 ppm = parts per million

**Signature:** Michael Lapman  
 Michael Lapman  
 President

**Reviewed By:** Sharon Houlahan  
 Sharon Houlahan, Director  
 State #: PH-0218    ELAP #: 11715    Ref Lab: 11301,

### Impact Environmental: 07-010.1

**Mailing Information:**

**Name:** Impact Environmental  
**Address:** 170 Keyland Ct

**Collector's Information:**

**Name:** John Herbig  
**Address of site:** West Farms Rd

**JMS ID:** 013075

**City:** Bohemia

**State:** NY

**Phone:** (631) 269-8800

**Zip:** 11716

**Fax:** (631) 269-1599

**City:** Bronx

**State:** NY

**Phone:**

**Zip:**

**Sample's Information:**

**Sample ID:** SP-4

**Site:** 2-3'

**Date Collected:** 1/18/2007

**Date Received:** 1/19/2007

**Preservative:**

**Time Collected:** 12:00:00 PM

**Time Received:** 3:30:00 PM

**Temperature:**

**Lab No.:** J0700535

**Matrix:** Soil

Date Analyzed	Test Name	Result	Method
01/22/07	1,2,4-Trichlorobenzene	<330 ppb	8270
01/22/07	1,2-Dichlorobenzene	<330 ppb	8270
01/22/07	1,3-Dichlorobenzene	<330 ppb	8270
01/22/07	1,4-Dichlorobenzene	<330 ppb	8270
01/22/07	2, methyl-naphthalene	<330 ppb	8270
01/22/07	2,4,5-Trichlorophenol	<330 ppb	8270
01/22/07	2,4,6-Trichlorophenol	<330 ppb	8270
01/22/07	2,4-Dichlorophenol	<330 ppb	8270
01/22/07	2,4-Dimethylphenol	<330 ppb	8270
01/22/07	2,4-Dinitrophenol	<330 ppb	8270
01/22/07	2,4-Dinitrotoluene	<330 ppb	8270
01/22/07	2,6-Dichlorophenol	<330 ppb	8270
01/22/07	2,6-Dinitrotoluene	<330 ppb	8270
01/22/07	2-Chloronaphthalene	<330 ppb	8270
01/22/07	2-Chlorophenol	<330 ppb	8270
01/22/07	2-Methyl-4,6-dinitrophenol	<330 ppb	8270
01/22/07	2-Methylphenol (o-Cresol)	<330 ppb	8270
01/22/07	2-Nitroaniline	<330 ppb	8270
01/22/07	2-Nitrophenol	<330 ppb	8270
01/22/07	3,3'-Dichlorobenzidine	<330 ppb	8270
01/22/07	3-Nitroaniline	<330 ppb	8270
01/22/07	4-Bromophenyl Phenyl Ether	<330 ppb	8270
01/22/07	4-Chloro-3-Methylphenol	<330 ppb	8270
01/22/07	4-Chloroaniline	<330 ppb	8270
01/22/07	4-Chlorophenyl Phenylether	<330 ppb	8270
01/22/07	4-Methylphenol (p-Cresol)	<330 ppb	8270
01/22/07	4-Nitroaniline	<330 ppb	8270
01/22/07	4-Nitrophenol	<330 ppb	8270
01/22/07	Acenaphthene	<330 ppb	8270
01/22/07	Acenaphthylene	<330 ppb	8270
01/22/07	Aniline	<330 ppb	8270

### Impact Environmental: 07-010.1

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**City:** Bronx  
**State:** NY **Zip:**  
**Phone:**

**Sample's Information:**

**Sample ID:** SP-4

**Site:** 2-3'

**Date Collected:** 1/18/2007

**Date Received:** 1/19/2007

**Preservative:**

**Time Collected:** 12:00:00 PM

**Time Received:** 3:30:00 PM

**Temperature:**

**Lab No.:** J0700535

**Matrix:** Soil

Date Analyzed	Test Name	Result	Method
01/22/07	Anthracene	<330 ppb	8270
01/22/07	Benzidine	<330 ppb	8270
01/22/07	Benzo(a)anthracene	<330 ppb	8270
01/22/07	Benzo(a)pyrene	<330 ppb	8270
01/22/07	Benzo(b)fluoranthene	<330 ppb	8270
01/22/07	Benzo(g,h,i)perylene	<330 ppb	8270
01/22/07	Benzo(k)fluoranthene	<330 ppb	8270
01/22/07	Benzoic Acid	<330 ppb	8270
01/22/07	Benzyl Alcohol	<330 ppb	8270
01/22/07	bis(2-Chloroethoxy)methane	<330 ppb	8270
01/22/07	bis(2-Chloroethyl) ether	<330 ppb	8270
01/22/07	bis(2-Chloroisopropyl) ether	<330 ppb	8270
01/22/07	bis(2-ethylhexyl)phthalate	<330 ppb	8270
01/22/07	Butyl Benzyl Phthalate	<330 ppb	8270
01/22/07	Chrysene	<330 ppb	8270
01/22/07	Dibenz(a,h)anthracene	<330 ppb	8270
01/22/07	Dibenzofuran	<330 ppb	8270
01/22/07	Diethyl Phthalate	<330 ppb	8270
01/22/07	Dimethyl Phthalate	<330 ppb	8270
01/22/07	Di-N-Butylphthalate	<330 ppb	8270
01/22/07	Di-n-octyl phthalate	<330 ppb	8270
01/22/07	Fluoranthene	<330 ppb	8270
01/22/07	Fluorene	<330 ppb	8270
01/22/07	Hexachlorobenzene	<330 ppb	8270
01/22/07	Hexachlorobutadiene	<330 ppb	8270
01/22/07	Hexachlorocyclopentadiene	<330 ppb	8270
01/22/07	Hexachloroethane	<330 ppb	8270
01/22/07	Indeno(1,2,3-cd)pyrene	<330 ppb	8270
01/22/07	Isophorone	<330 ppb	8270
01/22/07	Naphthalene	<330 ppb	8270
01/22/07	Nitrobenzene	<330 ppb	8270

CONNECTICUT, NEW YORK AND NELAC CERTIFIED

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**City:** Bohemia  
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**Phone:** (631) 269-8800 **Fax:** (631) 269-1599

**City:** Bronx  
**State:** NY **Zip:**  
**Phone:**

**Sample's Information:** **Sample ID:** SP-4

**Site:** 2-3' **Date Collected:** 1/18/2007 **Date Received:** 1/19/2007  
**Preservative:** **Time Collected:** 12:00:00 PM **Time Received:** 3:30:00 PM  
**Temperature:** **Lab No.:** J0700535  
**Matrix:** Soil

Date Analyzed	Test Name	Result	Method
01/22/07	n-Nitrosodimethylamine	<330 ppb	8270
01/22/07	n-Nitrosodi-n-propylamine	<330 ppb	8270
01/22/07	n-Nitrosodiphenylamine	<330 ppb	8270
01/22/07	Pentachlorophenol	<330 ppb	8270
01/22/07	Phenanthrene	<330 ppb	8270
01/22/07	Phenols	<330 ppb	8270
01/22/07	Pyrene	<330 ppb	8270
01/22/07	Pyridine	<330 ppb	8270
01/22/07	p-Diethylbenzene	<5 ppb	EPA 8260
01/22/07	trans-1,3-Dichloropropene	<5 ppb	EPA 8260
01/22/07	cis-1,3-Dichloropropene	<5 ppb	EPA 8260
01/22/07	Freon 113	<5 ppb	EPA 8260
01/22/07	p-Ethyltoluene	<5 ppb	EPA 8260
01/22/07	4-Methyl-2-pentanone (MIBK)	<5 ppb	EPA 8260
01/22/07	Acrylonitrile	<5 ppb	EPA 8260
01/22/07	1,4-dioxane	<5 ppb	EPA 8260
01/22/07	tert-Butylbenzene	<5 ppb	EPA 8260
01/22/07	MTBE	<5 ppb	EPA 8260
01/22/07	Xylenes, Total	<5 ppb	EPA 8260
01/22/07	2-Hexanone	<5 ppb	EPA 8260
01/22/07	Vinyl Acetate	<5 ppb	EPA 8260
01/22/07	2-Butanone (MEK)	<5 ppb	EPA 8260
01/22/07	Carbon disulfide	<5 ppb	EPA 8260
01/22/07	Acetone	<5 ppb	EPA 8260
01/22/07	Vinyl chloride	<5 ppb	EPA 8260
01/22/07	1,2,4-Trimethylbenzene	<5 ppb	EPA 8260
01/22/07	1,3,5-Trimethylbenzene	<5 ppb	EPA 8260
01/22/07	1,2,3-Trichloropropane	<5 ppb	EPA 8260
01/22/07	Trichlorofluoromethane	<5 ppb	EPA 8260
01/22/07	Trichloroethene	<5 ppb	EPA 8260

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**City:** Bronx  
**State:** NY **Zip:**  
**Phone:**

**Sample's Information:** **Sample ID:** SP-4

**Site:** 2-3' **Date Collected:** 1/18/2007 **Date Received:** 1/19/2007  
**Preservative:** **Time Collected:** 12:00:00 PM **Time Received:** 3:30:00 PM  
**Temperature:** **Lab No.:** J0700535  
**Matrix:** Soil

Date Analyzed	Test Name	Result	Method
01/22/07	1,1,2-Trichloroethane	<5 ppb	EPA 8260
01/22/07	1,1,1-Trichloroethane	<5 ppb	EPA 8260
01/22/07	1,2,4-Trichlorobenzene	<5 ppb	EPA 8260
01/22/07	1,2,3-Trichlorobenzene	<5 ppb	EPA 8260
01/22/07	Toluene	<5 ppb	EPA 8260
01/22/07	Tetrachloroethene	<5 ppb	EPA 8260
01/22/07	1,1,2,2-Tetrachloroethane	<5 ppb	EPA 8260
01/22/07	1,1,1,2-tetrachloroethane	<5 ppb	EPA 8260
01/22/07	Styrene	<5 ppb	EPA 8260
01/22/07	n-Propylbenzene	<5 ppb	EPA 8260
01/22/07	Methylene Chloride	<5 ppb	EPA 8260
01/22/07	p-Isopropyltoluene	<5 ppb	EPA 8260
01/22/07	Isopropylbenzene	<5 ppb	EPA 8260
01/22/07	Hexachlorobutadiene	<5 ppb	EPA 8260
01/22/07	Ethylbenzene	<5 ppb	EPA 8260
01/22/07	1,1-Dichloropropene	<5 ppb	EPA 8260
01/22/07	2,2-Dichloropropane	<5 ppb	EPA 8260
01/22/07	1,3-Dichloropropane	<5 ppb	EPA 8260
01/22/07	1,2-Dichloropropane	<5 ppb	EPA 8260
01/22/07	trans-1,2-Dichloroethene	<5 ppb	EPA 8260
01/22/07	cis-1,2-Dichloroethene	<5 ppb	EPA 8260
01/22/07	1,1-Dichloroethene	<5 ppb	EPA 8260
01/22/07	1,2-Dichloroethane	<5 ppb	EPA 8260
01/22/07	1,1-Dichloroethane	<5 ppb	EPA 8260
01/22/07	Dichlorodifluoromethane	<5 ppb	EPA 8260
01/22/07	1,4-Dichlorobenzene	<5 ppb	EPA 8260
01/22/07	1,3-Dichlorobenzene	<5 ppb	EPA 8260
01/22/07	1,2-Dichlorobenzene	<5 ppb	EPA 8260
01/22/07	Dibromoethane	<5 ppb	EPA 8260
01/22/07	1,2-Dibromoethane	<5 ppb	EPA 8260
01/22/07	1,2-Dibromo-3-Chloropropane	<5 ppb	EPA 8260

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**Collector's Information:**

**Name:** John Herbig  
**Address of site:** West Farms Rd

**City:** Bronx  
**State:** NY **Zip:**  
**Phone:**

**JMS ID:** 013075

**Sample's Information:**

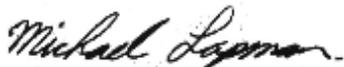
**Sample ID:** SP-4

**Site:** 2-3' **Date Collected:** 1/18/2007 **Date Received:** 1/19/2007  
**Preservative:** **Time Collected:** 12:00:00 PM **Time Received:** 3:30:00 PM  
**Temperature:** **Lab No.:** J0700535  
**Matrix:** Soil

Date Analyzed	Test Name	Result	Method
01/22/07	4-Chlorotoluene	<5 ppb	EPA 8260
01/22/07	2-Chlorotoluene	<5 ppb	EPA 8260
01/22/07	Chloromethane	<5 ppb	EPA 8260
01/22/07	Chloroform	<5 ppb	EPA 8260
01/22/07	Chloroethane	<5 ppb	EPA 8260
01/22/07	Chlorodibromomethane	<5 ppb	EPA 8260
01/22/07	Chlorobenzene	<5 ppb	EPA 8260
01/22/07	Carbon tetrachloride	<5 ppb	EPA 8260
01/22/07	sec-Butylbenzene	<5 ppb	EPA 8260
01/22/07	n-Butylbenzene	<5 ppb	EPA 8260
01/22/07	Bromomethane	<5 ppb	EPA 8260
01/22/07	Bromoform	<5 ppb	EPA 8260
01/22/07	Bromodichloromethane	<5 ppb	EPA 8260
01/22/07	Bromochloromethane	<5 ppb	EPA 8260
01/22/07	Bromobenzene	<5 ppb	EPA 8260
01/22/07	Benzene	<5 ppb	EPA 8260
01/22/07	Naphthalene	<5 ppb	EPA 8260
01/22/07	1,2,4,5-tetramethylbenzene	<5 ppb	EPA 8260
01/22/07	1,3-Dichloropropene(cis and tran	<5 ppb	EPA 8260

\*Results below 330ppb fro EPA 8270 are "J" Values.

ppb = micrograms

**Signature:**   
**Michael Lapman**  
**President**

**Reviewed By:**   
**Sharon Houlahan, Director**  
**State #: PH-0218 ELAP #: 11715 Ref Lab: 11301,**

### Impact Environmental: 07-010.1

**Mailing Information:**

**Name:** Impact Environmental  
**Address:** 170 Keyland Ct

**Collector's Information:**

**Name:** John Herbig  
**Address of site:** West Farms Rd

**JMS ID:** 013076

**City:** Bohemia  
**State:** NY **Zip:** 11716  
**Phone:** (631) 269-8800 **Fax:** (631) 269-1599

**City:** Bronx  
**State:** NY **Zip:**  
**Phone:**

**Sample's Information:**

**Sample ID:** SP-5

**Site:** 3-4'

**Date Collected:** 1/18/2007

**Date Received:** 1/19/2007

**Preservative:**

**Time Collected:** 12:00:00 PM

**Time Received:** 3:30:00 PM

**Temperature:**

**Lab No.:** J0700536

**Matrix:** Soil

Date Analyzed	Test Name	Result	Method
01/22/07	1,2,4-Trichlorobenzene	<330 ppb	8270
01/22/07	1,2-Dichlorobenzene	<330 ppb	8270
01/22/07	1,3-Dichlorobenzene	<330 ppb	8270
01/22/07	1,4-Dichlorobenzene	<330 ppb	8270
01/22/07	2, methyl-naphthalene	<330 ppb	8270
01/22/07	2,4,5-Trichlorophenol	<330 ppb	8270
01/22/07	2,4,6-Trichlorophenol	<330 ppb	8270
01/22/07	2,4-Dichlorophenol	<330 ppb	8270
01/22/07	2,4-Dimethylphenol	<330 ppb	8270
01/22/07	2,4-Dinitrophenol	<330 ppb	8270
01/22/07	2,4-Dinitrotoluene	<330 ppb	8270
01/22/07	2,6-Dichlorophenol	<330 ppb	8270
01/22/07	2,6-Dinitrotoluene	<330 ppb	8270
01/22/07	2-Chloronaphthalene	<330 ppb	8270
01/22/07	2-Chlorophenol	<330 ppb	8270
01/22/07	2-Methyl-4,6-dinitrophenol	<330 ppb	8270
01/22/07	2-Methylphenol (o-Cresol)	<330 ppb	8270
01/22/07	2-Nitroaniline	<330 ppb	8270
01/22/07	2-Nitrophenol	<330 ppb	8270
01/22/07	3,3'-Dichlorobenzidine	<330 ppb	8270
01/22/07	3-Nitroaniline	<330 ppb	8270
01/22/07	4-Bromophenyl Phenyl Ether	<330 ppb	8270
01/22/07	4-Chloro-3-Methylphenol	<330 ppb	8270
01/22/07	4-Chloroaniline	<330 ppb	8270
01/22/07	4-Chlorophenyl Phenylether	<330 ppb	8270
01/22/07	4-Methylphenol (p-Cresol)	<330 ppb	8270
01/22/07	4-Nitroaniline	<330 ppb	8270
01/22/07	4-Nitrophenol	<330 ppb	8270
01/22/07	Acenaphthene	<330 ppb	8270
01/22/07	Acenaphthylene	<330 ppb	8270
01/22/07	Aniline	<330 ppb	8270

### Impact Environmental: 07-010.1

**Mailing Information:**

**Name:** Impact Environmental  
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**Collector's Information:**

**Name:** John Herbig  
**Address of site:** West Farms Rd

**JMS ID:** 013076

**City:** Bohemia  
**State:** NY **Zip:** 11716  
**Phone:** (631) 269-8800 **Fax:** (631) 269-1599

**City:** Bronx  
**State:** NY **Zip:**  
**Phone:**

**Sample's Information:**

**Sample ID:** SP-5

**Site:** 3-4'

**Date Collected:** 1/18/2007

**Date Received:** 1/19/2007

**Preservative:**

**Time Collected:** 12:00:00 PM

**Time Received:** 3:30:00 PM

**Temperature:**

**Lab No.:** J0700536

**Matrix:** Soil

Date Analyzed	Test Name	Result	Method
01/22/07	Anthracene	<330 ppb	8270
01/22/07	Benzidine	<330 ppb	8270
01/22/07	Benzo(a)anthracene	<330 ppb	8270
01/22/07	Benzo(a)pyrene	<330 ppb	8270
01/22/07	Benzo(b)fluoranthene	<330 ppb	8270
01/22/07	Benzo(g,h,i)perylene	<330 ppb	8270
01/22/07	Benzo(k)fluoranthene	<330 ppb	8270
01/22/07	Benzoic Acid	<330 ppb	8270
01/22/07	Benzyl Alcohol	<330 ppb	8270
01/22/07	bis(2-Chloroethoxy)methane	<330 ppb	8270
01/22/07	bis(2-Chloroethyl) ether	<330 ppb	8270
01/22/07	bis(2-Chloroisopropyl) ether	<330 ppb	8270
01/22/07	bis(2-ethylhexyl)phthalate	<330 ppb	8270
01/22/07	Butyl Benzyl Phthalate	<330 ppb	8270
01/22/07	Chrysene	<330 ppb	8270
01/22/07	Dibenz(a,h)anthracene	<330 ppb	8270
01/22/07	Dibenzofuran	<330 ppb	8270
01/22/07	Diethyl Phthalate	<330 ppb	8270
01/22/07	Dimethyl Phthalate	<330 ppb	8270
01/22/07	Di-N-Butylphthalate	<330 ppb	8270
01/22/07	Di-n-octyl phthalate	<330 ppb	8270
01/22/07	Fluoranthene	<330 ppb	8270
01/22/07	Fluorene	<330 ppb	8270
01/22/07	Hexachlorobenzene	<330 ppb	8270
01/22/07	Hexachlorobutadiene	<330 ppb	8270
01/22/07	Hexachlorocyclopentadiene	<330 ppb	8270
01/22/07	Hexachloroethane	<330 ppb	8270
01/22/07	Indeno(1,2,3-cd)pyrene	<330 ppb	8270
01/22/07	Isophorone	<330 ppb	8270
01/22/07	Naphthalene	<330 ppb	8270
01/22/07	Nitrobenzene	<330 ppb	8270

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**City:** Bronx  
**State:** NY **Zip:**  
**Phone:**

**Sample's Information:**

**Sample ID:** SP-5

**Site:** 3-4'

**Date Collected:** 1/18/2007

**Date Received:** 1/19/2007

**Preservative:**

**Time Collected:** 12:00:00 PM

**Time Received:** 3:30:00 PM

**Temperature:**

**Lab No.:** J0700536

**Matrix:** Soil

Date Analyzed	Test Name	Result	Method
01/22/07	n-Nitrosodimethylamine	<330 ppb	8270
01/22/07	n-Nitrosodi-n-propylamine	<330 ppb	8270
01/22/07	n-Nitrosodiphenylamine	<330 ppb	8270
01/22/07	Pentachlorophenol	<330 ppb	8270
01/22/07	Phenanthrene	<330 ppb	8270
01/22/07	Phenols	<330 ppb	8270
01/22/07	Pyrene	<330 ppb	8270
01/22/07	Pyridine	<330 ppb	8270
01/22/07	p-Diethylbenzene	<5 ppb	EPA 8260
01/22/07	trans-1,3-Dichloropropene	<5 ppb	EPA 8260
01/22/07	cis-1,3-Dichloropropene	<5 ppb	EPA 8260
01/22/07	Freon 113	<5 ppb	EPA 8260
01/22/07	p-Ethyltoluene	<5 ppb	EPA 8260
01/22/07	4-Methyl-2-pentanone (MIBK)	<5 ppb	EPA 8260
01/22/07	Acrylonitrile	<5 ppb	EPA 8260
01/22/07	1,4-dioxane	<5 ppb	EPA 8260
01/22/07	tert-Butylbenzene	<5 ppb	EPA 8260
01/22/07	MTBE	<5 ppb	EPA 8260
01/22/07	Xylenes, Total	<5 ppb	EPA 8260
01/22/07	2-Hexanone	<5 ppb	EPA 8260
01/22/07	Vinyl Acetate	<5 ppb	EPA 8260
01/22/07	2-Butanone (MEK)	<5 ppb	EPA 8260
01/22/07	Carbon disulfide	<5 ppb	EPA 8260
01/22/07	Acetone	<5 ppb	EPA 8260
01/22/07	Vinyl chloride	<5 ppb	EPA 8260
01/22/07	1,2,4-Trimethylbenzene	<5 ppb	EPA 8260
01/22/07	1,3,5-Trimethylbenzene	<5 ppb	EPA 8260
01/22/07	1,2,3-Trichloropropane	<5 ppb	EPA 8260
01/22/07	Trichlorofluoromethane	<5 ppb	EPA 8260
01/22/07	Trichloroethene	<5 ppb	EPA 8260

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**City:** Bronx  
**State:** NY **Zip:**  
**Phone:**

**Sample's Information:**

**Sample ID:** SP-5

**Site:** 3-4'

**Date Collected:** 1/18/2007

**Date Received:** 1/19/2007

**Preservative:**

**Time Collected:** 12:00:00 PM

**Time Received:** 3:30:00 PM

**Temperature:**

**Lab No.:** J0700536

**Matrix:** Soil

Date Analyzed	Test Name	Result	Method
01/22/07	1,1,2-Trichloroethane	<5 ppb	EPA 8260
01/22/07	1,1,1-Trichloroethane	<5 ppb	EPA 8260
01/22/07	1,2,4-Trichlorobenzene	<5 ppb	EPA 8260
01/22/07	1,2,3-Trichlorobenzene	<5 ppb	EPA 8260
01/22/07	Toluene	<5 ppb	EPA 8260
01/22/07	Tetrachloroethene	<5 ppb	EPA 8260
01/22/07	1,1,2,2-Tetrachloroethane	<5 ppb	EPA 8260
01/22/07	1,1,1,2-tetrachloroethane	<5 ppb	EPA 8260
01/22/07	Styrene	<5 ppb	EPA 8260
01/22/07	n-Propylbenzene	<5 ppb	EPA 8260
01/22/07	Methylene Chloride	<5 ppb	EPA 8260
01/22/07	p-Isopropyltoluene	<5 ppb	EPA 8260
01/22/07	Isopropylbenzene	<5 ppb	EPA 8260
01/22/07	Hexachlorobutadiene	<5 ppb	EPA 8260
01/22/07	Ethylbenzene	<5 ppb	EPA 8260
01/22/07	1,1-Dichloropropene	<5 ppb	EPA 8260
01/22/07	2,2-Dichloropropane	<5 ppb	EPA 8260
01/22/07	1,3-Dichloropropane	<5 ppb	EPA 8260
01/22/07	1,2-Dichloropropane	<5 ppb	EPA 8260
01/22/07	trans-1,2-Dichloroethene	<5 ppb	EPA 8260
01/22/07	cis-1,2-Dichloroethene	<5 ppb	EPA 8260
01/22/07	1,1-Dichloroethene	<5 ppb	EPA 8260
01/22/07	1,2-Dichloroethane	<5 ppb	EPA 8260
01/22/07	1,1-Dichloroethane	<5 ppb	EPA 8260
01/22/07	Dichlorodifluoromethane	<5 ppb	EPA 8260
01/22/07	1,4-Dichlorobenzene	<5 ppb	EPA 8260
01/22/07	1,3-Dichlorobenzene	<5 ppb	EPA 8260
01/22/07	1,2-Dichlorobenzene	<5 ppb	EPA 8260
01/22/07	Dibromoethane	<5 ppb	EPA 8260
01/22/07	1,2-Dibromoethane	<5 ppb	EPA 8260
01/22/07	1,2-Dibromo-3-Chloropropane	<5 ppb	EPA 8260

### Impact Environmental: 07-010.1

**Mailing Information:**

**Name:** Impact Environmental  
**Address:** 170 Keyland Ct

**City:** Bohemia  
**State:** NY **Zip:** 11716  
**Phone:** (631) 269-8800 **Fax:** (631) 269-1599

**Collector's Information:**

**Name:** John Herbig  
**Address of site:** West Farms Rd

**City:** Bronx  
**State:** NY **Zip:**  
**Phone:**

**JMS ID:** 013076

**Sample's Information:**

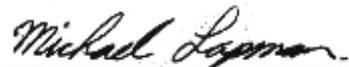
**Sample ID:** SP-5

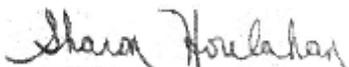
**Site:** 3-4' **Date Collected:** 1/18/2007 **Date Received:** 1/19/2007  
**Preservative:** **Time Collected:** 12:00:00 PM **Time Received:** 3:30:00 PM  
**Temperature:** **Lab No.:** J0700536  
**Matrix:** Soil

Date Analyzed	Test Name	Result	Method
01/22/07	4-Chlorotoluene	<5 ppb	EPA 8260
01/22/07	2-Chlorotoluene	<5 ppb	EPA 8260
01/22/07	Chloromethane	<5 ppb	EPA 8260
01/22/07	Chloroform	<5 ppb	EPA 8260
01/22/07	Chloroethane	<5 ppb	EPA 8260
01/22/07	Chlorodibromomethane	<5 ppb	EPA 8260
01/22/07	Chlorobenzene	<5 ppb	EPA 8260
01/22/07	Carbon tetrachloride	<5 ppb	EPA 8260
01/22/07	sec-Butylbenzene	<5 ppb	EPA 8260
01/22/07	n-Butylbenzene	<5 ppb	EPA 8260
01/22/07	Bromomethane	<5 ppb	EPA 8260
01/22/07	Bromoform	<5 ppb	EPA 8260
01/22/07	Bromodichloromethane	<5 ppb	EPA 8260
01/22/07	Bromochloromethane	<5 ppb	EPA 8260
01/22/07	Bromobenzene	<5 ppb	EPA 8260
01/22/07	Benzene	<5 ppb	EPA 8260
01/22/07	Naphthalene	<5 ppb	EPA 8260
01/22/07	1,2,4,5-tetramethylbenzene	<5 ppb	EPA 8260
01/22/07	1,3-Dichloropropene(cis and tran	<5 ppb	EPA 8260

\*Results below 330ppb fro EPA 8270 are "J" Values.

ppb = micrograms

**Signature:**   
**Michael Lapman**  
**President**

**Reviewed By:**   
**Sharon Houlahan, Director**  
**State #: PH-0218 ELAP #: 11715 Ref Lab: 11301,**

### Impact Environmental: 07-010.1

**Mailing Information:**

**Name:** Impact Environmental  
**Address:** 170 Keyland Ct

**Collector's Information:**

**Name:** John Herbig  
**Address of site:** West Farms Rd

**JMS ID:** 013078

**City:** Bohemia  
**State:** NY **Zip:** 11716  
**Phone:** (631) 269-8800 **Fax:** (631) 269-1599

**City:** Bronx  
**State:** NY **Zip:**  
**Phone:**

**Sample's Information:**

**Sample ID:** SP-6

**Site:** 5-6'

**Date Collected:** 1/18/2007

**Date Received:** 1/19/2007

**Preservative:**

**Time Collected:** 12:00:00 PM

**Time Received:** 3:30:00 PM

**Temperature:**

**Lab No.:** J0700537

**Matrix:** Soil

Date Analyzed	Test Name	Result	Method
01/22/07	1,2,4-Trichlorobenzene	<330 ppb	8270
01/22/07	1,2-Dichlorobenzene	<330 ppb	8270
01/22/07	1,3-Dichlorobenzene	<330 ppb	8270
01/22/07	1,4-Dichlorobenzene	<330 ppb	8270
01/22/07	2, methyl-naphthalene	<330 ppb	8270
01/22/07	2,4,5-Trichlorophenol	<330 ppb	8270
01/22/07	2,4,6-Trichlorophenol	<330 ppb	8270
01/22/07	2,4-Dichlorophenol	<330 ppb	8270
01/22/07	2,4-Dimethylphenol	<330 ppb	8270
01/22/07	2,4-Dinitrophenol	<330 ppb	8270
01/22/07	2,4-Dinitrotoluene	<330 ppb	8270
01/22/07	2,6-Dichlorophenol	<330 ppb	8270
01/22/07	2,6-Dinitrotoluene	<330 ppb	8270
01/22/07	2-Chloronaphthalene	<330 ppb	8270
01/22/07	2-Chlorophenol	<330 ppb	8270
01/22/07	2-Methyl-4,6-dinitrophenol	<330 ppb	8270
01/22/07	2-Methylphenol (o-Cresol)	<330 ppb	8270
01/22/07	2-Nitroaniline	<330 ppb	8270
01/22/07	2-Nitrophenol	<330 ppb	8270
01/22/07	3,3'-Dichlorobenzidine	<330 ppb	8270
01/22/07	3-Nitroaniline	<330 ppb	8270
01/22/07	4-Bromophenyl Phenyl Ether	<330 ppb	8270
01/22/07	4-Chloro-3-Methylphenol	<330 ppb	8270
01/22/07	4-Chloroaniline	<330 ppb	8270
01/22/07	4-Chlorophenyl Phenylether	<330 ppb	8270
01/22/07	4-Methylphenol (p-Cresol)	<330 ppb	8270
01/22/07	4-Nitroaniline	<330 ppb	8270
01/22/07	4-Nitrophenol	<330 ppb	8270
01/22/07	Acenaphthene	<330 ppb	8270
01/22/07	Acenaphthylene	<330 ppb	8270
01/22/07	Aniline	<330 ppb	8270

CONNECTICUT, NEW YORK AND NELAC CERTIFIED

### Impact Environmental: 07-010.1

**Mailing Information:**

**Name:** Impact Environmental  
**Address:** 170 Keyland Ct

**Collector's Information:**

**Name:** John Herbig  
**Address of site:** West Farms Rd

**JMS ID:** 013078

**City:** Bohemia  
**State:** NY **Zip:** 11716  
**Phone:** (631) 269-8800 **Fax:** (631) 269-1599

**City:** Bronx  
**State:** NY **Zip:**  
**Phone:**

**Sample's Information:**

**Sample ID:** SP-6

**Site:** 5-6'

**Date Collected:** 1/18/2007

**Date Received:** 1/19/2007

**Preservative:**

**Time Collected:** 12:00:00 PM

**Time Received:** 3:30:00 PM

**Temperature:**

**Lab No.:** J0700537

**Matrix:** Soil

Date Analyzed	Test Name	Result	Method
01/22/07	Anthracene	<330 ppb	8270
01/22/07	Benzidine	<330 ppb	8270
01/22/07	Benzo(a)anthracene	<330 ppb	8270
01/22/07	Benzo(a)pyrene	<330 ppb	8270
01/22/07	Benzo(b)fluoranthene	<330 ppb	8270
01/22/07	Benzo(g,h,i)perylene	<330 ppb	8270
01/22/07	Benzo(k)fluoranthene	<330 ppb	8270
01/22/07	Benzoic Acid	<330 ppb	8270
01/22/07	Benzyl Alcohol	<330 ppb	8270
01/22/07	bis(2-Chloroethoxy)methane	<330 ppb	8270
01/22/07	bis(2-Chloroethyl) ether	<330 ppb	8270
01/22/07	bis(2-Chloroisopropyl) ether	<330 ppb	8270
01/22/07	bis(2-ethylhexyl)phthalate	<330 ppb	8270
01/22/07	Butyl Benzyl Phthalate	<330 ppb	8270
01/22/07	Chrysene	<330 ppb	8270
01/22/07	Dibenz(a,h)anthracene	<330 ppb	8270
01/22/07	Dibenzofuran	<330 ppb	8270
01/22/07	Diethyl Phthalate	<330 ppb	8270
01/22/07	Dimethyl Phthalate	<330 ppb	8270
01/22/07	Di-N-Butylphthalate	<330 ppb	8270
01/22/07	Di-n-octyl phthalate	<330 ppb	8270
01/22/07	Fluoranthene	<330 ppb	8270
01/22/07	Fluorene	<330 ppb	8270
01/22/07	Hexachlorobenzene	<330 ppb	8270
01/22/07	Hexachlorobutadiene	<330 ppb	8270
01/22/07	Hexachlorocyclopentadiene	<330 ppb	8270
01/22/07	Hexachloroethane	<330 ppb	8270
01/22/07	Indeno(1,2,3-cd)pyrene	<330 ppb	8270
01/22/07	Isophorone	<330 ppb	8270
01/22/07	Naphthalene	1876 ppb	8270
01/22/07	Nitrobenzene	<330 ppb	8270

### Impact Environmental: 07-010.1

**Mailing Information:**

**Name:** Impact Environmental  
**Address:** 170 Keyland Ct

**Collector's Information:**

**Name:** John Herbig  
**Address of site:** West Farms Rd

**JMS ID:** 013078

**City:** Bohemia  
**State:** NY **Zip:** 11716  
**Phone:** (631) 269-8800 **Fax:** (631) 269-1599

**City:** Bronx  
**State:** NY **Zip:**  
**Phone:**

**Sample's Information:**

**Sample ID:** SP-6

**Site:** 5-6'

**Date Collected:** 1/18/2007

**Date Received:** 1/19/2007

**Preservative:**

**Time Collected:** 12:00:00 PM

**Time Received:** 3:30:00 PM

**Temperature:**

**Lab No.:** J0700537

**Matrix:** Soil

Date Analyzed	Test Name	Result	Method
01/22/07	n-Nitrosodimethylamine	<330 ppb	8270
01/22/07	n-Nitrosodi-n-propylamine	<330 ppb	8270
01/22/07	n-Nitrosodiphenylamine	<330 ppb	8270
01/22/07	Pentachlorophenol	<330 ppb	8270
01/22/07	Phenanthrene	<330 ppb	8270
01/22/07	Phenols	<330 ppb	8270
01/22/07	Pyrene	<330 ppb	8270
01/22/07	Pyridine	<330 ppb	8270
01/22/07	p-Diethylbenzene	<5 ppb	EPA 8260
01/22/07	trans-1,3-Dichloropropene	<5 ppb	EPA 8260
01/22/07	cis-1,3-Dichloropropene	<5 ppb	EPA 8260
01/22/07	Freon 113	<5 ppb	EPA 8260
01/22/07	p-Ethyltoluene	<5 ppb	EPA 8260
01/22/07	4-Methyl-2-pentanone (MIBK)	<5 ppb	EPA 8260
01/22/07	Acrylonitrile	<5 ppb	EPA 8260
01/22/07	1,4-dioxane	<5 ppb	EPA 8260
01/22/07	tert-Butylbenzene	<5 ppb	EPA 8260
01/22/07	MTBE	<5 ppb	EPA 8260
01/22/07	Xylenes, Total	17565 ppb	EPA 8260
01/22/07	2-Hexanone	<5 ppb	EPA 8260
01/22/07	Vinyl Acetate	<5 ppb	EPA 8260
01/22/07	2-Butanone (MEK)	<5 ppb	EPA 8260
01/22/07	Carbon disulfide	<5 ppb	EPA 8260
01/22/07	Acetone	<5 ppb	EPA 8260
01/22/07	Vinyl chloride	<5 ppb	EPA 8260
01/22/07	1,2,4-Trimethylbenzene	14000 ppb	EPA 8260
01/22/07	1,3,5-Trimethylbenzene	18500 ppb	EPA 8260
01/22/07	1,2,3-Trichloropropane	<5 ppb	EPA 8260
01/22/07	Trichlorofluoromethane	<5 ppb	EPA 8260
01/22/07	Trichloroethene	<5 ppb	EPA 8260

### Impact Environmental: 07-010.1

**Mailing Information:**

**Name:** Impact Environmental  
**Address:** 170 Keyland Ct

**Collector's Information:**

**Name:** John Herbig  
**Address of site:** West Farms Rd

**JMS ID:** 013078

**City:** Bohemia  
**State:** NY **Zip:** 11716  
**Phone:** (631) 269-8800 **Fax:** (631) 269-1599

**City:** Bronx  
**State:** NY **Zip:**  
**Phone:**

**Sample's Information:**

**Sample ID:** SP-6

**Site:** 5-6' **Date Collected:** 1/18/2007 **Date Received:** 1/19/2007  
**Preservative:** **Time Collected:** 12:00:00 PM **Time Received:** 3:30:00 PM  
**Temperature:** **Lab No.:** J0700537  
**Matrix:** Soil

Date Analyzed	Test Name	Result	Method
01/22/07	1,1,2-Trichloroethane	<5 ppb	EPA 8260
01/22/07	1,1,1-Trichloroethane	<5 ppb	EPA 8260
01/22/07	1,2,4-Trichlorobenzene	<5 ppb	EPA 8260
01/22/07	1,2,3-Trichlorobenzene	<5 ppb	EPA 8260
01/22/07	Toluene	<5 ppb	EPA 8260
01/22/07	Tetrachloroethene	<5 ppb	EPA 8260
01/22/07	1,1,2,2-Tetrachloroethane	<5 ppb	EPA 8260
01/22/07	1,1,1,2-tetrachloroethane	<5 ppb	EPA 8260
01/22/07	Styrene	<5 ppb	EPA 8260
01/22/07	n-Propylbenzene	7400 ppb	EPA 8260
01/22/07	Methylene Chloride	<5 ppb	EPA 8260
01/22/07	p-Isopropyltoluene	1075 ppb	EPA 8260
01/22/07	Isopropylbenzene	4800 ppb	EPA 8260
01/22/07	Hexachlorobutadiene	<5 ppb	EPA 8260
01/22/07	Ethylbenzene	16300 ppb	EPA 8260
01/22/07	1,1-Dichloropropene	<5 ppb	EPA 8260
01/22/07	2,2-Dichloropropane	<5 ppb	EPA 8260
01/22/07	1,3-Dichloropropane	<5 ppb	EPA 8260
01/22/07	1,2-Dichloropropane	<5 ppb	EPA 8260
01/22/07	trans-1,2-Dichloroethene	<5 ppb	EPA 8260
01/22/07	cis-1,2-Dichloroethene	<5 ppb	EPA 8260
01/22/07	1,1-Dichloroethene	<5 ppb	EPA 8260
01/22/07	1,2-Dichloroethane	<5 ppb	EPA 8260
01/22/07	1,1-Dichloroethane	<5 ppb	EPA 8260
01/22/07	Dichlorodifluoromethane	<5 ppb	EPA 8260
01/22/07	1,4-Dichlorobenzene	<5 ppb	EPA 8260
01/22/07	1,3-Dichlorobenzene	<5 ppb	EPA 8260
01/22/07	1,2-Dichlorobenzene	<5 ppb	EPA 8260
01/22/07	Dibromoethane	<5 ppb	EPA 8260
01/22/07	1,2-Dibromoethane	<5 ppb	EPA 8260
01/22/07	1,2-Dibromo-3-Chloropropane	<5 ppb	EPA 8260

### Impact Environmental: 07-010.1

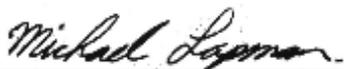
<b>Mailing Information:</b>		<b>Collector's Information:</b>	<b>JMS ID:</b> 013078
<b>Name:</b>	Impact Environmental	<b>Name:</b>	John Herbig
<b>Address:</b>	170 Keyland Ct	<b>Address of site:</b>	West Farms Rd
<b>City:</b>	Bohemia	<b>City:</b>	Bronx
<b>State:</b>	NY	<b>State:</b>	NY
<b>Zip:</b>	11716	<b>Zip:</b>	
<b>Phone:</b>	(631) 269-8800	<b>Fax:</b>	(631) 269-1599
<b>Phone:</b>		<b>Phone:</b>	

<b>Sample's Information:</b>	<b>Sample ID:</b>	SP-6
<b>Site:</b> 5-6'	<b>Date Collected:</b>	1/18/2007
<b>Preservative:</b>	<b>Date Received:</b>	1/19/2007
<b>Temperature:</b>	<b>Time Collected:</b>	12:00:00 PM
<b>Matrix:</b>	<b>Time Received:</b>	3:30:00 PM
	<b>Lab No.:</b>	J0700537

Date Analyzed	Test Name	Result	Method
01/22/07	4-Chlorotoluene	<5 ppb	EPA 8260
01/22/07	2-Chlorotoluene	<5 ppb	EPA 8260
01/22/07	Chloromethane	<5 ppb	EPA 8260
01/22/07	Chloroform	<5 ppb	EPA 8260
01/22/07	Chloroethane	<5 ppb	EPA 8260
01/22/07	Chlorodibromomethane	<5 ppb	EPA 8260
01/22/07	Chlorobenzene	<5 ppb	EPA 8260
01/22/07	Carbon tetrachloride	<5 ppb	EPA 8260
01/22/07	sec-Butylbenzene	2470 ppb	EPA 8260
01/22/07	n-Butylbenzene	8900 ppb	EPA 8260
01/22/07	Bromomethane	<5 ppb	EPA 8260
01/22/07	Bromoform	<5 ppb	EPA 8260
01/22/07	Bromodichloromethane	<5 ppb	EPA 8260
01/22/07	Bromochloromethane	<5 ppb	EPA 8260
01/22/07	Bromobenzene	<5 ppb	EPA 8260
01/22/07	Benzene	<5 ppb	EPA 8260
01/22/07	Naphthalene	16200 ppb	EPA 8260
01/22/07	1,2,4,5-tetramethylbenzene	<5 ppb	EPA 8260
01/22/07	1,3-Dichloropropene(cis and tran	<5 ppb	EPA 8260

\*Results below 330ppb fro EPA 8270 are "J" Values.

ppb = micrograms

<b>Signature:</b> 	<b>Reviewed By:</b> 
<b>Michael Lapman</b> President	<b>Sharon Houlahan, Director</b>
<b>State #: PH-0218</b>	<b>ELAP #: 11715</b>
	<b>Ref Lab: 11301,</b>

### Impact Environmental: 07-010.1

**Mailing Information:**

**Name:** Impact Environmental  
**Address:** 170 Keyland Ct

**Collector's Information:**

**Name:** John Herbig  
**Address of site:** West Farms Rd

**JMS ID:** 013079

**City:** Bohemia  
**State:** NY **Zip:** 11716  
**Phone:** (631) 269-8800 **Fax:** (631) 269-1599

**City:** Bronx  
**State:** NY **Zip:**  
**Phone:**

**Sample's Information:**

**Sample ID:** SP-7

**Site:** 3-4' **Date Collected:** 1/18/2007 **Date Received:** 1/19/2007  
**Preservative:** **Time Collected:** 12:00:00 PM **Time Received:** 3:30:00 PM  
**Temperature:** **Lab No.:** J0700538  
**Matrix:** Soil

Date Analyzed	Test Name	Result	Method
01/22/07	1,2,4-Trichlorobenzene	<330 ppb	8270
01/22/07	1,2-Dichlorobenzene	<330 ppb	8270
01/22/07	1,3-Dichlorobenzene	<330 ppb	8270
01/22/07	1,4-Dichlorobenzene	<330 ppb	8270
01/22/07	2, methyl-naphthalene	<330 ppb	8270
01/22/07	2,4,5-Trichlorophenol	<330 ppb	8270
01/22/07	2,4,6-Trichlorophenol	<330 ppb	8270
01/22/07	2,4-Dichlorophenol	<330 ppb	8270
01/22/07	2,4-Dimethylphenol	<330 ppb	8270
01/22/07	2,4-Dinitrophenol	<330 ppb	8270
01/22/07	2,4-Dinitrotoluene	<330 ppb	8270
01/22/07	2,6-Dichlorophenol	<330 ppb	8270
01/22/07	2,6-Dinitrotoluene	<330 ppb	8270
01/22/07	2-Chloronaphthalene	<330 ppb	8270
01/22/07	2-Chlorophenol	<330 ppb	8270
01/22/07	2-Methyl-4,6-dinitrophenol	<330 ppb	8270
01/22/07	2-Methylphenol (o-Cresol)	<330 ppb	8270
01/22/07	2-Nitroaniline	<330 ppb	8270
01/22/07	2-Nitrophenol	<330 ppb	8270
01/22/07	3,3'-Dichlorobenzidine	<330 ppb	8270
01/22/07	3-Nitroaniline	<330 ppb	8270
01/22/07	4-Bromophenyl Phenyl Ether	<330 ppb	8270
01/22/07	4-Chloro-3-Methylphenol	<330 ppb	8270
01/22/07	4-Chloroaniline	<330 ppb	8270
01/22/07	4-Chlorophenyl Phenylether	<330 ppb	8270
01/22/07	4-Methylphenol (p-Cresol)	<330 ppb	8270
01/22/07	4-Nitroaniline	<330 ppb	8270
01/22/07	4-Nitrophenol	<330 ppb	8270
01/22/07	Acenaphthene	<330 ppb	8270
01/22/07	Acenaphthylene	<330 ppb	8270
01/22/07	Aniline	<330 ppb	8270

CONNECTICUT, NEW YORK AND NELAC CERTIFIED

### Impact Environmental: 07-010.1

**Mailing Information:**

**Name:** Impact Environmental  
**Address:** 170 Keyland Ct

**Collector's Information:**

**Name:** John Herbig  
**Address of site:** West Farms Rd

**JMS ID:** 013079

**City:** Bohemia  
**State:** NY **Zip:** 11716  
**Phone:** (631) 269-8800 **Fax:** (631) 269-1599

**City:** Bronx  
**State:** NY **Zip:**  
**Phone:**

**Sample's Information:**

**Sample ID:** SP-7

**Site:** 3-4'

**Date Collected:** 1/18/2007

**Date Received:** 1/19/2007

**Preservative:**

**Time Collected:** 12:00:00 PM

**Time Received:** 3:30:00 PM

**Temperature:**

**Lab No.:** J0700538

**Matrix:** Soil

Date Analyzed	Test Name	Result	Method
01/22/07	Anthracene	<330 ppb	8270
01/22/07	Benzidine	<330 ppb	8270
01/22/07	Benzo(a)anthracene	<330 ppb	8270
01/22/07	Benzo(a)pyrene	<330 ppb	8270
01/22/07	Benzo(b)fluoranthene	<330 ppb	8270
01/22/07	Benzo(g,h,i)perylene	<330 ppb	8270
01/22/07	Benzo(k)fluoranthene	<330 ppb	8270
01/22/07	Benzoic Acid	<330 ppb	8270
01/22/07	Benzyl Alcohol	<330 ppb	8270
01/22/07	bis(2-Chloroethoxy)methane	<330 ppb	8270
01/22/07	bis(2-Chloroethyl) ether	<330 ppb	8270
01/22/07	bis(2-Chloroisopropyl) ether	<330 ppb	8270
01/22/07	bis(2-ethylhexyl)phthalate	<330 ppb	8270
01/22/07	Butyl Benzyl Phthalate	<330 ppb	8270
01/22/07	Chrysene	<330 ppb	8270
01/22/07	Dibenz(a,h)anthracene	<330 ppb	8270
01/22/07	Dibenzofuran	<330 ppb	8270
01/22/07	Diethyl Phthalate	<330 ppb	8270
01/22/07	Dimethyl Phthalate	<330 ppb	8270
01/22/07	Di-N-Butylphthalate	<330 ppb	8270
01/22/07	Di-n-octyl phthalate	<330 ppb	8270
01/22/07	Fluoranthene	<330 ppb	8270
01/22/07	Fluorene	<330 ppb	8270
01/22/07	Hexachlorobenzene	<330 ppb	8270
01/22/07	Hexachlorobutadiene	<330 ppb	8270
01/22/07	Hexachlorocyclopentadiene	<330 ppb	8270
01/22/07	Hexachloroethane	<330 ppb	8270
01/22/07	Indeno(1,2,3-cd)pyrene	<330 ppb	8270
01/22/07	Isophorone	<330 ppb	8270
01/22/07	Naphthalene	<330 ppb	8270
01/22/07	Nitrobenzene	<330 ppb	8270

### Impact Environmental: 07-010.1

**Mailing Information:**

**Name:** Impact Environmental  
**Address:** 170 Keyland Ct

**Collector's Information:**

**Name:** John Herbig  
**Address of site:** West Farms Rd

**JMS ID:** 013079

**City:** Bohemia  
**State:** NY **Zip:** 11716  
**Phone:** (631) 269-8800 **Fax:** (631) 269-1599

**City:** Bronx  
**State:** NY **Zip:**  
**Phone:**

**Sample's Information:**

**Sample ID:** SP-7

**Site:** 3-4'

**Date Collected:** 1/18/2007

**Date Received:** 1/19/2007

**Preservative:**

**Time Collected:** 12:00:00 PM

**Time Received:** 3:30:00 PM

**Temperature:**

**Lab No.:** J0700538

**Matrix:** Soil

Date Analyzed	Test Name	Result	Method
01/22/07	n-Nitrosodimethylamine	<330 ppb	8270
01/22/07	n-Nitrosodi-n-propylamine	<330 ppb	8270
01/22/07	n-Nitrosodiphenylamine	<330 ppb	8270
01/22/07	Pentachlorophenol	<330 ppb	8270
01/22/07	Phenanthrene	<330 ppb	8270
01/22/07	Phenols	<330 ppb	8270
01/22/07	Pyrene	<330 ppb	8270
01/22/07	Pyridine	<330 ppb	8270
01/22/07	p-Diethylbenzene	<5 ppb	EPA 8260
01/22/07	trans-1,3-Dichloropropene	<5 ppb	EPA 8260
01/22/07	cis-1,3-Dichloropropene	<5 ppb	EPA 8260
01/22/07	Freon 113	<5 ppb	EPA 8260
01/22/07	p-Ethyltoluene	<5 ppb	EPA 8260
01/22/07	4-Methyl-2-pentanone (MIBK)	<5 ppb	EPA 8260
01/22/07	Acrylonitrile	<5 ppb	EPA 8260
01/22/07	1,4-dioxane	<5 ppb	EPA 8260
01/22/07	tert-Butylbenzene	<5 ppb	EPA 8260
01/22/07	MTBE	<5 ppb	EPA 8260
01/22/07	Xylenes, Total	<5 ppb	EPA 8260
01/22/07	2-Hexanone	<5 ppb	EPA 8260
01/22/07	Vinyl Acetate	<5 ppb	EPA 8260
01/22/07	2-Butanone (MEK)	<5 ppb	EPA 8260
01/22/07	Carbon disulfide	<5 ppb	EPA 8260
01/22/07	Acetone	<5 ppb	EPA 8260
01/22/07	Vinyl chloride	<5 ppb	EPA 8260
01/22/07	1,2,4-Trimethylbenzene	913 ppb	EPA 8260
01/22/07	1,3,5-Trimethylbenzene	194 ppb	EPA 8260
01/22/07	1,2,3-Trichloropropane	<5 ppb	EPA 8260
01/22/07	Trichlorofluoromethane	<5 ppb	EPA 8260
01/22/07	Trichloroethene	<5 ppb	EPA 8260

### Impact Environmental: 07-010.1

**Mailing Information:**

**Name:** Impact Environmental  
**Address:** 170 Keyland Ct

**Collector's Information:**

**Name:** John Herbig  
**Address of site:** West Farms Rd

**JMS ID:** 013079

**City:** Bohemia  
**State:** NY **Zip:** 11716  
**Phone:** (631) 269-8800 **Fax:** (631) 269-1599

**City:** Bronx  
**State:** NY **Zip:**  
**Phone:**

**Sample's Information:**

**Sample ID:** SP-7

**Site:** 3-4' **Date Collected:** 1/18/2007 **Date Received:** 1/19/2007  
**Preservative:** **Time Collected:** 12:00:00 PM **Time Received:** 3:30:00 PM  
**Temperature:** **Lab No.:** J0700538  
**Matrix:** Soil

Date Analyzed	Test Name	Result	Method
01/22/07	1,1,2-Trichloroethane	<5 ppb	EPA 8260
01/22/07	1,1,1-Trichloroethane	<5 ppb	EPA 8260
01/22/07	1,2,4-Trichlorobenzene	<5 ppb	EPA 8260
01/22/07	1,2,3-Trichlorobenzene	<5 ppb	EPA 8260
01/22/07	Toluene	<5 ppb	EPA 8260
01/22/07	Tetrachloroethene	<5 ppb	EPA 8260
01/22/07	1,1,2,2-Tetrachloroethane	<5 ppb	EPA 8260
01/22/07	1,1,1,2-tetrachloroethane	<5 ppb	EPA 8260
01/22/07	Styrene	<5 ppb	EPA 8260
01/22/07	n-Propylbenzene	191 ppb	EPA 8260
01/22/07	Methylene Chloride	<5 ppb	EPA 8260
01/22/07	p-Isopropyltoluene	26 ppb	EPA 8260
01/22/07	Isopropylbenzene	<5 ppb	EPA 8260
01/22/07	Hexachlorobutadiene	<5 ppb	EPA 8260
01/22/07	Ethylbenzene	<5 ppb	EPA 8260
01/22/07	1,1-Dichloropropene	<5 ppb	EPA 8260
01/22/07	2,2-Dichloropropane	<5 ppb	EPA 8260
01/22/07	1,3-Dichloropropane	<5 ppb	EPA 8260
01/22/07	1,2-Dichloropropane	<5 ppb	EPA 8260
01/22/07	trans-1,2-Dichloroethene	<5 ppb	EPA 8260
01/22/07	cis-1,2-Dichloroethene	<5 ppb	EPA 8260
01/22/07	1,1-Dichloroethene	<5 ppb	EPA 8260
01/22/07	1,2-Dichloroethane	<5 ppb	EPA 8260
01/22/07	1,1-Dichloroethane	<5 ppb	EPA 8260
01/22/07	Dichlorodifluoromethane	<5 ppb	EPA 8260
01/22/07	1,4-Dichlorobenzene	<5 ppb	EPA 8260
01/22/07	1,3-Dichlorobenzene	<5 ppb	EPA 8260
01/22/07	1,2-Dichlorobenzene	<5 ppb	EPA 8260
01/22/07	Dibromoethane	<5 ppb	EPA 8260
01/22/07	1,2-Dibromoethane	<5 ppb	EPA 8260
01/22/07	1,2-Dibromo-3-Chloropropane	<5 ppb	EPA 8260

### Impact Environmental: 07-010.1

**Mailing Information:**

**Name:** Impact Environmental  
**Address:** 170 Keyland Ct

**City:** Bohemia  
**State:** NY **Zip:** 11716  
**Phone:** (631) 269-8800 **Fax:** (631) 269-1599

**Collector's Information:**

**Name:** John Herbig  
**Address of site:** West Farms Rd

**City:** Bronx  
**State:** NY **Zip:**  
**Phone:**

**JMS ID:** 013079

**Sample's Information:**

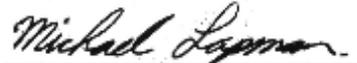
**Sample ID:** SP-7

**Site:** 3-4' **Date Collected:** 1/18/2007 **Date Received:** 1/19/2007  
**Preservative:** **Time Collected:** 12:00:00 PM **Time Received:** 3:30:00 PM  
**Temperature:** **Lab No.:** J0700538  
**Matrix:** Soil

Date Analyzed	Test Name	Result	Method
01/22/07	4-Chlorotoluene	<5 ppb	EPA 8260
01/22/07	2-Chlorotoluene	<5 ppb	EPA 8260
01/22/07	Chloromethane	<5 ppb	EPA 8260
01/22/07	Chloroform	<5 ppb	EPA 8260
01/22/07	Chloroethane	<5 ppb	EPA 8260
01/22/07	Chlorodibromomethane	<5 ppb	EPA 8260
01/22/07	Chlorobenzene	<5 ppb	EPA 8260
01/22/07	Carbon tetrachloride	<5 ppb	EPA 8260
01/22/07	sec-Butylbenzene	<5 ppb	EPA 8260
01/22/07	n-Butylbenzene	294 ppb	EPA 8260
01/22/07	Bromomethane	<5 ppb	EPA 8260
01/22/07	Bromoform	<5 ppb	EPA 8260
01/22/07	Bromodichloromethane	<5 ppb	EPA 8260
01/22/07	Bromochloromethane	<5 ppb	EPA 8260
01/22/07	Bromobenzene	<5 ppb	EPA 8260
01/22/07	Benzene	<5 ppb	EPA 8260
01/22/07	Naphthalene	2182 ppb	EPA 8260
01/22/07	1,2,4,5-tetramethylbenzene	<5 ppb	EPA 8260
01/22/07	1,3-Dichloropropene(cis and tran	<5 ppb	EPA 8260

\*Results below 330ppb fro EPA 8270 are "J" Values.

ppb = micrograms

**Signature:**   
**Michael Lapman**  
**President**

**Reviewed By:**   
**Sharon Houlahan, Director**  
**State #: PH-0218 ELAP #: 11715 Ref Lab: 11301,**

### Impact Environmental: 07-010.1

**Mailing Information:**

**Name:** Impact Environmental  
**Address:** 170 Keyland Ct

**Collector's Information:**

**Name:** John Herbig  
**Address of site:** West Farms Rd

**JMS ID:** 013081

**City:** Bohemia  
**State:** NY **Zip:** 11716  
**Phone:** (631) 269-8800 **Fax:** (631) 269-1599

**City:** Bronx  
**State:** NY **Zip:**  
**Phone:**

**Sample's Information:**

**Sample ID:** SP-8

**Site:** 5'

**Date Collected:** 1/18/2007

**Date Received:** 1/19/2007

**Preservative:**

**Time Collected:** 12:00:00 PM

**Time Received:** 3:30:00 PM

**Temperature:**

**Lab No.:** J0700539

**Matrix:** Soil

Date Analyzed	Test Name	Result	Method
01/22/07	1,2,4-Trichlorobenzene	<330 ppb	8270
01/22/07	1,2-Dichlorobenzene	<330 ppb	8270
01/22/07	1,3-Dichlorobenzene	<330 ppb	8270
01/22/07	1,4-Dichlorobenzene	<330 ppb	8270
01/22/07	2, methyl-naphthalene	<330 ppb	8270
01/22/07	2,4,5-Trichlorophenol	<330 ppb	8270
01/22/07	2,4,6-Trichlorophenol	<330 ppb	8270
01/22/07	2,4-Dichlorophenol	<330 ppb	8270
01/22/07	2,4-Dimethylphenol	<330 ppb	8270
01/22/07	2,4-Dinitrophenol	<330 ppb	8270
01/22/07	2,4-Dinitrotoluene	<330 ppb	8270
01/22/07	2,6-Dichlorophenol	<330 ppb	8270
01/22/07	2,6-Dinitrotoluene	<330 ppb	8270
01/22/07	2-Chloronaphthalene	<330 ppb	8270
01/22/07	2-Chlorophenol	<330 ppb	8270
01/22/07	2-Methyl-4,6-dinitrophenol	<330 ppb	8270
01/22/07	2-Methylphenol (o-Cresol)	<330 ppb	8270
01/22/07	2-Nitroaniline	<330 ppb	8270
01/22/07	2-Nitrophenol	<330 ppb	8270
01/22/07	3,3'-Dichlorobenzidine	<330 ppb	8270
01/22/07	3-Nitroaniline	<330 ppb	8270
01/22/07	4-Bromophenyl Phenyl Ether	<330 ppb	8270
01/22/07	4-Chloro-3-Methylphenol	<330 ppb	8270
01/22/07	4-Chloroaniline	<330 ppb	8270
01/22/07	4-Chlorophenyl Phenylether	<330 ppb	8270
01/22/07	4-Methylphenol (p-Cresol)	<330 ppb	8270
01/22/07	4-Nitroaniline	<330 ppb	8270
01/22/07	4-Nitrophenol	<330 ppb	8270
01/22/07	Acenaphthene	<330 ppb	8270
01/22/07	Acenaphthylene	<330 ppb	8270
01/22/07	Aniline	<330 ppb	8270

CONNECTICUT, NEW YORK AND NELAC CERTIFIED

### Impact Environmental: 07-010.1

**Mailing Information:**

**Name:** Impact Environmental  
**Address:** 170 Keyland Ct

**Collector's Information:**

**Name:** John Herbig  
**Address of site:** West Farms Rd

**JMS ID:** 013081

**City:** Bohemia  
**State:** NY **Zip:** 11716  
**Phone:** (631) 269-8800 **Fax:** (631) 269-1599

**City:** Bronx  
**State:** NY **Zip:**  
**Phone:**

**Sample's Information:**

**Sample ID:** SP-8

**Site:** 5'

**Date Collected:** 1/18/2007

**Date Received:** 1/19/2007

**Preservative:**

**Time Collected:** 12:00:00 PM

**Time Received:** 3:30:00 PM

**Temperature:**

**Lab No.:** J0700539

**Matrix:** Soil

Date Analyzed	Test Name	Result	Method
01/22/07	Anthracene	<330 ppb	8270
01/22/07	Benzidine	<330 ppb	8270
01/22/07	Benzo(a)anthracene	<330 ppb	8270
01/22/07	Benzo(a)pyrene	120 ppb	8270
01/22/07	Benzo(b)fluoranthene	<330 ppb	8270
01/22/07	Benzo(g,h,i)perylene	132 ppb	8270
01/22/07	Benzo(k)fluoranthene	113 ppb	8270
01/22/07	Benzoic Acid	<330 ppb	8270
01/22/07	Benzyl Alcohol	<330 ppb	8270
01/22/07	bis(2-Chloroethoxy)methane	<330 ppb	8270
01/22/07	bis(2-Chloroethyl) ether	<330 ppb	8270
01/22/07	bis(2-Chloroisopropyl) ether	<330 ppb	8270
01/22/07	bis(2-ethylhexyl)phthalate	<330 ppb	8270
01/22/07	Butyl Benzyl Phthalate	<330 ppb	8270
01/22/07	Chrysene	115 ppb	8270
01/22/07	Dibenz(a,h)anthracene	106 ppb	8270
01/22/07	Dibenzofuran	<330 ppb	8270
01/22/07	Diethyl Phthalate	<330 ppb	8270
01/22/07	Dimethyl Phthalate	<330 ppb	8270
01/22/07	Di-N-Butylphthalate	<330 ppb	8270
01/22/07	Di-n-octyl phthalate	<330 ppb	8270
01/22/07	Fluoranthene	172 ppb	8270
01/22/07	Fluorene	<330 ppb	8270
01/22/07	Hexachlorobenzene	<330 ppb	8270
01/22/07	Hexachlorobutadiene	<330 ppb	8270
01/22/07	Hexachlorocyclopentadiene	<330 ppb	8270
01/22/07	Hexachloroethane	<330 ppb	8270
01/22/07	Indeno(1,2,3-cd)pyrene	149 ppb	8270
01/22/07	Isophorone	<330 ppb	8270
01/22/07	Naphthalene	<330 ppb	8270
01/22/07	Nitrobenzene	<330 ppb	8270

### Impact Environmental: 07-010.1

**Mailing Information:**

**Name:** Impact Environmental  
**Address:** 170 Keyland Ct

**Collector's Information:**

**Name:** John Herbig  
**Address of site:** West Farms Rd

**JMS ID:** 013081

**City:** Bohemia  
**State:** NY **Zip:** 11716  
**Phone:** (631) 269-8800 **Fax:** (631) 269-1599

**City:** Bronx  
**State:** NY **Zip:**  
**Phone:**

**Sample's Information:**

**Sample ID:** SP-8

**Site:** 5'

**Date Collected:** 1/18/2007

**Date Received:** 1/19/2007

**Preservative:**

**Time Collected:** 12:00:00 PM

**Time Received:** 3:30:00 PM

**Temperature:**

**Lab No.:** J0700539

**Matrix:** Soil

Date Analyzed	Test Name	Result	Method
01/22/07	n-Nitrosodimethylamine	<330 ppb	8270
01/22/07	n-Nitrosodi-n-propylamine	<330 ppb	8270
01/22/07	n-Nitrosodiphenylamine	<330 ppb	8270
01/22/07	Pentachlorophenol	<330 ppb	8270
01/22/07	Phenanthrene	125 ppb	8270
01/22/07	Phenols	<330 ppb	8270
01/22/07	Pyrene	179 ppb	8270
01/22/07	Pyridine	<330 ppb	8270
01/22/07	p-Diethylbenzene	<5 ppb	EPA 8260
01/22/07	trans-1,3-Dichloropropene	<5 ppb	EPA 8260
01/22/07	cis-1,3-Dichloropropene	<5 ppb	EPA 8260
01/22/07	Freon 113	<5 ppb	EPA 8260
01/22/07	p-Ethyltoluene	<5 ppb	EPA 8260
01/22/07	4-Methyl-2-pentanone (MIBK)	<5 ppb	EPA 8260
01/22/07	Acrylonitrile	<5 ppb	EPA 8260
01/22/07	1,4-dioxane	<5 ppb	EPA 8260
01/22/07	tert-Butylbenzene	<5 ppb	EPA 8260
01/22/07	MTBE	<5 ppb	EPA 8260
01/22/07	Xylenes, Total	<5 ppb	EPA 8260
01/22/07	2-Hexanone	<5 ppb	EPA 8260
01/22/07	Vinyl Acetate	<5 ppb	EPA 8260
01/22/07	2-Butanone (MEK)	<5 ppb	EPA 8260
01/22/07	Carbon disulfide	<5 ppb	EPA 8260
01/22/07	Acetone	<5 ppb	EPA 8260
01/22/07	Vinyl chloride	<5 ppb	EPA 8260
01/22/07	1,2,4-Trimethylbenzene	129 ppb	EPA 8260
01/22/07	1,3,5-Trimethylbenzene	<5 ppb	EPA 8260
01/22/07	1,2,3-Trichloropropane	<5 ppb	EPA 8260
01/22/07	Trichlorofluoromethane	<5 ppb	EPA 8260
01/22/07	Trichloroethene	<5 ppb	EPA 8260

### Impact Environmental: 07-010.1

**Mailing Information:**

**Name:** Impact Environmental  
**Address:** 170 Keyland Ct

**Collector's Information:**

**Name:** John Herbig  
**Address of site:** West Farms Rd

**JMS ID:** 013081

**City:** Bohemia  
**State:** NY **Zip:** 11716  
**Phone:** (631) 269-8800 **Fax:** (631) 269-1599

**City:** Bronx  
**State:** NY **Zip:**  
**Phone:**

**Sample's Information:** **Sample ID:** SP-8

**Site:** 5' **Date Collected:** 1/18/2007 **Date Received:** 1/19/2007  
**Preservative:** **Time Collected:** 12:00:00 PM **Time Received:** 3:30:00 PM  
**Temperature:** **Lab No.:** J0700539  
**Matrix:** Soil

Date Analyzed	Test Name	Result	Method
01/22/07	1,1,2-Trichloroethane	<5 ppb	EPA 8260
01/22/07	1,1,1-Trichloroethane	<5 ppb	EPA 8260
01/22/07	1,2,4-Trichlorobenzene	<5 ppb	EPA 8260
01/22/07	1,2,3-Trichlorobenzene	<5 ppb	EPA 8260
01/22/07	Toluene	<5 ppb	EPA 8260
01/22/07	Tetrachloroethene	<5 ppb	EPA 8260
01/22/07	1,1,2,2-Tetrachloroethane	<5 ppb	EPA 8260
01/22/07	1,1,1,2-tetrachloroethane	<5 ppb	EPA 8260
01/22/07	Styrene	<5 ppb	EPA 8260
01/22/07	n-Propylbenzene	34 ppb	EPA 8260
01/22/07	Methylene Chloride	<5 ppb	EPA 8260
01/22/07	p-Isopropyltoluene	<5 ppb	EPA 8260
01/22/07	Isopropylbenzene	<5 ppb	EPA 8260
01/22/07	Hexachlorobutadiene	<5 ppb	EPA 8260
01/22/07	Ethylbenzene	<5 ppb	EPA 8260
01/22/07	1,1-Dichloropropene	<5 ppb	EPA 8260
01/22/07	2,2-Dichloropropane	<5 ppb	EPA 8260
01/22/07	1,3-Dichloropropane	<5 ppb	EPA 8260
01/22/07	1,2-Dichloropropane	<5 ppb	EPA 8260
01/22/07	trans-1,2-Dichloroethene	<5 ppb	EPA 8260
01/22/07	cis-1,2-Dichloroethene	<5 ppb	EPA 8260
01/22/07	1,1-Dichloroethene	<5 ppb	EPA 8260
01/22/07	1,2-Dichloroethane	<5 ppb	EPA 8260
01/22/07	1,1-Dichloroethane	<5 ppb	EPA 8260
01/22/07	Dichlorodifluoromethane	<5 ppb	EPA 8260
01/22/07	1,4-Dichlorobenzene	<5 ppb	EPA 8260
01/22/07	1,3-Dichlorobenzene	<5 ppb	EPA 8260
01/22/07	1,2-Dichlorobenzene	<5 ppb	EPA 8260
01/22/07	Dibromoethane	<5 ppb	EPA 8260
01/22/07	1,2-Dibromoethane	<5 ppb	EPA 8260
01/22/07	1,2-Dibromo-3-Chloropropane	<5 ppb	EPA 8260

**Impact Environmental: 07-010.1**

**Mailing Information:**

**Name:** Impact Environmental  
**Address:** 170 Keyland Ct

**Collector's Information:**

**Name:** John Herbig  
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**JMS ID:** 013081

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**State:** NY **Zip:** 11716  
**Phone:** (631) 269-8800 **Fax:** (631) 269-1599

**City:** Bronx  
**State:** NY **Zip:**  
**Phone:**

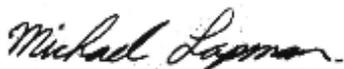
**Sample's Information:** **Sample ID:** SP-8

**Site:** 5' **Date Collected:** 1/18/2007 **Date Received:** 1/19/2007  
**Preservative:** **Time Collected:** 12:00:00 PM **Time Received:** 3:30:00 PM  
**Temperature:** **Lab No.:** J0700539  
**Matrix:** Soil

Date Analyzed	Test Name	Result	Method
01/22/07	4-Chlorotoluene	<5 ppb	EPA 8260
01/22/07	2-Chlorotoluene	<5 ppb	EPA 8260
01/22/07	Chloromethane	<5 ppb	EPA 8260
01/22/07	Chloroform	<5 ppb	EPA 8260
01/22/07	Chloroethane	<5 ppb	EPA 8260
01/22/07	Chlorodibromomethane	<5 ppb	EPA 8260
01/22/07	Chlorobenzene	<5 ppb	EPA 8260
01/22/07	Carbon tetrachloride	<5 ppb	EPA 8260
01/22/07	sec-Butylbenzene	<5 ppb	EPA 8260
01/22/07	n-Butylbenzene	<5 ppb	EPA 8260
01/22/07	Bromomethane	<5 ppb	EPA 8260
01/22/07	Bromoform	<5 ppb	EPA 8260
01/22/07	Bromodichloromethane	<5 ppb	EPA 8260
01/22/07	Bromochloromethane	<5 ppb	EPA 8260
01/22/07	Bromobenzene	<5 ppb	EPA 8260
01/22/07	Benzene	<5 ppb	EPA 8260
01/22/07	Naphthalene	378 ppb	EPA 8260
01/22/07	1,2,4,5-tetramethylbenzene	<5 ppb	EPA 8260
01/22/07	1,3-Dichloropropene(cis and tran	<5 ppb	EPA 8260

\*Results below 330ppb fro EPA 8270 are "J" Values.

ppb = micrograms

**Signature:**   
**Michael Lapman**  
**President**

**Reviewed By:**   
**Sharon Houlahan, Director**  
**State #: PH-0218 ELAP #: 11715 Ref Lab: 11301,**

### Impact Environmental: 07-010.1

**Mailing Information:**

**Name:** Impact Environmental  
**Address:** 170 Keyland Ct

**Collector's Information:**

**Name:** John Herbig  
**Address of site:** West Farms Rd

**JMS ID:** 013082

**City:** Bohemia  
**State:** NY **Zip:** 11716  
**Phone:** (631) 269-8800 **Fax:** (631) 269-1599

**City:** Bronx  
**State:** NY **Zip:**  
**Phone:**

**Sample's Information:**

**Sample ID:** SP-9

**Site:** 1-2' **Date Collected:** 1/18/2007 **Date Received:** 1/19/2007  
**Preservative:** **Time Collected:** 12:00:00 PM **Time Received:** 3:30:00 PM  
**Temperature:** **Lab No.:** J0700540  
**Matrix:** Soil

Date Analyzed	Test Name	Result	Method
01/22/07	1,2,4-Trichlorobenzene	<330 ppb	8270
01/22/07	1,2-Dichlorobenzene	<330 ppb	8270
01/22/07	1,3-Dichlorobenzene	<330 ppb	8270
01/22/07	1,4-Dichlorobenzene	<330 ppb	8270
01/22/07	2, methyl-naphthalene	<330 ppb	8270
01/22/07	2,4,5-Trichlorophenol	<330 ppb	8270
01/22/07	2,4,6-Trichlorophenol	<330 ppb	8270
01/22/07	2,4-Dichlorophenol	<330 ppb	8270
01/22/07	2,4-Dimethylphenol	<330 ppb	8270
01/22/07	2,4-Dinitrophenol	<330 ppb	8270
01/22/07	2,4-Dinitrotoluene	<330 ppb	8270
01/22/07	2,6-Dichlorophenol	<330 ppb	8270
01/22/07	2,6-Dinitrotoluene	<330 ppb	8270
01/22/07	2-Chloronaphthalene	<330 ppb	8270
01/22/07	2-Chlorophenol	<330 ppb	8270
01/22/07	2-Methyl-4,6-dinitrophenol	<330 ppb	8270
01/22/07	2-Methylphenol (o-Cresol)	<330 ppb	8270
01/22/07	2-Nitroaniline	<330 ppb	8270
01/22/07	2-Nitrophenol	<330 ppb	8270
01/22/07	3,3'-Dichlorobenzidine	<330 ppb	8270
01/22/07	3-Nitroaniline	<330 ppb	8270
01/22/07	4-Bromophenyl Phenyl Ether	<330 ppb	8270
01/22/07	4-Chloro-3-Methylphenol	<330 ppb	8270
01/22/07	4-Chloroaniline	<330 ppb	8270
01/22/07	4-Chlorophenyl Phenylether	<330 ppb	8270
01/22/07	4-Methylphenol (p-Cresol)	<330 ppb	8270
01/22/07	4-Nitroaniline	<330 ppb	8270
01/22/07	4-Nitrophenol	<330 ppb	8270
01/22/07	Acenaphthene	<330 ppb	8270
01/22/07	Acenaphthylene	<330 ppb	8270
01/22/07	Aniline	<330 ppb	8270

CONNECTICUT, NEW YORK AND NELAC CERTIFIED

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**City:** Bohemia  
**State:** NY **Zip:** 11716  
**Phone:** (631) 269-8800 **Fax:** (631) 269-1599

**City:** Bronx  
**State:** NY **Zip:**  
**Phone:**

**Sample's Information:**

**Sample ID:** SP-9

**Site:** 1-2'

**Date Collected:** 1/18/2007

**Date Received:** 1/19/2007

**Preservative:**

**Time Collected:** 12:00:00 PM

**Time Received:** 3:30:00 PM

**Temperature:**

**Lab No.:** J0700540

**Matrix:** Soil

Date Analyzed	Test Name	Result	Method
01/22/07	Anthracene	<330 ppb	8270
01/22/07	Benzidine	<330 ppb	8270
01/22/07	Benzo(a)anthracene	<330 ppb	8270
01/22/07	Benzo(a)pyrene	<330 ppb	8270
01/22/07	Benzo(b)fluoranthene	<330 ppb	8270
01/22/07	Benzo(g,h,i)perylene	<330 ppb	8270
01/22/07	Benzo(k)fluoranthene	<330 ppb	8270
01/22/07	Benzoic Acid	<330 ppb	8270
01/22/07	Benzyl Alcohol	<330 ppb	8270
01/22/07	bis(2-Chloroethoxy)methane	<330 ppb	8270
01/22/07	bis(2-Chloroethyl) ether	<330 ppb	8270
01/22/07	bis(2-Chloroisopropyl) ether	<330 ppb	8270
01/22/07	bis(2-ethylhexyl)phthalate	<330 ppb	8270
01/22/07	Butyl Benzyl Phthalate	<330 ppb	8270
01/22/07	Chrysene	<330 ppb	8270
01/22/07	Dibenz(a,h)anthracene	<330 ppb	8270
01/22/07	Dibenzofuran	<330 ppb	8270
01/22/07	Diethyl Phthalate	<330 ppb	8270
01/22/07	Dimethyl Phthalate	<330 ppb	8270
01/22/07	Di-N-Butylphthalate	<330 ppb	8270
01/22/07	Di-n-octyl phthalate	<330 ppb	8270
01/22/07	Fluoranthene	<330 ppb	8270
01/22/07	Fluorene	<330 ppb	8270
01/22/07	Hexachlorobenzene	<330 ppb	8270
01/22/07	Hexachlorobutadiene	<330 ppb	8270
01/22/07	Hexachlorocyclopentadiene	<330 ppb	8270
01/22/07	Hexachloroethane	<330 ppb	8270
01/22/07	Indeno(1,2,3-cd)pyrene	<330 ppb	8270
01/22/07	Isophorone	<330 ppb	8270
01/22/07	Naphthalene	<330 ppb	8270
01/22/07	Nitrobenzene	<330 ppb	8270

### Impact Environmental: 07-010.1

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**City:** Bronx  
**State:** NY **Zip:**  
**Phone:**

**Sample's Information:**

**Sample ID:** SP-9

**Site:** 1-2' **Date Collected:** 1/18/2007 **Date Received:** 1/19/2007  
**Preservative:** **Time Collected:** 12:00:00 PM **Time Received:** 3:30:00 PM  
**Temperature:** **Lab No.:** J0700540  
**Matrix:** Soil

Date Analyzed	Test Name	Result	Method
01/22/07	n-Nitrosodimethylamine	<330 ppb	8270
01/22/07	n-Nitrosodi-n-propylamine	<330 ppb	8270
01/22/07	n-Nitrosodiphenylamine	<330 ppb	8270
01/22/07	Pentachlorophenol	<330 ppb	8270
01/22/07	Phenanthrene	<330 ppb	8270
01/22/07	Phenols	<330 ppb	8270
01/22/07	Pyrene	<330 ppb	8270
01/22/07	Pyridine	<330 ppb	8270
01/22/07	p-Diethylbenzene	<5 ppb	EPA 8260
01/22/07	trans-1,3-Dichloropropene	<5 ppb	EPA 8260
01/22/07	cis-1,3-Dichloropropene	<5 ppb	EPA 8260
01/22/07	Freon 113	<5 ppb	EPA 8260
01/22/07	p-Ethyltoluene	<5 ppb	EPA 8260
01/22/07	4-Methyl-2-pentanone (MIBK)	<5 ppb	EPA 8260
01/22/07	Acrylonitrile	<5 ppb	EPA 8260
01/22/07	1,4-dioxane	<5 ppb	EPA 8260
01/22/07	tert-Butylbenzene	<5 ppb	EPA 8260
01/22/07	MTBE	<5 ppb	EPA 8260
01/22/07	Xylenes, Total	<5 ppb	EPA 8260
01/22/07	2-Hexanone	<5 ppb	EPA 8260
01/22/07	Vinyl Acetate	<5 ppb	EPA 8260
01/22/07	2-Butanone (MEK)	<5 ppb	EPA 8260
01/22/07	Carbon disulfide	<5 ppb	EPA 8260
01/22/07	Acetone	<5 ppb	EPA 8260
01/22/07	Vinyl chloride	<5 ppb	EPA 8260
01/22/07	1,2,4-Trimethylbenzene	708 ppb	EPA 8260
01/22/07	1,3,5-Trimethylbenzene	112 ppb	EPA 8260
01/22/07	1,2,3-Trichloropropane	<5 ppb	EPA 8260
01/22/07	Trichlorofluoromethane	<5 ppb	EPA 8260
01/22/07	Trichloroethene	<5 ppb	EPA 8260

### Impact Environmental: 07-010.1

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**City:** Bronx  
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**Phone:**

**Sample's Information:** **Sample ID:** SP-9

**Site:** 1-2' **Date Collected:** 1/18/2007 **Date Received:** 1/19/2007  
**Preservative:** **Time Collected:** 12:00:00 PM **Time Received:** 3:30:00 PM  
**Temperature:** **Lab No.:** J0700540  
**Matrix:** Soil

Date Analyzed	Test Name	Result	Method
01/22/07	1,1,2-Trichloroethane	<5 ppb	EPA 8260
01/22/07	1,1,1-Trichloroethane	<5 ppb	EPA 8260
01/22/07	1,2,4-Trichlorobenzene	<5 ppb	EPA 8260
01/22/07	1,2,3-Trichlorobenzene	<5 ppb	EPA 8260
01/22/07	Toluene	<5 ppb	EPA 8260
01/22/07	Tetrachloroethene	<5 ppb	EPA 8260
01/22/07	1,1,2,2-Tetrachloroethane	<5 ppb	EPA 8260
01/22/07	1,1,1,2-tetrachloroethane	<5 ppb	EPA 8260
01/22/07	Styrene	<5 ppb	EPA 8260
01/22/07	n-Propylbenzene	153 ppb	EPA 8260
01/22/07	Methylene Chloride	<5 ppb	EPA 8260
01/22/07	p-Isopropyltoluene	<5 ppb	EPA 8260
01/22/07	Isopropylbenzene	<5 ppb	EPA 8260
01/22/07	Hexachlorobutadiene	<5 ppb	EPA 8260
01/22/07	Ethylbenzene	<5 ppb	EPA 8260
01/22/07	1,1-Dichloropropene	<5 ppb	EPA 8260
01/22/07	2,2-Dichloropropane	<5 ppb	EPA 8260
01/22/07	1,3-Dichloropropane	<5 ppb	EPA 8260
01/22/07	1,2-Dichloropropane	<5 ppb	EPA 8260
01/22/07	trans-1,2-Dichloroethene	<5 ppb	EPA 8260
01/22/07	cis-1,2-Dichloroethene	<5 ppb	EPA 8260
01/22/07	1,1-Dichloroethene	<5 ppb	EPA 8260
01/22/07	1,2-Dichloroethane	<5 ppb	EPA 8260
01/22/07	1,1-Dichloroethane	<5 ppb	EPA 8260
01/22/07	Dichlorodifluoromethane	<5 ppb	EPA 8260
01/22/07	1,4-Dichlorobenzene	<5 ppb	EPA 8260
01/22/07	1,3-Dichlorobenzene	<5 ppb	EPA 8260
01/22/07	1,2-Dichlorobenzene	<5 ppb	EPA 8260
01/22/07	Dibromoethane	<5 ppb	EPA 8260
01/22/07	1,2-Dibromoethane	<5 ppb	EPA 8260
01/22/07	1,2-Dibromo-3-Chloropropane	<5 ppb	EPA 8260

### Impact Environmental: 07-010.1

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**JMS ID:** 013082

**City:** Bohemia  
**State:** NY **Zip:** 11716  
**Phone:** (631) 269-8800 **Fax:** (631) 269-1599

**City:** Bronx  
**State:** NY **Zip:**  
**Phone:**

**Sample's Information:**

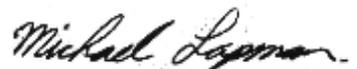
**Sample ID:** SP-9

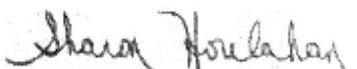
**Site:** 1-2' **Date Collected:** 1/18/2007 **Date Received:** 1/19/2007  
**Preservative:** **Time Collected:** 12:00:00 PM **Time Received:** 3:30:00 PM  
**Temperature:** **Lab No.:** J0700540  
**Matrix:** Soil

Date Analyzed	Test Name	Result	Method
01/22/07	4-Chlorotoluene	<5 ppb	EPA 8260
01/22/07	2-Chlorotoluene	<5 ppb	EPA 8260
01/22/07	Chloromethane	<5 ppb	EPA 8260
01/22/07	Chloroform	<5 ppb	EPA 8260
01/22/07	Chloroethane	<5 ppb	EPA 8260
01/22/07	Chlorodibromomethane	<5 ppb	EPA 8260
01/22/07	Chlorobenzene	<5 ppb	EPA 8260
01/22/07	Carbon tetrachloride	<5 ppb	EPA 8260
01/22/07	sec-Butylbenzene	<5 ppb	EPA 8260
01/22/07	n-Butylbenzene	174 ppb	EPA 8260
01/22/07	Bromomethane	<5 ppb	EPA 8260
01/22/07	Bromoform	<5 ppb	EPA 8260
01/22/07	Bromodichloromethane	<5 ppb	EPA 8260
01/22/07	Bromochloromethane	<5 ppb	EPA 8260
01/22/07	Bromobenzene	<5 ppb	EPA 8260
01/22/07	Benzene	<5 ppb	EPA 8260
01/22/07	Naphthalene	1035 ppb	EPA 8260
01/22/07	1,2,4,5-tetramethylbenzene	<5 ppb	EPA 8260
01/22/07	1,3-Dichloropropene(cis and tran	<5 ppb	EPA 8260

\*Results below 330ppb fro EPA 8270 are "J" Values.

ppb = micrograms

**Signature:**   
**Michael Lapman**  
**President**

**Reviewed By:**   
**Sharon Houlahan, Director**  
**State #: PH-0218 ELAP #: 11715 Ref Lab: 11301,**

# Analytical Report

**Impact Environmental: 07-010.1**

170 Keyland Ct  
Bohemia, NY 11716

Report Date: 1/23/2007

### Impact Environmental: 07-010.1

**Mailing Information:**

**Name:** Impact Environmental  
**Address:** 170 Keyland Ct

**Collector's Information:**

**Name:** John Herbig  
**Address of site:** West Farms Rd

**JMS ID:** 013084

**City:** Bohemia  
**State:** NY **Zip:** 11716  
**Phone:** (631) 269-8800 **Fax:** (631) 269-1599

**City:** Bronx  
**State:** NY **Zip:**  
**Phone:**

**Sample's Information:** **Sample ID:** SP-10

**Site:** 2-3' **Date Collected:** 1/18/2007 **Date Received:** 1/19/2007  
**Preservative:** **Time Collected:** 12:00:00 PM **Time Received:** 3:30:00 PM  
**Temperature:** **Lab No.:** J0700541  
**Matrix:** Soil

Date Analyzed	Test Name	Result	Method
01/22/07	1,2,4-Trichlorobenzene	<330 ppb	8270
01/22/07	1,2-Dichlorobenzene	<330 ppb	8270
01/22/07	1,3-Dichlorobenzene	<330 ppb	8270
01/22/07	1,4-Dichlorobenzene	<330 ppb	8270
01/22/07	2, methyl-naphthalene	<330 ppb	8270
01/22/07	2,4,5-Trichlorophenol	<330 ppb	8270
01/22/07	2,4,6-Trichlorophenol	<330 ppb	8270
01/22/07	2,4-Dichlorophenol	<330 ppb	8270
01/22/07	2,4-Dimethylphenol	<330 ppb	8270
01/22/07	2,4-Dinitrophenol	<330 ppb	8270
01/22/07	2,4-Dinitrotoluene	<330 ppb	8270
01/22/07	2,6-Dichlorophenol	<330 ppb	8270
01/22/07	2,6-Dinitrotoluene	<330 ppb	8270
01/22/07	2-Chloronaphthalene	<330 ppb	8270
01/22/07	2-Chlorophenol	<330 ppb	8270
01/22/07	2-Methyl-4,6-dinitrophenol	<330 ppb	8270
01/22/07	2-Methylphenol (o-Cresol)	<330 ppb	8270
01/22/07	2-Nitroaniline	<330 ppb	8270
01/22/07	2-Nitrophenol	<330 ppb	8270
01/22/07	3,3'-Dichlorobenzidine	<330 ppb	8270
01/22/07	3-Nitroaniline	<330 ppb	8270
01/22/07	4-Bromophenyl Phenyl Ether	<330 ppb	8270
01/22/07	4-Chloro-3-Methylphenol	<330 ppb	8270
01/22/07	4-Chloroaniline	<330 ppb	8270
01/22/07	4-Chlorophenyl Phenylether	<330 ppb	8270
01/22/07	4-Methylphenol (p-Cresol)	<330 ppb	8270
01/22/07	4-Nitroaniline	<330 ppb	8270
01/22/07	4-Nitrophenol	<330 ppb	8270
01/22/07	Acenaphthene	<330 ppb	8270
01/22/07	Acenaphthylene	<330 ppb	8270
01/22/07	Aniline	<330 ppb	8270

CONNECTICUT, NEW YORK AND NELAP CERTIFIED

### Impact Environmental: 07-010.1

**Mailing Information:**

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**Collector's Information:**

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**Address of site:** West Farms Rd

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**City:** Bronx  
**State:** NY **Zip:**  
**Phone:**

**Sample's Information:**

**Sample ID:** SP-10

**Site:** 2-3'

**Date Collected:** 1/18/2007

**Date Received:** 1/19/2007

**Preservative:**

**Time Collected:** 12:00:00 PM

**Time Received:** 3:30:00 PM

**Temperature:**

**Lab No.:** J0700541

**Matrix:** Soil

Date Analyzed	Test Name	Result	Method
01/22/07	Anthracene	<330 ppb	8270
01/22/07	Benzidine	<330 ppb	8270
01/22/07	Benzo(a)anthracene	<330 ppb	8270
01/22/07	Benzo(a)pyrene	<330 ppb	8270
01/22/07	Benzo(b)fluoranthene	<330 ppb	8270
01/22/07	Benzo(g,h,i)perylene	<330 ppb	8270
01/22/07	Benzo(k)fluoranthene	<330 ppb	8270
01/22/07	Benzoic Acid	<330 ppb	8270
01/22/07	Benzyl Alcohol	<330 ppb	8270
01/22/07	bis(2-Chloroethoxy)methane	<330 ppb	8270
01/22/07	bis(2-Chloroethyl) ether	<330 ppb	8270
01/22/07	bis(2-Chloroisopropyl) ether	<330 ppb	8270
01/22/07	bis(2-ethylhexyl)phthalate	<330 ppb	8270
01/22/07	Butyl Benzyl Phthalate	<330 ppb	8270
01/22/07	Chrysene	<330 ppb	8270
01/22/07	Dibenz(a,h)anthracene	<330 ppb	8270
01/22/07	Dibenzofuran	<330 ppb	8270
01/22/07	Diethyl Phthalate	<330 ppb	8270
01/22/07	Dimethyl Phthalate	<330 ppb	8270
01/22/07	Di-N-Butylphthalate	<330 ppb	8270
01/22/07	Di-n-octyl phthalate	<330 ppb	8270
01/22/07	Fluoranthene	<330 ppb	8270
01/22/07	Fluorene	<330 ppb	8270
01/22/07	Hexachlorobenzene	<330 ppb	8270
01/22/07	Hexachlorobutadiene	<330 ppb	8270
01/22/07	Hexachlorocyclopentadiene	<330 ppb	8270
01/22/07	Hexachloroethane	<330 ppb	8270
01/22/07	Indeno(1,2,3-cd)pyrene	<330 ppb	8270
01/22/07	Isophorone	<330 ppb	8270
01/22/07	Naphthalene	<330 ppb	8270
01/22/07	Nitrobenzene	<330 ppb	8270

CONNECTICUT, NEW YORK AND NELAC CERTIFIED

### Impact Environmental: 07-010.1

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**City:** Bronx  
**State:** NY **Zip:**  
**Phone:**

**Sample's Information:**

**Sample ID:** SP-10

**Site:** 2-3'

**Date Collected:** 1/18/2007

**Date Received:** 1/19/2007

**Preservative:**

**Time Collected:** 12:00:00 PM

**Time Received:** 3:30:00 PM

**Temperature:**

**Lab No.:** J0700541

**Matrix:** Soil

Date Analyzed	Test Name	Result	Method
01/22/07	n-Nitrosodimethylamine	<330 ppb	8270
01/22/07	n-Nitrosodi-n-propylamine	<330 ppb	8270
01/22/07	n-Nitrosodiphenylamine	<330 ppb	8270
01/22/07	Pentachlorophenol	<330 ppb	8270
01/22/07	Phenanthrene	<330 ppb	8270
01/22/07	Phenols	<330 ppb	8270
01/22/07	Pyrene	<330 ppb	8270
01/22/07	Pyridine	<330 ppb	8270
01/22/07	p-Diethylbenzene	<5 ppb	EPA 8260
01/22/07	trans-1,3-Dichloropropene	<5 ppb	EPA 8260
01/22/07	cis-1,3-Dichloropropene	<5 ppb	EPA 8260
01/22/07	Freon 113	<5 ppb	EPA 8260
01/22/07	p-Ethyltoluene	<5 ppb	EPA 8260
01/22/07	4-Methyl-2-pentanone (MIBK)	<5 ppb	EPA 8260
01/22/07	Acrylonitrile	<5 ppb	EPA 8260
01/22/07	1,4-dioxane	<5 ppb	EPA 8260
01/22/07	tert-Butylbenzene	<5 ppb	EPA 8260
01/22/07	MTBE	<5 ppb	EPA 8260
01/22/07	Xylenes, Total	<5 ppb	EPA 8260
01/22/07	2-Hexanone	<5 ppb	EPA 8260
01/22/07	Vinyl Acetate	<5 ppb	EPA 8260
01/22/07	2-Butanone (MEK)	<5 ppb	EPA 8260
01/22/07	Carbon disulfide	<5 ppb	EPA 8260
01/22/07	Acetone	<5 ppb	EPA 8260
01/22/07	Vinyl chloride	<5 ppb	EPA 8260
01/22/07	1,2,4-Trimethylbenzene	43 ppb	EPA 8260
01/22/07	1,3,5-Trimethylbenzene	<5 ppb	EPA 8260
01/22/07	1,2,3-Trichloropropane	<5 ppb	EPA 8260
01/22/07	Trichlorofluoromethane	<5 ppb	EPA 8260
01/22/07	Trichloroethene	<5 ppb	EPA 8260

### Impact Environmental: 07-010.1

**Mailing Information:**

**Name:** Impact Environmental  
**Address:** 170 Keyland Ct

**Collector's Information:**

**Name:** John Herbig  
**Address of site:** West Farms Rd

**JMS ID:** 013084

**City:** Bohemia

**State:** NY

**Phone:** (631) 269-8800

**Zip:** 11716

**Fax:** (631) 269-1599

**City:** Bronx

**State:** NY

**Phone:**

**Zip:**

**Sample's Information:**

**Sample ID:** SP-10

**Site:** 2-3'

**Date Collected:** 1/18/2007

**Date Received:** 1/19/2007

**Preservative:**

**Time Collected:** 12:00:00 PM

**Time Received:** 3:30:00 PM

**Temperature:**

**Lab No.:** J0700541

**Matrix:** Soil

Date Analyzed	Test Name	Result	Method
01/22/07	1,1,2-Trichloroethane	<5 ppb	EPA 8260
01/22/07	1,1,1-Trichloroethane	<5 ppb	EPA 8260
01/22/07	1,2,4-Trichlorobenzene	<5 ppb	EPA 8260
01/22/07	1,2,3-Trichlorobenzene	<5 ppb	EPA 8260
01/22/07	Toluene	<5 ppb	EPA 8260
01/22/07	Tetrachloroethene	<5 ppb	EPA 8260
01/22/07	1,1,2,2-Tetrachloroethane	<5 ppb	EPA 8260
01/22/07	1,1,1,2-tetrachloroethane	<5 ppb	EPA 8260
01/22/07	Styrene	<5 ppb	EPA 8260
01/22/07	n-Propylbenzene	<5 ppb	EPA 8260
01/22/07	Methylene Chloride	<5 ppb	EPA 8260
01/22/07	p-Isopropyltoluene	<5 ppb	EPA 8260
01/22/07	Isopropylbenzene	<5 ppb	EPA 8260
01/22/07	Hexachlorobutadiene	<5 ppb	EPA 8260
01/22/07	Ethylbenzene	<5 ppb	EPA 8260
01/22/07	1,1-Dichloropropene	<5 ppb	EPA 8260
01/22/07	2,2-Dichloropropane	<5 ppb	EPA 8260
01/22/07	1,3-Dichloropropane	<5 ppb	EPA 8260
01/22/07	1,2-Dichloropropane	<5 ppb	EPA 8260
01/22/07	trans-1,2-Dichloroethene	<5 ppb	EPA 8260
01/22/07	cis-1,2-Dichloroethene	<5 ppb	EPA 8260
01/22/07	1,1-Dichloroethene	<5 ppb	EPA 8260
01/22/07	1,2-Dichloroethane	<5 ppb	EPA 8260
01/22/07	1,1-Dichloroethane	<5 ppb	EPA 8260
01/22/07	Dichlorodifluoromethane	<5 ppb	EPA 8260
01/22/07	1,4-Dichlorobenzene	<5 ppb	EPA 8260
01/22/07	1,3-Dichlorobenzene	<5 ppb	EPA 8260
01/22/07	1,2-Dichlorobenzene	<5 ppb	EPA 8260
01/22/07	Dibromoethane	<5 ppb	EPA 8260
01/22/07	1,2-Dibromoethane	<5 ppb	EPA 8260
01/22/07	1,2-Dibromo-3-Chloropropane	<5 ppb	EPA 8260

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**Impact Environmental: 07-010.1**

**Mailing Information:**

**Name:** Impact Environmental  
**Address:** 170 Keyland Ct

**City:** Bohemia  
**State:** NY **Zip:** 11716  
**Phone:** (631) 269-8800 **Fax:** (631) 269-1599

**Collector's Information:**

**Name:** John Herbig  
**Address of site:** West Farms Rd

**City:** Bronx  
**State:** NY **Zip:**  
**Phone:**

**JMS ID:** 013084

**Sample's Information:**

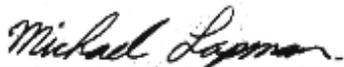
**Sample ID:** SP-10

**Site:** 2-3' **Date Collected:** 1/18/2007 **Date Received:** 1/19/2007  
**Preservative:** **Time Collected:** 12:00:00 PM **Time Received:** 3:30:00 PM  
**Temperature:** **Lab No.:** J0700541  
**Matrix:** Soil

Date Analyzed	Test Name	Result	Method
01/22/07	4-Chlorotoluene	<5 ppb	EPA 8260
01/22/07	2-Chlorotoluene	<5 ppb	EPA 8260
01/22/07	Chloromethane	<5 ppb	EPA 8260
01/22/07	Chloroform	<5 ppb	EPA 8260
01/22/07	Chloroethane	<5 ppb	EPA 8260
01/22/07	Chlorodibromomethane	<5 ppb	EPA 8260
01/22/07	Chlorobenzene	<5 ppb	EPA 8260
01/22/07	Carbon tetrachloride	<5 ppb	EPA 8260
01/22/07	sec-Butylbenzene	<5 ppb	EPA 8260
01/22/07	n-Butylbenzene	<5 ppb	EPA 8260
01/22/07	Bromomethane	<5 ppb	EPA 8260
01/22/07	Bromoform	<5 ppb	EPA 8260
01/22/07	Bromodichloromethane	<5 ppb	EPA 8260
01/22/07	Bromochloromethane	<5 ppb	EPA 8260
01/22/07	Bromobenzene	<5 ppb	EPA 8260
01/22/07	Benzene	<5 ppb	EPA 8260
01/22/07	Naphthalene	92 ppb	EPA 8260
01/22/07	1,2,4,5-tetramethylbenzene	<5 ppb	EPA 8260
01/22/07	1,3-Dichloropropene(cis and tran	<5 ppb	EPA 8260

\*Results below 330ppb fro EPA 8270 are "J" Values.

ppb = micrograms

**Signature:**   
**Michael Lapman**  
**President**

**Reviewed By:**   
**Sharon Houlahan, Director**  
**State #: PH-0218 ELAP #: 11715 Ref Lab: 11301,**

### Impact Environmental: 07-010.1

**Mailing Information:**

**Name:** Impact Environmental  
**Address:** 170 Keyland Ct

**Collector's Information:**

**Name:** John Herbig  
**Address of site:** West Farms Rd

**JMS ID:** 013085

**City:** Bohemia  
**State:** NY **Zip:** 11716  
**Phone:** (631) 269-8800 **Fax:** (631) 269-1599

**City:** Bronx  
**State:** NY **Zip:**  
**Phone:**

**Sample's Information:** **Sample ID:** SP-11

**Site:** 6-7' **Date Collected:** 1/18/2007 **Date Received:** 1/19/2007  
**Preservative:** **Time Collected:** 12:00:00 PM **Time Received:** 3:30:00 PM  
**Temperature:** **Lab No.:** J0700542  
**Matrix:** Soil

Date Analyzed	Test Name	Result	MCL	Method
01/22/07	Antimony	6.67 ppm	N/A	6010/E200.7
01/22/07	Arsenic	2.28 ppm	N/A	6010/E200.7
01/22/07	Beryllium	0.5 ppm	N/A	6010/E200.7
01/22/07	Cadmium	1.65 ppm	N/A	6010/E200.7
01/22/07	Chromium	32 ppm	N/A	6010/E200.7
01/22/07	Copper	55 ppm	N/A	6010/E200.7
01/22/07	Lead	48 ppm	N/A	6010/E200.7
01/22/07	Nickel	37 ppm	N/A	6010/E200.7
01/22/07	Selenium	<0.05 ppm	N/A	6010/E200.7
01/22/07	Silver	<0.05 ppm	N/A	6010/E200.7
01/22/07	Thallium	<0.05 ppm	N/A	6010/E200.7
01/22/07	Zinc	131 ppm	N/A	6010/E200.7
01/22/07	Mercury	<0.1 ppm	N/A	7470/E245.1
01/23/07	1,2,4-Trichlorobenzene	<330 ppb		8270
01/23/07	1,2-Dichlorobenzene	<330 ppb		8270
01/23/07	1,3-Dichlorobenzene	<330 ppb		8270
01/23/07	1,4-Dichlorobenzene	<330 ppb		8270
01/23/07	2, methyl-naphthalene	<330 ppb		8270
01/23/07	2,4,5-Trichlorophenol	<330 ppb		8270
01/23/07	2,4,6-Trichlorophenol	<330 ppb		8270
01/23/07	2,4-Dichlorophenol	<330 ppb		8270
01/23/07	2,4-Dimethylphenol	<330 ppb		8270
01/23/07	2,4-Dinitrophenol	<330 ppb		8270
01/23/07	2,4-Dinitrotoluene	<330 ppb		8270
01/23/07	2,6-Dichlorophenol	<330 ppb		8270
01/23/07	2,6-Dinitrotoluene	<330 ppb		8270
01/23/07	2-Chloronaphthalene	<330 ppb		8270
01/23/07	2-Chlorophenol	<330 ppb		8270
01/23/07	2-Methyl-4,6-dinitrophenol	<330 ppb		8270
01/23/07	2-Methylphenol (o-Cresol)	<330 ppb		8270

### Impact Environmental: 07-010.1

**Mailing Information:**

**Name:** Impact Environmental  
**Address:** 170 Keyland Ct

**Collector's Information:**

**Name:** John Herbig  
**Address of site:** West Farms Rd

**JMS ID:** 013085

**City:** Bohemia  
**State:** NY **Zip:** 11716  
**Phone:** (631) 269-8800 **Fax:** (631) 269-1599

**City:** Bronx  
**State:** NY **Zip:**  
**Phone:**

**Sample's Information:** **Sample ID:** SP-11

**Site:** 6-7' **Date Collected:** 1/18/2007 **Date Received:** 1/19/2007  
**Preservative:** **Time Collected:** 12:00:00 PM **Time Received:** 3:30:00 PM  
**Temperature:** **Lab No.:** J0700542  
**Matrix:** Soil

Date Analyzed	Test Name	Result	MCL	Method
01/23/07	2-Nitroaniline	<330 ppb		8270
01/23/07	2-Nitrophenol	<330 ppb		8270
01/23/07	3,3'-Dichlorobenzidine	<330 ppb		8270
01/23/07	3-Nitroaniline	<330 ppb		8270
01/23/07	4-Bromophenyl Phenyl Ether	<330 ppb		8270
01/23/07	4-Chloro-3-Methylphenol	<330 ppb		8270
01/23/07	4-Chloroaniline	<330 ppb		8270
01/23/07	4-Chlorophenyl Phenylether	<330 ppb		8270
01/23/07	4-Methylphenol (p-Cresol)	<330 ppb		8270
01/23/07	4-Nitroaniline	<330 ppb		8270
01/23/07	4-Nitrophenol	<330 ppb		8270
01/23/07	Acenaphthene	<330 ppb		8270
01/23/07	Acenaphthylene	<330 ppb		8270
01/23/07	Aniline	<330 ppb		8270
01/23/07	Anthracene	<330 ppb		8270
01/23/07	Benzidine	<330 ppb		8270
01/23/07	Benzo(a)anthracene	<330 ppb		8270
01/23/07	Benzo(a)pyrene	<330 ppb		8270
01/23/07	Benzo(b)fluoranthene	<330 ppb		8270
01/23/07	Benzo(g,h,i)perylene	<330 ppb		8270
01/23/07	Benzo(k)fluoranthene	<330 ppb		8270
01/23/07	Benzoic Acid	<330 ppb		8270
01/23/07	Benzyl Alcohol	<330 ppb		8270
01/23/07	bis(2-Chloroethoxy)methane	<330 ppb		8270
01/23/07	bis(2-Chloroethyl) ether	<330 ppb		8270
01/23/07	bis(2-Chloroisopropyl) ether	<330 ppb		8270
01/23/07	bis(2-ethylhexyl)phthalate	<330 ppb		8270
01/23/07	Butyl Benzyl Phthalate	<330 ppb		8270
01/23/07	Chrysene	<330 ppb		8270
01/23/07	Dibenz(a,h)anthracene	<330 ppb		8270
01/23/07	Dibenzofuran	<330 ppb		8270

### Impact Environmental: 07-010.1

**Mailing Information:**

**Name:** Impact Environmental  
**Address:** 170 Keyland Ct

**Collector's Information:**

**Name:** John Herbig  
**Address of site:** West Farms Rd

**JMS ID:** 013085

**City:** Bohemia  
**State:** NY **Zip:** 11716  
**Phone:** (631) 269-8800 **Fax:** (631) 269-1599

**City:** Bronx  
**State:** NY **Zip:**  
**Phone:**

**Sample's Information:**

**Sample ID:** SP-11

**Site:** 6-7'

**Date Collected:** 1/18/2007

**Date Received:** 1/19/2007

**Preservative:**

**Time Collected:** 12:00:00 PM

**Time Received:** 3:30:00 PM

**Temperature:**

**Lab No.:** J0700542

**Matrix:** Soil

Date Analyzed	Test Name	Result	MCL	Method
01/23/07	Diethyl Phthalate	<330 ppb		8270
01/23/07	Dimethyl Phthalate	<330 ppb		8270
01/23/07	Di-N-Butylphthalate	<330 ppb		8270
01/23/07	Di-n-octyl phthalate	<330 ppb		8270
01/23/07	Fluoranthene	65 ppb		8270
01/23/07	Fluorene	<330 ppb		8270
01/23/07	Hexachlorobenzene	<330 ppb		8270
01/23/07	Hexachlorobutadiene	<330 ppb		8270
01/23/07	Hexachlorocyclopentadiene	<330 ppb		8270
01/23/07	Hexachloroethane	<330 ppb		8270
01/23/07	Indeno(1,2,3-cd)pyrene	<330 ppb		8270
01/23/07	Isophorone	<330 ppb		8270
01/23/07	Naphthalene	<330 ppb		8270
01/23/07	Nitrobenzene	<330 ppb		8270
01/23/07	n-Nitrosodimethylamine	<330 ppb		8270
01/23/07	n-Nitrosodi-n-propylamine	<330 ppb		8270
01/23/07	n-Nitrosodiphenylamine	<330 ppb		8270
01/23/07	Pentachlorophenol	<330 ppb		8270
01/23/07	Phenanthrene	<330 ppb		8270
01/23/07	Phenols	<330 ppb		8270
01/23/07	Pyrene	69 ppb		8270
01/23/07	Pyridine	<330 ppb		8270
01/23/07	p-Diethylbenzene	<5 ppb		EPA 8260
01/23/07	trans-1,3-Dichloropropene	<5 ppb		EPA 8260
01/23/07	cis-1,3-Dichloropropene	<5 ppb		EPA 8260
01/23/07	Freon 113	<5 ppb		EPA 8260
01/23/07	p-Ethyltoluene	<5 ppb		EPA 8260
01/23/07	4-Methyl-2-pentanone (MIBK)	<5 ppb		EPA 8260
01/23/07	Acrylonitrile	<5 ppb		EPA 8260
01/23/07	1,4-dioxane	<5 ppb		EPA 8260

### Impact Environmental: 07-010.1

**Mailing Information:**

**Name:** Impact Environmental  
**Address:** 170 Keyland Ct

**Collector's Information:**

**Name:** John Herbig  
**Address of site:** West Farms Rd

**JMS ID:** 013085

**City:** Bohemia  
**State:** NY **Zip:** 11716  
**Phone:** (631) 269-8800 **Fax:** (631) 269-1599

**City:** Bronx  
**State:** NY **Zip:**  
**Phone:**

**Sample's Information:** **Sample ID:** SP-11

**Site:** 6-7' **Date Collected:** 1/18/2007 **Date Received:** 1/19/2007  
**Preservative:** **Time Collected:** 12:00:00 PM **Time Received:** 3:30:00 PM  
**Temperature:** **Lab No.:** J0700542  
**Matrix:** Soil

Date Analyzed	Test Name	Result	MCL	Method
01/23/07	tert-Butylbenzene	<5 ppb		EPA 8260
01/23/07	MTBE	<5 ppb		EPA 8260
01/23/07	Xylenes, Total	<5 ppb		EPA 8260
01/23/07	2-Hexanone	<5 ppb		EPA 8260
01/23/07	Vinyl Acetate	<5 ppb		EPA 8260
01/23/07	2-Butanone (MEK)	<5 ppb		EPA 8260
01/23/07	Carbon disulfide	<5 ppb		EPA 8260
01/23/07	Acetone	<5 ppb		EPA 8260
01/23/07	Vinyl chloride	<5 ppb		EPA 8260
01/23/07	1,2,4-Trimethylbenzene	25 ppb		EPA 8260
01/23/07	1,3,5-Trimethylbenzene	<5 ppb		EPA 8260
01/23/07	1,2,3-Trichloropropane	<5 ppb		EPA 8260
01/23/07	Trichlorofluoromethane	<5 ppb		EPA 8260
01/23/07	Trichloroethene	<5 ppb		EPA 8260
01/23/07	1,1,2-Trichloroethane	<5 ppb		EPA 8260
01/23/07	1,1,1-Trichloroethane	<5 ppb		EPA 8260
01/23/07	1,2,4-Trichlorobenzene	<5 ppb		EPA 8260
01/23/07	1,2,3-Trichlorobenzene	<5 ppb		EPA 8260
01/23/07	Toluene	<5 ppb		EPA 8260
01/23/07	Tetrachloroethene	<5 ppb		EPA 8260
01/23/07	1,1,2,2-Tetrachloroethane	<5 ppb		EPA 8260
01/23/07	1,1,1,2-tetrachloroethane	<5 ppb		EPA 8260
01/23/07	Styrene	<5 ppb		EPA 8260
01/23/07	n-Propylbenzene	<5 ppb		EPA 8260
01/23/07	Methylene Chloride	<5 ppb		EPA 8260
01/23/07	p-Isopropyltoluene	<5 ppb		EPA 8260
01/23/07	Isopropylbenzene	<5 ppb		EPA 8260
01/23/07	Hexachlorobutadiene	<5 ppb		EPA 8260
01/23/07	Ethylbenzene	<5 ppb		EPA 8260
01/23/07	1,1-Dichloropropene	<5 ppb		EPA 8260
01/23/07	2,2-Dichloropropane	<5 ppb		EPA 8260

### Impact Environmental: 07-010.1

**Mailing Information:**

**Name:** Impact Environmental  
**Address:** 170 Keyland Ct

**Collector's Information:**

**Name:** John Herbig  
**Address of site:** West Farms Rd

**JMS ID:** 013085

**City:** Bohemia  
**State:** NY **Zip:** 11716  
**Phone:** (631) 269-8800 **Fax:** (631) 269-1599

**City:** Bronx  
**State:** NY **Zip:**  
**Phone:**

**Sample's Information:** **Sample ID:** SP-11

**Site:** 6-7' **Date Collected:** 1/18/2007 **Date Received:** 1/19/2007  
**Preservative:** **Time Collected:** 12:00:00 PM **Time Received:** 3:30:00 PM  
**Temperature:** **Lab No.:** J0700542  
**Matrix:** Soil

Date Analyzed	Test Name	Result	MCL	Method
01/23/07	1,3-Dichloropropane	<5 ppb		EPA 8260
01/23/07	1,2-Dichloropropane	<5 ppb		EPA 8260
01/23/07	trans-1,2-Dichloroethene	<5 ppb		EPA 8260
01/23/07	cis-1,2-Dichloroethene	<5 ppb		EPA 8260
01/23/07	1,1-Dichloroethene	<5 ppb		EPA 8260
01/23/07	1,2-Dichloroethane	<5 ppb		EPA 8260
01/23/07	1,1-Dichloroethane	<5 ppb		EPA 8260
01/23/07	Dichlorodifluoromethane	<5 ppb		EPA 8260
01/23/07	1,4-Dichlorobenzene	<5 ppb		EPA 8260
01/23/07	1,3-Dichlorobenzene	<5 ppb		EPA 8260
01/23/07	1,2-Dichlorobenzene	<5 ppb		EPA 8260
01/23/07	Dibromoethane	<5 ppb		EPA 8260
01/23/07	1,2-Dibromoethane	<5 ppb		EPA 8260
01/23/07	1,2-Dibromo-3-Chloropropane	<5 ppb		EPA 8260
01/23/07	4-Chlorotoluene	<5 ppb		EPA 8260
01/23/07	2-Chlorotoluene	<5 ppb		EPA 8260
01/23/07	Chloromethane	<5 ppb		EPA 8260
01/23/07	Chloroform	<5 ppb		EPA 8260
01/23/07	Chloroethane	<5 ppb		EPA 8260
01/23/07	Chlorodibromomethane	<5 ppb		EPA 8260
01/23/07	Chlorobenzene	<5 ppb		EPA 8260
01/23/07	Carbon tetrachloride	<5 ppb		EPA 8260
01/23/07	sec-Butylbenzene	<5 ppb		EPA 8260
01/23/07	n-Butylbenzene	<5 ppb		EPA 8260
01/23/07	Bromomethane	<5 ppb		EPA 8260
01/23/07	Bromoform	<5 ppb		EPA 8260
01/23/07	Bromodichloromethane	<5 ppb		EPA 8260
01/23/07	Bromochloromethane	<5 ppb		EPA 8260
01/23/07	Bromobenzene	<5 ppb		EPA 8260
01/23/07	Benzene	<5 ppb		EPA 8260
01/23/07	Naphthalene	<5 ppb		EPA 8260

### Impact Environmental: 07-010.1

**Mailing Information:**

**Name:** Impact Environmental  
**Address:** 170 Keyland Ct

**City:** Bohemia

**State:** NY

**Phone:** (631) 269-8800

**Zip:** 11716

**Fax:** (631) 269-1599

**Collector's Information:**

**Name:** John Herbig  
**Address of site:** West Farms Rd

**City:** Bronx

**State:** NY

**Phone:**

**Zip:**

**JMS ID:** 013085

**Sample's Information:**

**Sample ID:** SP-11

**Site:** 6-7'

**Date Collected:** 1/18/2007

**Date Received:** 1/19/2007

**Preservative:**

**Time Collected:** 12:00:00 PM

**Time Received:** 3:30:00 PM

**Temperature:**

**Lab No.:** J0700542

**Matrix:** Soil

Date Analyzed	Test Name	Result	MCL	Method
01/23/07	1,2,4,5-tetramethylbenzene	<5 ppb		EPA 8260
01/23/07	1,3-Dichloropropene(cis and tran	<5 ppb		EPA 8260

\*Results below 330ppb fro EPA 8270 are "J" Values.

MCL = Maximum Contaminant Level  
ppm = parts per million

N/A = Not Applicable

ppb = micrograms

Signature: Michael Lapman

Michael Lapman  
President

Reviewed By: Sharon Houlahan

Sharon Houlahan, Director

State #: PH-0218

ELAP #: 11715

Ref Lab: 11301,

### Impact Environmental: 07-010.1

**Mailing Information:**

**Name:** Impact Environmental  
**Address:** 170 Keyland Ct

**Collector's Information:**

**Name:** John Herbig  
**Address of site:** West Farms Rd

**JMS ID:** 013089

**City:** Bohemia  
**State:** NY **Zip:** 11716  
**Phone:** (631) 269-8800 **Fax:** (631) 269-1599

**City:** Bronx  
**State:** NY **Zip:**  
**Phone:**

**Sample's Information:**

**Sample ID:** SP-12

**Site:** 3-4'

**Date Collected:** 1/18/2007

**Date Received:** 1/19/2007

**Preservative:**

**Time Collected:** 12:00:00 PM

**Time Received:** 3:30:00 PM

**Temperature:**

**Lab No.:** J0700543

**Matrix:** Soil

Date Analyzed	Test Name	Result	MCL	Method
01/22/07	Antimony	5.42 ppm	N/A	6010/E200.7
01/22/07	Arsenic	0.22 ppm	N/A	6010/E200.7
01/22/07	Beryllium	0.55 ppm	N/A	6010/E200.7
01/22/07	Cadmium	1.4 ppm	N/A	6010/E200.7
01/22/07	Chromium	22.3 ppm	N/A	6010/E200.7
01/22/07	Copper	52 ppm	N/A	6010/E200.7
01/22/07	Lead	12 ppm	N/A	6010/E200.7
01/22/07	Nickel	37 ppm	N/A	6010/E200.7
01/22/07	Selenium	<0.05 ppm	N/A	6010/E200.7
01/22/07	Silver	<0.05 ppm	N/A	6010/E200.7
01/22/07	Thallium	<0.05 ppm	N/A	6010/E200.7
01/22/07	Zinc	101 ppm	N/A	6010/E200.7
01/22/07	Mercury	<0.1 ppm	N/A	7470/E245.1
01/23/07	1,2,4-Trichlorobenzene	<330 ppb		8270
01/23/07	1,2-Dichlorobenzene	<330 ppb		8270
01/23/07	1,3-Dichlorobenzene	<330 ppb		8270
01/23/07	1,4-Dichlorobenzene	<330 ppb		8270
01/23/07	2, methyl-naphthalene	<330 ppb		8270
01/23/07	2,4,5-Trichlorophenol	<330 ppb		8270
01/23/07	2,4,6-Trichlorophenol	<330 ppb		8270
01/23/07	2,4-Dichlorophenol	<330 ppb		8270
01/23/07	2,4-Dimethylphenol	<330 ppb		8270
01/23/07	2,4-Dinitrophenol	<330 ppb		8270
01/23/07	2,4-Dinitrotoluene	<330 ppb		8270
01/23/07	2,6-Dichlorophenol	<330 ppb		8270
01/23/07	2,6-Dinitrotoluene	<330 ppb		8270
01/23/07	2-Chloronaphthalene	<330 ppb		8270
01/23/07	2-Chlorophenol	<330 ppb		8270
01/23/07	2-Methyl-4,6-dinitrophenol	<330 ppb		8270
01/23/07	2-Methylphenol (o-Cresol)	<330 ppb		8270

### Impact Environmental: 07-010.1

**Mailing Information:**

**Name:** Impact Environmental  
**Address:** 170 Keyland Ct

**Collector's Information:**

**Name:** John Herbig  
**Address of site:** West Farms Rd

**JMS ID:** 013089

**City:** Bohemia

**State:** NY

**Phone:** (631) 269-8800

**Zip:** 11716

**Fax:** (631) 269-1599

**City:** Bronx

**State:** NY

**Phone:**

**Zip:**

**Sample's Information:**

**Sample ID:** SP-12

**Site:** 3-4'

**Date Collected:** 1/18/2007

**Date Received:** 1/19/2007

**Preservative:**

**Time Collected:** 12:00:00 PM

**Time Received:** 3:30:00 PM

**Temperature:**

**Lab No.:** J0700543

**Matrix:** Soil

Date Analyzed	Test Name	Result	MCL	Method
01/23/07	2-Nitroaniline	<330 ppb		8270
01/23/07	2-Nitrophenol	<330 ppb		8270
01/23/07	3,3'-Dichlorobenzidine	<330 ppb		8270
01/23/07	3-Nitroaniline	<330 ppb		8270
01/23/07	4-Bromophenyl Phenyl Ether	<330 ppb		8270
01/23/07	4-Chloro-3-Methylphenol	<330 ppb		8270
01/23/07	4-Chloroaniline	<330 ppb		8270
01/23/07	4-Chlorophenyl Phenylether	<330 ppb		8270
01/23/07	4-Methylphenol (p-Cresol)	<330 ppb		8270
01/23/07	4-Nitroaniline	<330 ppb		8270
01/23/07	4-Nitrophenol	<330 ppb		8270
01/23/07	Acenaphthene	<330 ppb		8270
01/23/07	Acenaphthylene	<330 ppb		8270
01/23/07	Aniline	<330 ppb		8270
01/23/07	Anthracene	<330 ppb		8270
01/23/07	Benzidine	<330 ppb		8270
01/23/07	Benzo(a)anthracene	<330 ppb		8270
01/23/07	Benzo(a)pyrene	<330 ppb		8270
01/23/07	Benzo(b)fluoranthene	<330 ppb		8270
01/23/07	Benzo(g,h,i)perylene	<330 ppb		8270
01/23/07	Benzo(k)fluoranthene	<330 ppb		8270
01/23/07	Benzoic Acid	<330 ppb		8270
01/23/07	Benzyl Alcohol	<330 ppb		8270
01/23/07	bis(2-Chloroethoxy)methane	<330 ppb		8270
01/23/07	bis(2-Chloroethyl) ether	<330 ppb		8270
01/23/07	bis(2-Chloroisopropyl) ether	<330 ppb		8270
01/23/07	bis(2-ethylhexyl)phthalate	<330 ppb		8270
01/23/07	Butyl Benzyl Phthalate	<330 ppb		8270
01/23/07	Chrysene	<330 ppb		8270
01/23/07	Dibenz(a,h)anthracene	<330 ppb		8270
01/23/07	Dibenzofuran	<330 ppb		8270

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### Impact Environmental: 07-010.1

**Mailing Information:**

**Name:** Impact Environmental  
**Address:** 170 Keyland Ct

**Collector's Information:**

**Name:** John Herbig  
**Address of site:** West Farms Rd

**JMS ID:** 013089

**City:** Bohemia  
**State:** NY **Zip:** 11716  
**Phone:** (631) 269-8800 **Fax:** (631) 269-1599

**City:** Bronx  
**State:** NY **Zip:**  
**Phone:**

**Sample's Information:**

**Sample ID:** SP-12

**Site:** 3-4'

**Date Collected:** 1/18/2007

**Date Received:** 1/19/2007

**Preservative:**

**Time Collected:** 12:00:00 PM

**Time Received:** 3:30:00 PM

**Temperature:**

**Lab No.:** J0700543

**Matrix:** Soil

Date Analyzed	Test Name	Result	MCL	Method
01/23/07	Diethyl Phthalate	<330 ppb		8270
01/23/07	Dimethyl Phthalate	<330 ppb		8270
01/23/07	Di-N-Butylphthalate	<330 ppb		8270
01/23/07	Di-n-octyl phthalate	<330 ppb		8270
01/23/07	Fluoranthene	<330 ppb		8270
01/23/07	Fluorene	<330 ppb		8270
01/23/07	Hexachlorobenzene	<330 ppb		8270
01/23/07	Hexachlorobutadiene	<330 ppb		8270
01/23/07	Hexachlorocyclopentadiene	<330 ppb		8270
01/23/07	Hexachloroethane	<330 ppb		8270
01/23/07	Indeno(1,2,3-cd)pyrene	<330 ppb		8270
01/23/07	Isophorone	<330 ppb		8270
01/23/07	Naphthalene	<330 ppb		8270
01/23/07	Nitrobenzene	<330 ppb		8270
01/23/07	n-Nitrosodimethylamine	<330 ppb		8270
01/23/07	n-Nitrosodi-n-propylamine	<330 ppb		8270
01/23/07	n-Nitrosodiphenylamine	<330 ppb		8270
01/23/07	Pentachlorophenol	<330 ppb		8270
01/23/07	Phenanthrene	<330 ppb		8270
01/23/07	Phenols	<330 ppb		8270
01/23/07	Pyrene	<330 ppb		8270
01/23/07	Pyridine	<330 ppb		8270
01/22/07	p-Diethylbenzene	<5 ppb		EPA 8260
01/22/07	trans-1,3-Dichloropropene	<5 ppb		EPA 8260
01/22/07	cis-1,3-Dichloropropene	<5 ppb		EPA 8260
01/22/07	Freon 113	<5 ppb		EPA 8260
01/22/07	p-Ethyltoluene	<5 ppb		EPA 8260
01/22/07	4-Methyl-2-pentanone (MIBK)	<5 ppb		EPA 8260
01/22/07	Acrylonitrile	<5 ppb		EPA 8260
01/22/07	1,4-dioxane	<5 ppb		EPA 8260

### Impact Environmental: 07-010.1

<b>Mailing Information:</b>		<b>Collector's Information:</b>	<b>JMS ID:</b> 013089
<b>Name:</b>	Impact Environmental	<b>Name:</b>	John Herbig
<b>Address:</b>	170 Keyland Ct	<b>Address of site:</b>	West Farms Rd
<b>City:</b>	Bohemia	<b>City:</b>	Bronx
<b>State:</b>	NY	<b>State:</b>	NY
<b>Phone:</b>	(631) 269-8800	<b>Zip:</b>	11716
<b>Fax:</b>	(631) 269-1599	<b>Phone:</b>	

<b>Sample's Information:</b>	<b>Sample ID:</b>	SP-12
<b>Site:</b> 3-4'	<b>Date Collected:</b>	1/18/2007
<b>Preservative:</b>	<b>Date Received:</b>	1/19/2007
<b>Temperature:</b>	<b>Time Collected:</b>	12:00:00 PM
<b>Matrix:</b>	<b>Time Received:</b>	3:30:00 PM
Soil	<b>Lab No.:</b>	J0700543

Date Analyzed	Test Name	Result	MCL	Method
01/22/07	tert-Butylbenzene	<5 ppb		EPA 8260
01/22/07	MTBE	<5 ppb		EPA 8260
01/22/07	Xylenes, Total	<5 ppb		EPA 8260
01/22/07	2-Hexanone	<5 ppb		EPA 8260
01/22/07	Vinyl Acetate	<5 ppb		EPA 8260
01/22/07	2-Butanone (MEK)	<5 ppb		EPA 8260
01/22/07	Carbon disulfide	<5 ppb		EPA 8260
01/22/07	Acetone	<5 ppb		EPA 8260
01/22/07	Vinyl chloride	<5 ppb		EPA 8260
01/22/07	1,2,4-Trimethylbenzene	<5 ppb		EPA 8260
01/22/07	1,3,5-Trimethylbenzene	<5 ppb		EPA 8260
01/22/07	1,2,3-Trichloropropane	<5 ppb		EPA 8260
01/22/07	Trichlorofluoromethane	<5 ppb		EPA 8260
01/22/07	Trichloroethene	<5 ppb		EPA 8260
01/22/07	1,1,2-Trichloroethane	<5 ppb		EPA 8260
01/22/07	1,1,1-Trichloroethane	<5 ppb		EPA 8260
01/22/07	1,2,4-Trichlorobenzene	<5 ppb		EPA 8260
01/22/07	1,2,3-Trichlorobenzene	<5 ppb		EPA 8260
01/22/07	Toluene	<5 ppb		EPA 8260
01/22/07	Tetrachloroethene	<5 ppb		EPA 8260
01/22/07	1,1,2,2-Tetrachloroethane	<5 ppb		EPA 8260
01/22/07	1,1,1,2-tetrachloroethane	<5 ppb		EPA 8260
01/22/07	Styrene	<5 ppb		EPA 8260
01/22/07	n-Propylbenzene	<5 ppb		EPA 8260
01/22/07	Methylene Chloride	<5 ppb		EPA 8260
01/22/07	p-Isopropyltoluene	<5 ppb		EPA 8260
01/22/07	Isopropylbenzene	<5 ppb		EPA 8260
01/22/07	Hexachlorobutadiene	<5 ppb		EPA 8260
01/22/07	Ethylbenzene	<5 ppb		EPA 8260
01/22/07	1,1-Dichloropropene	<5 ppb		EPA 8260
01/22/07	2,2-Dichloropropane	<5 ppb		EPA 8260

### Impact Environmental: 07-010.1

**Mailing Information:**

**Name:** Impact Environmental  
**Address:** 170 Keyland Ct

**Collector's Information:**

**Name:** John Herbig  
**Address of site:** West Farms Rd

**JMS ID:** 013089

**City:** Bohemia  
**State:** NY **Zip:** 11716  
**Phone:** (631) 269-8800 **Fax:** (631) 269-1599

**City:** Bronx  
**State:** NY **Zip:**  
**Phone:**

**Sample's Information:** **Sample ID:** SP-12

**Site:** 3-4' **Date Collected:** 1/18/2007 **Date Received:** 1/19/2007  
**Preservative:** **Time Collected:** 12:00:00 PM **Time Received:** 3:30:00 PM  
**Temperature:** **Lab No.:** J0700543  
**Matrix:** Soil

Date Analyzed	Test Name	Result	MCL	Method
01/22/07	1,3-Dichloropropane	<5 ppb		EPA 8260
01/22/07	1,2-Dichloropropane	<5 ppb		EPA 8260
01/22/07	trans-1,2-Dichloroethene	<5 ppb		EPA 8260
01/22/07	cis-1,2-Dichloroethene	<5 ppb		EPA 8260
01/22/07	1,1-Dichloroethene	<5 ppb		EPA 8260
01/22/07	1,2-Dichloroethane	<5 ppb		EPA 8260
01/22/07	1,1-Dichloroethane	<5 ppb		EPA 8260
01/22/07	Dichlorodifluoromethane	<5 ppb		EPA 8260
01/22/07	1,4-Dichlorobenzene	<5 ppb		EPA 8260
01/22/07	1,3-Dichlorobenzene	<5 ppb		EPA 8260
01/22/07	1,2-Dichlorobenzene	<5 ppb		EPA 8260
01/22/07	Dibromoethane	<5 ppb		EPA 8260
01/22/07	1,2-Dibromoethane	<5 ppb		EPA 8260
01/22/07	1,2-Dibromo-3-Chloropropane	<5 ppb		EPA 8260
01/22/07	4-Chlorotoluene	<5 ppb		EPA 8260
01/22/07	2-Chlorotoluene	<5 ppb		EPA 8260
01/22/07	Chloromethane	<5 ppb		EPA 8260
01/22/07	Chloroform	<5 ppb		EPA 8260
01/22/07	Chloroethane	<5 ppb		EPA 8260
01/22/07	Chlorodibromomethane	<5 ppb		EPA 8260
01/22/07	Chlorobenzene	<5 ppb		EPA 8260
01/22/07	Carbon tetrachloride	<5 ppb		EPA 8260
01/22/07	sec-Butylbenzene	<5 ppb		EPA 8260
01/22/07	n-Butylbenzene	<5 ppb		EPA 8260
01/22/07	Bromomethane	<5 ppb		EPA 8260
01/22/07	Bromoform	<5 ppb		EPA 8260
01/22/07	Bromodichloromethane	<5 ppb		EPA 8260
01/22/07	Bromochloromethane	<5 ppb		EPA 8260
01/22/07	Bromobenzene	<5 ppb		EPA 8260
01/22/07	Benzene	<5 ppb		EPA 8260
01/22/07	Naphthalene	<5 ppb		EPA 8260

### Impact Environmental: 07-010.1

**Mailing Information:**

**Name:** Impact Environmental  
**Address:** 170 Keyland Ct

**City:** Bohemia

**State:** NY **Zip:** 11716

**Phone:** (631) 269-8800 **Fax:** (631) 269-1599

**Collector's Information:**

**Name:** John Herbig  
**Address of site:** West Farms Rd

**City:** Bronx

**State:** NY **Zip:**

**Phone:**

**JMS ID:** 013089

**Sample's Information:**

**Sample ID:** SP-12

**Site:** 3-4'

**Date Collected:** 1/18/2007

**Date Received:** 1/19/2007

**Preservative:**

**Time Collected:** 12:00:00 PM

**Time Received:** 3:30:00 PM

**Temperature:**

**Lab No.:** J0700543

**Matrix:** Soil

Date Analyzed	Test Name	Result	MCL	Method
01/22/07	1,2,4,5-tetramethylbenzene	<5 ppb		EPA 8260
01/22/07	1,3-Dichloropropene(cis and tran	<5 ppb		EPA 8260

\*Results below 330ppb fro EPA 8270 are "J" Values.

MCL = Maximum Contaminant Level  
ppm = parts per million

N/A = Not Applicable

ppb = micrograms

**Signature:** Michael Lapman  
Michael Lapman  
President

**Reviewed By:** Sharon Houlahan  
Sharon Houlahan, Director  
State #: PH-0218 ELAP #: 11715 Ref Lab: 11301,

### Impact Environmental: 07-010.1

**Mailing Information:**

**Name:** Impact Environmental  
**Address:** 170 Keyland Ct

**Collector's Information:**

**Name:** John Herbig  
**Address of site:** West Farms Rd

**JMS ID:** 013091

**City:** Bohemia  
**State:** NY **Zip:** 11716  
**Phone:** (631) 269-8800 **Fax:** (631) 269-1599

**City:** Bronx  
**State:** NY **Zip:**  
**Phone:**

**Sample's Information:** **Sample ID:** SP-13

**Site:** 2-3' **Date Collected:** 1/18/2007 **Date Received:** 1/19/2007  
**Preservative:** **Time Collected:** 12:00:00 PM **Time Received:** 3:30:00 PM  
**Temperature:** **Lab No.:** J0700544  
**Matrix:** Soil

Date Analyzed	Test Name	Result	MCL	Method
01/22/07	Antimony	2.76 ppm	N/A	6010/E200.7
01/22/07	Arsenic	<0.05 ppm	N/A	6010/E200.7
01/22/07	Beryllium	0.26 ppm	N/A	6010/E200.7
01/22/07	Cadmium	0.75 ppm	N/A	6010/E200.7
01/22/07	Chromium	15 ppm	N/A	6010/E200.7
01/22/07	Copper	30 ppm	N/A	6010/E200.7
01/22/07	Lead	3.69 ppm	N/A	6010/E200.7
01/22/07	Nickel	21 ppm	N/A	6010/E200.7
01/22/07	Selenium	<0.05 ppm	N/A	6010/E200.7
01/22/07	Silver	<0.05 ppm	N/A	6010/E200.7
01/22/07	Thallium	<0.05 ppm	N/A	6010/E200.7
01/22/07	Zinc	65 ppm	N/A	6010/E200.7
01/22/07	Mercury	<0.1 ppm	N/A	7470/E245.1
01/23/07	1,2,4-Trichlorobenzene	<330 ppb		8270
01/23/07	1,2-Dichlorobenzene	<330 ppb		8270
01/23/07	1,3-Dichlorobenzene	<330 ppb		8270
01/23/07	1,4-Dichlorobenzene	<330 ppb		8270
01/23/07	2, methyl-naphthalene	<330 ppb		8270
01/23/07	2,4,5-Trichlorophenol	<330 ppb		8270
01/23/07	2,4,6-Trichlorophenol	<330 ppb		8270
01/23/07	2,4-Dichlorophenol	<330 ppb		8270
01/23/07	2,4-Dimethylphenol	<330 ppb		8270
01/23/07	2,4-Dinitrophenol	<330 ppb		8270
01/23/07	2,4-Dinitrotoluene	<330 ppb		8270
01/23/07	2,6-Dichlorophenol	<330 ppb		8270
01/23/07	2,6-Dinitrotoluene	<330 ppb		8270
01/23/07	2-Chloronaphthalene	<330 ppb		8270
01/23/07	2-Chlorophenol	<330 ppb		8270
01/23/07	2-Methyl-4,6-dinitrophenol	<330 ppb		8270
01/23/07	2-Methylphenol (o-Cresol)	<330 ppb		8270

### Impact Environmental: 07-010.1

**Mailing Information:**

**Name:** Impact Environmental  
**Address:** 170 Keyland Ct

**Collector's Information:**

**Name:** John Herbig  
**Address of site:** West Farms Rd

**JMS ID:** 013091

**City:** Bohemia

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**Zip:** 11716

**Fax:** (631) 269-1599

**City:** Bronx

**State:** NY

**Phone:**

**Zip:**

**Sample's Information:**

**Sample ID:** SP-13

**Site:** 2-3'

**Date Collected:** 1/18/2007

**Date Received:** 1/19/2007

**Preservative:**

**Time Collected:** 12:00:00 PM

**Time Received:** 3:30:00 PM

**Temperature:**

**Lab No.:** J0700544

**Matrix:** Soil

Date Analyzed	Test Name	Result	MCL	Method
01/23/07	2-Nitroaniline	<330 ppb		8270
01/23/07	2-Nitrophenol	<330 ppb		8270
01/23/07	3,3'-Dichlorobenzidine	<330 ppb		8270
01/23/07	3-Nitroaniline	<330 ppb		8270
01/23/07	4-Bromophenyl Phenyl Ether	<330 ppb		8270
01/23/07	4-Chloro-3-Methylphenol	<330 ppb		8270
01/23/07	4-Chloroaniline	<330 ppb		8270
01/23/07	4-Chlorophenyl Phenylether	<330 ppb		8270
01/23/07	4-Methylphenol (p-Cresol)	<330 ppb		8270
01/23/07	4-Nitroaniline	<330 ppb		8270
01/23/07	4-Nitrophenol	<330 ppb		8270
01/23/07	Acenaphthene	<330 ppb		8270
01/23/07	Acenaphthylene	<330 ppb		8270
01/23/07	Aniline	<330 ppb		8270
01/23/07	Anthracene	<330 ppb		8270
01/23/07	Benzidine	<330 ppb		8270
01/23/07	Benzo(a)anthracene	<330 ppb		8270
01/23/07	Benzo(a)pyrene	<330 ppb		8270
01/23/07	Benzo(b)fluoranthene	<330 ppb		8270
01/23/07	Benzo(g,h,i)perylene	<330 ppb		8270
01/23/07	Benzo(k)fluoranthene	<330 ppb		8270
01/23/07	Benzoic Acid	<330 ppb		8270
01/23/07	Benzyl Alcohol	<330 ppb		8270
01/23/07	bis(2-Chloroethoxy)methane	<330 ppb		8270
01/23/07	bis(2-Chloroethyl) ether	<330 ppb		8270
01/23/07	bis(2-Chloroisopropyl) ether	<330 ppb		8270
01/23/07	bis(2-ethylhexyl)phthalate	<330 ppb		8270
01/23/07	Butyl Benzyl Phthalate	<330 ppb		8270
01/23/07	Chrysene	<330 ppb		8270
01/23/07	Dibenz(a,h)anthracene	<330 ppb		8270
01/23/07	Dibenzofuran	<330 ppb		8270

CONNECTICUT, NEW YORK AND NELAC CERTIFIED

### Impact Environmental: 07-010.1

**Mailing Information:**

**Name:** Impact Environmental  
**Address:** 170 Keyland Ct

**Collector's Information:**

**Name:** John Herbig  
**Address of site:** West Farms Rd

**JMS ID:** 013091

**City:** Bohemia  
**State:** NY **Zip:** 11716  
**Phone:** (631) 269-8800 **Fax:** (631) 269-1599

**City:** Bronx  
**State:** NY **Zip:**  
**Phone:**

**Sample's Information:**

**Sample ID:** SP-13

**Site:** 2-3'

**Date Collected:** 1/18/2007

**Date Received:** 1/19/2007

**Preservative:**

**Time Collected:** 12:00:00 PM

**Time Received:** 3:30:00 PM

**Temperature:**

**Lab No.:** J0700544

**Matrix:** Soil

Date Analyzed	Test Name	Result	MCL	Method
01/23/07	Diethyl Phthalate	<330 ppb		8270
01/23/07	Dimethyl Phthalate	<330 ppb		8270
01/23/07	Di-N-Butylphthalate	<330 ppb		8270
01/23/07	Di-n-octyl phthalate	<330 ppb		8270
01/23/07	Fluoranthene	<330 ppb		8270
01/23/07	Fluorene	<330 ppb		8270
01/23/07	Hexachlorobenzene	<330 ppb		8270
01/23/07	Hexachlorobutadiene	<330 ppb		8270
01/23/07	Hexachlorocyclopentadiene	<330 ppb		8270
01/23/07	Hexachloroethane	<330 ppb		8270
01/23/07	Indeno(1,2,3-cd)pyrene	<330 ppb		8270
01/23/07	Isophorone	<330 ppb		8270
01/23/07	Naphthalene	<330 ppb		8270
01/23/07	Nitrobenzene	<330 ppb		8270
01/23/07	n-Nitrosodimethylamine	<330 ppb		8270
01/23/07	n-Nitrosodi-n-propylamine	<330 ppb		8270
01/23/07	n-Nitrosodiphenylamine	<330 ppb		8270
01/23/07	Pentachlorophenol	<330 ppb		8270
01/23/07	Phenanthrene	<330 ppb		8270
01/23/07	Phenols	<330 ppb		8270
01/23/07	Pyrene	<330 ppb		8270
01/23/07	Pyridine	<330 ppb		8270
01/22/07	p-Diethylbenzene	<5 ppb		EPA 8260
01/22/07	trans-1,3-Dichloropropene	<5 ppb		EPA 8260
01/22/07	cis-1,3-Dichloropropene	<5 ppb		EPA 8260
01/22/07	Freon 113	<5 ppb		EPA 8260
01/22/07	p-Ethyltoluene	<5 ppb		EPA 8260
01/22/07	4-Methyl-2-pentanone (MIBK)	<5 ppb		EPA 8260
01/22/07	Acrylonitrile	<5 ppb		EPA 8260
01/22/07	1,4-dioxane	<5 ppb		EPA 8260

### Impact Environmental: 07-010.1

**Mailing Information:**

**Name:** Impact Environmental  
**Address:** 170 Keyland Ct

**Collector's Information:**

**Name:** John Herbig  
**Address of site:** West Farms Rd

**JMS ID:** 013091

**City:** Bohemia  
**State:** NY **Zip:** 11716  
**Phone:** (631) 269-8800 **Fax:** (631) 269-1599

**City:** Bronx  
**State:** NY **Zip:**  
**Phone:**

**Sample's Information:** **Sample ID:** SP-13

**Site:** 2-3' **Date Collected:** 1/18/2007 **Date Received:** 1/19/2007  
**Preservative:** **Time Collected:** 12:00:00 PM **Time Received:** 3:30:00 PM  
**Temperature:** **Lab No.:** J0700544  
**Matrix:** Soil

Date Analyzed	Test Name	Result	MCL	Method
01/22/07	tert-Butylbenzene	<5 ppb		EPA 8260
01/22/07	MTBE	<5 ppb		EPA 8260
01/22/07	Xylenes, Total	<5 ppb		EPA 8260
01/22/07	2-Hexanone	<5 ppb		EPA 8260
01/22/07	Vinyl Acetate	<5 ppb		EPA 8260
01/22/07	2-Butanone (MEK)	<5 ppb		EPA 8260
01/22/07	Carbon disulfide	<5 ppb		EPA 8260
01/22/07	Acetone	<5 ppb		EPA 8260
01/22/07	Vinyl chloride	<5 ppb		EPA 8260
01/22/07	1,2,4-Trimethylbenzene	<5 ppb		EPA 8260
01/22/07	1,3,5-Trimethylbenzene	<5 ppb		EPA 8260
01/22/07	1,2,3-Trichloropropane	<5 ppb		EPA 8260
01/22/07	Trichlorofluoromethane	<5 ppb		EPA 8260
01/22/07	Trichloroethene	<5 ppb		EPA 8260
01/22/07	1,1,2-Trichloroethane	<5 ppb		EPA 8260
01/22/07	1,1,1-Trichloroethane	<5 ppb		EPA 8260
01/22/07	1,2,4-Trichlorobenzene	<5 ppb		EPA 8260
01/22/07	1,2,3-Trichlorobenzene	<5 ppb		EPA 8260
01/22/07	Toluene	<5 ppb		EPA 8260
01/22/07	Tetrachloroethene	<5 ppb		EPA 8260
01/22/07	1,1,2,2-Tetrachloroethane	<5 ppb		EPA 8260
01/22/07	1,1,1,2-tetrachloroethane	<5 ppb		EPA 8260
01/22/07	Styrene	<5 ppb		EPA 8260
01/22/07	n-Propylbenzene	<5 ppb		EPA 8260
01/22/07	Methylene Chloride	<5 ppb		EPA 8260
01/22/07	p-Isopropyltoluene	<5 ppb		EPA 8260
01/22/07	Isopropylbenzene	<5 ppb		EPA 8260
01/22/07	Hexachlorobutadiene	<5 ppb		EPA 8260
01/22/07	Ethylbenzene	<5 ppb		EPA 8260
01/22/07	1,1-Dichloropropene	<5 ppb		EPA 8260
01/22/07	2,2-Dichloropropane	<5 ppb		EPA 8260

CONNECTICUT, NEW YORK AND NELAC CERTIFIED

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**JMS ID:** 013091

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**Phone:** (631) 269-8800 **Fax:** (631) 269-1599

**City:** Bronx  
**State:** NY **Zip:**  
**Phone:**

**Sample's Information:** **Sample ID:** SP-13

**Site:** 2-3' **Date Collected:** 1/18/2007 **Date Received:** 1/19/2007  
**Preservative:** **Time Collected:** 12:00:00 PM **Time Received:** 3:30:00 PM  
**Temperature:** **Lab No.:** J0700544  
**Matrix:** Soil

Date Analyzed	Test Name	Result	MCL	Method
01/22/07	1,3-Dichloropropane	<5 ppb		EPA 8260
01/22/07	1,2-Dichloropropane	<5 ppb		EPA 8260
01/22/07	trans-1,2-Dichloroethene	<5 ppb		EPA 8260
01/22/07	cis-1,2-Dichloroethene	<5 ppb		EPA 8260
01/22/07	1,1-Dichloroethene	<5 ppb		EPA 8260
01/22/07	1,2-Dichloroethane	<5 ppb		EPA 8260
01/22/07	1,1-Dichloroethane	<5 ppb		EPA 8260
01/22/07	Dichlorodifluoromethane	<5 ppb		EPA 8260
01/22/07	1,4-Dichlorobenzene	<5 ppb		EPA 8260
01/22/07	1,3-Dichlorobenzene	<5 ppb		EPA 8260
01/22/07	1,2-Dichlorobenzene	<5 ppb		EPA 8260
01/22/07	Dibromoethane	<5 ppb		EPA 8260
01/22/07	1,2-Dibromoethane	<5 ppb		EPA 8260
01/22/07	1,2-Dibromo-3-Chloropropane	<5 ppb		EPA 8260
01/22/07	4-Chlorotoluene	<5 ppb		EPA 8260
01/22/07	2-Chlorotoluene	<5 ppb		EPA 8260
01/22/07	Chloromethane	<5 ppb		EPA 8260
01/22/07	Chloroform	<5 ppb		EPA 8260
01/22/07	Chloroethane	<5 ppb		EPA 8260
01/22/07	Chlorodibromomethane	<5 ppb		EPA 8260
01/22/07	Chlorobenzene	<5 ppb		EPA 8260
01/22/07	Carbon tetrachloride	<5 ppb		EPA 8260
01/22/07	sec-Butylbenzene	<5 ppb		EPA 8260
01/22/07	n-Butylbenzene	<5 ppb		EPA 8260
01/22/07	Bromomethane	<5 ppb		EPA 8260
01/22/07	Bromoform	<5 ppb		EPA 8260
01/22/07	Bromodichloromethane	<5 ppb		EPA 8260
01/22/07	Bromochloromethane	<5 ppb		EPA 8260
01/22/07	Bromobenzene	<5 ppb		EPA 8260
01/22/07	Benzene	<5 ppb		EPA 8260
01/22/07	Naphthalene	<5 ppb		EPA 8260

**Impact Environmental: 07-010.1**

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**Zip:** 11716

**Fax:** (631) 269-1599

**Collector's Information:**

**Name:** John Herbig  
**Address of site:** West Farms Rd

**City:** Bronx

**State:** NY

**Phone:**

**Zip:**

**JMS ID:** 013091

**Sample's Information:**

**Sample ID:** SP-13

**Site:** 2-3'

**Date Collected:** 1/18/2007

**Date Received:** 1/19/2007

**Preservative:**

**Time Collected:** 12:00:00 PM

**Time Received:** 3:30:00 PM

**Temperature:**

**Lab No.:** J0700544

**Matrix:** Soil

Date Analyzed	Test Name	Result	MCL	Method
01/22/07	1,2,4,5-tetramethylbenzene	<5 ppb		EPA 8260
01/22/07	1,3-Dichloropropene(cis and tran	<5 ppb		EPA 8260

\*Results below 330ppb fro EPA 8270 are "J" Values.

MCL = Maximum Contaminant Level  
 ppm = parts per million

N/A = Not Applicable

ppb = micrograms

**Signature:** Michael Lapman  
 Michael Lapman  
 President

**Reviewed By:** Sharon Houlahan  
 Sharon Houlahan, Director  
 State #: PH-0218 ELAP #: 11715 Ref Lab: 11301,

### Impact Environmental: 07-010.1

**Mailing Information:**

**Name:** Impact Environmental  
**Address:** 170 Keyland Ct

**Collector's Information:**

**Name:** John Herbig  
**Address of site:** West Farms Rd

**JMS ID:** 013092

**City:** Bohemia  
**State:** NY **Zip:** 11716  
**Phone:** (631) 269-8800 **Fax:** (631) 269-1599

**City:** Bronx  
**State:** NY **Zip:**  
**Phone:**

**Sample's Information:**

**Sample ID:** SP-14

**Site:** 3-4'

**Date Collected:** 1/18/2007

**Date Received:** 1/19/2007

**Preservative:**

**Time Collected:** 12:00:00 PM

**Time Received:** 3:30:00 PM

**Temperature:**

**Lab No.:** J0700545

**Matrix:** Soil

Date Analyzed	Test Name	Result	MCL	Method
01/22/07	Antimony	2.24 ppm	N/A	6010/E200.7
01/22/07	Arsenic	<0.05 ppm	N/A	6010/E200.7
01/22/07	Beryllium	0.23 ppm	N/A	6010/E200.7
01/22/07	Cadmium	0.72 ppm	N/A	6010/E200.7
01/22/07	Chromium	16.9 ppm	N/A	6010/E200.7
01/22/07	Copper	37 ppm	N/A	6010/E200.7
01/22/07	Lead	23 ppm	N/A	6010/E200.7
01/22/07	Nickel	19 ppm	N/A	6010/E200.7
01/22/07	Selenium	<0.05 ppm	N/A	6010/E200.7
01/22/07	Silver	0.21 ppm	N/A	6010/E200.7
01/22/07	Thallium	<0.05 ppm	N/A	6010/E200.7
01/22/07	Zinc	76 ppm	N/A	6010/E200.7
01/22/07	Mercury	<0.1 ppm	N/A	7470/E245.1
01/23/07	1,2,4-Trichlorobenzene	<330 ppb		8270
01/23/07	1,2-Dichlorobenzene	<330 ppb		8270
01/23/07	1,3-Dichlorobenzene	<330 ppb		8270
01/23/07	1,4-Dichlorobenzene	<330 ppb		8270
01/23/07	2, methyl-naphthalene	<330 ppb		8270
01/23/07	2,4,5-Trichlorophenol	<330 ppb		8270
01/23/07	2,4,6-Trichlorophenol	<330 ppb		8270
01/23/07	2,4-Dichlorophenol	<330 ppb		8270
01/23/07	2,4-Dimethylphenol	<330 ppb		8270
01/23/07	2,4-Dinitrophenol	<330 ppb		8270
01/23/07	2,4-Dinitrotoluene	<330 ppb		8270
01/23/07	2,6-Dichlorophenol	<330 ppb		8270
01/23/07	2,6-Dinitrotoluene	<330 ppb		8270
01/23/07	2-Chloronaphthalene	<330 ppb		8270
01/23/07	2-Chlorophenol	<330 ppb		8270
01/23/07	2-Methyl-4,6-dinitrophenol	<330 ppb		8270
01/23/07	2-Methylphenol (o-Cresol)	<330 ppb		8270

**Impact Environmental: 07-010.1**

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**City:** Bronx  
**State:** NY **Zip:**  
**Phone:**

**Sample's Information:** **Sample ID:** SP-14

**Site:** 3-4' **Date Collected:** 1/18/2007 **Date Received:** 1/19/2007  
**Preservative:** **Time Collected:** 12:00:00 PM **Time Received:** 3:30:00 PM  
**Temperature:** **Lab No.:** J0700545  
**Matrix:** Soil

Date Analyzed	Test Name	Result	MCL	Method
01/23/07	2-Nitroaniline	<330 ppb		8270
01/23/07	2-Nitrophenol	<330 ppb		8270
01/23/07	3,3'-Dichlorobenzidine	<330 ppb		8270
01/23/07	3-Nitroaniline	<330 ppb		8270
01/23/07	4-Bromophenyl Phenyl Ether	<330 ppb		8270
01/23/07	4-Chloro-3-Methylphenol	<330 ppb		8270
01/23/07	4-Chloroaniline	<330 ppb		8270
01/23/07	4-Chlorophenyl Phenylether	<330 ppb		8270
01/23/07	4-Methylphenol (p-Cresol)	<330 ppb		8270
01/23/07	4-Nitroaniline	<330 ppb		8270
01/23/07	4-Nitrophenol	<330 ppb		8270
01/23/07	Acenaphthene	<330 ppb		8270
01/23/07	Acenaphthylene	<330 ppb		8270
01/23/07	Aniline	<330 ppb		8270
01/23/07	Anthracene	<330 ppb		8270
01/23/07	Benzidine	<330 ppb		8270
01/23/07	Benzo(a)anthracene	<330 ppb		8270
01/23/07	Benzo(a)pyrene	<330 ppb		8270
01/23/07	Benzo(b)fluoranthene	<330 ppb		8270
01/23/07	Benzo(g,h,i)perylene	<330 ppb		8270
01/23/07	Benzo(k)fluoranthene	<330 ppb		8270
01/23/07	Benzoic Acid	<330 ppb		8270
01/23/07	Benzyl Alcohol	<330 ppb		8270
01/23/07	bis(2-Chloroethoxy)methane	<330 ppb		8270
01/23/07	bis(2-Chloroethyl) ether	<330 ppb		8270
01/23/07	bis(2-Chloroisopropyl) ether	<330 ppb		8270
01/23/07	bis(2-ethylhexyl)phthalate	<330 ppb		8270
01/23/07	Butyl Benzyl Phthalate	<330 ppb		8270
01/23/07	Chrysene	<330 ppb		8270
01/23/07	Dibenz(a,h)anthracene	<330 ppb		8270
01/23/07	Dibenzofuran	<330 ppb		8270

CONNECTICUT, NEW YORK AND NELAC CERTIFIED

### Impact Environmental: 07-010.1

**Mailing Information:**

**Name:** Impact Environmental  
**Address:** 170 Keyland Ct

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**Address of site:** West Farms Rd

**JMS ID:** 013092

**City:** Bohemia  
**State:** NY **Zip:** 11716  
**Phone:** (631) 269-8800 **Fax:** (631) 269-1599

**City:** Bronx  
**State:** NY **Zip:**  
**Phone:**

**Sample's Information:** **Sample ID:** SP-14

**Site:** 3-4' **Date Collected:** 1/18/2007 **Date Received:** 1/19/2007  
**Preservative:** **Time Collected:** 12:00:00 PM **Time Received:** 3:30:00 PM  
**Temperature:** **Lab No.:** J0700545  
**Matrix:** Soil

Date Analyzed	Test Name	Result	MCL	Method
01/23/07	Diethyl Phthalate	<330 ppb		8270
01/23/07	Dimethyl Phthalate	<330 ppb		8270
01/23/07	Di-N-Butylphthalate	<330 ppb		8270
01/23/07	Di-n-octyl phthalate	<330 ppb		8270
01/23/07	Fluoranthene	<330 ppb		8270
01/23/07	Fluorene	<330 ppb		8270
01/23/07	Hexachlorobenzene	<330 ppb		8270
01/23/07	Hexachlorobutadiene	<330 ppb		8270
01/23/07	Hexachlorocyclopentadiene	<330 ppb		8270
01/23/07	Hexachloroethane	<330 ppb		8270
01/23/07	Indeno(1,2,3-cd)pyrene	<330 ppb		8270
01/23/07	Isophorone	<330 ppb		8270
01/23/07	Naphthalene	50 ppb		8270
01/23/07	Nitrobenzene	<330 ppb		8270
01/23/07	n-Nitrosodimethylamine	<330 ppb		8270
01/23/07	n-Nitrosodi-n-propylamine	<330 ppb		8270
01/23/07	n-Nitrosodiphenylamine	<330 ppb		8270
01/23/07	Pentachlorophenol	<330 ppb		8270
01/23/07	Phenanthrene	<330 ppb		8270
01/23/07	Phenols	<330 ppb		8270
01/23/07	Pyrene	89 ppb		8270
01/23/07	Pyridine	<330 ppb		8270
01/22/07	p-Diethylbenzene	<5 ppb		EPA 8260
01/22/07	trans-1,3-Dichloropropene	<5 ppb		EPA 8260
01/22/07	cis-1,3-Dichloropropene	<5 ppb		EPA 8260
01/22/07	Freon 113	<5 ppb		EPA 8260
01/22/07	p-Ethyltoluene	<5 ppb		EPA 8260
01/22/07	4-Methyl-2-pentanone (MIBK)	<5 ppb		EPA 8260
01/22/07	Acrylonitrile	<5 ppb		EPA 8260
01/22/07	1,4-dioxane	<5 ppb		EPA 8260

### Impact Environmental: 07-010.1

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**City:** Bronx  
**State:** NY **Zip:**  
**Phone:**

**Sample's Information:** **Sample ID:** SP-14

**Site:** 3-4' **Date Collected:** 1/18/2007 **Date Received:** 1/19/2007  
**Preservative:** **Time Collected:** 12:00:00 PM **Time Received:** 3:30:00 PM  
**Temperature:** **Lab No.:** J0700545  
**Matrix:** Soil

Date Analyzed	Test Name	Result	MCL	Method
01/22/07	tert-Butylbenzene	<5 ppb		EPA 8260
01/22/07	MTBE	<5 ppb		EPA 8260
01/22/07	Xylenes, Total	<5 ppb		EPA 8260
01/22/07	2-Hexanone	<5 ppb		EPA 8260
01/22/07	Vinyl Acetate	<5 ppb		EPA 8260
01/22/07	2-Butanone (MEK)	<5 ppb		EPA 8260
01/22/07	Carbon disulfide	<5 ppb		EPA 8260
01/22/07	Acetone	<5 ppb		EPA 8260
01/22/07	Vinyl chloride	<5 ppb		EPA 8260
01/22/07	1,2,4-Trimethylbenzene	<5 ppb		EPA 8260
01/22/07	1,3,5-Trimethylbenzene	<5 ppb		EPA 8260
01/22/07	1,2,3-Trichloropropane	<5 ppb		EPA 8260
01/22/07	Trichlorofluoromethane	<5 ppb		EPA 8260
01/22/07	Trichloroethene	<5 ppb		EPA 8260
01/22/07	1,1,2-Trichloroethane	<5 ppb		EPA 8260
01/22/07	1,1,1-Trichloroethane	<5 ppb		EPA 8260
01/22/07	1,2,4-Trichlorobenzene	<5 ppb		EPA 8260
01/22/07	1,2,3-Trichlorobenzene	<5 ppb		EPA 8260
01/22/07	Toluene	<5 ppb		EPA 8260
01/22/07	Tetrachloroethene	<5 ppb		EPA 8260
01/22/07	1,1,2,2-Tetrachloroethane	<5 ppb		EPA 8260
01/22/07	1,1,1,2-tetrachloroethane	<5 ppb		EPA 8260
01/22/07	Styrene	<5 ppb		EPA 8260
01/22/07	n-Propylbenzene	<5 ppb		EPA 8260
01/22/07	Methylene Chloride	<5 ppb		EPA 8260
01/22/07	p-Isopropyltoluene	<5 ppb		EPA 8260
01/22/07	Isopropylbenzene	<5 ppb		EPA 8260
01/22/07	Hexachlorobutadiene	<5 ppb		EPA 8260
01/22/07	Ethylbenzene	<5 ppb		EPA 8260
01/22/07	1,1-Dichloropropene	<5 ppb		EPA 8260
01/22/07	2,2-Dichloropropane	<5 ppb		EPA 8260

### Impact Environmental: 07-010.1

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**City:** Bronx  
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**Sample's Information:** **Sample ID:** SP-14

**Site:** 3-4' **Date Collected:** 1/18/2007 **Date Received:** 1/19/2007  
**Preservative:** **Time Collected:** 12:00:00 PM **Time Received:** 3:30:00 PM  
**Temperature:** **Lab No.:** J0700545  
**Matrix:** Soil

Date Analyzed	Test Name	Result	MCL	Method
01/22/07	1,3-Dichloropropane	<5 ppb		EPA 8260
01/22/07	1,2-Dichloropropane	<5 ppb		EPA 8260
01/22/07	trans-1,2-Dichloroethene	<5 ppb		EPA 8260
01/22/07	cis-1,2-Dichloroethene	<5 ppb		EPA 8260
01/22/07	1,1-Dichloroethene	<5 ppb		EPA 8260
01/22/07	1,2-Dichloroethane	<5 ppb		EPA 8260
01/22/07	1,1-Dichloroethane	<5 ppb		EPA 8260
01/22/07	Dichlorodifluoromethane	<5 ppb		EPA 8260
01/22/07	1,4-Dichlorobenzene	<5 ppb		EPA 8260
01/22/07	1,3-Dichlorobenzene	<5 ppb		EPA 8260
01/22/07	1,2-Dichlorobenzene	<5 ppb		EPA 8260
01/22/07	Dibromoethane	<5 ppb		EPA 8260
01/22/07	1,2-Dibromoethane	<5 ppb		EPA 8260
01/22/07	1,2-Dibromo-3-Chloropropane	<5 ppb		EPA 8260
01/22/07	4-Chlorotoluene	<5 ppb		EPA 8260
01/22/07	2-Chlorotoluene	<5 ppb		EPA 8260
01/22/07	Chloromethane	<5 ppb		EPA 8260
01/22/07	Chloroform	<5 ppb		EPA 8260
01/22/07	Chloroethane	<5 ppb		EPA 8260
01/22/07	Chlorodibromomethane	<5 ppb		EPA 8260
01/22/07	Chlorobenzene	<5 ppb		EPA 8260
01/22/07	Carbon tetrachloride	<5 ppb		EPA 8260
01/22/07	sec-Butylbenzene	<5 ppb		EPA 8260
01/22/07	n-Butylbenzene	<5 ppb		EPA 8260
01/22/07	Bromomethane	<5 ppb		EPA 8260
01/22/07	Bromoform	<5 ppb		EPA 8260
01/22/07	Bromodichloromethane	<5 ppb		EPA 8260
01/22/07	Bromochloromethane	<5 ppb		EPA 8260
01/22/07	Bromobenzene	<5 ppb		EPA 8260
01/22/07	Benzene	<5 ppb		EPA 8260
01/22/07	Naphthalene	<5 ppb		EPA 8260

**Impact Environmental: 07-010.1**

**Mailing Information:**

**Name:** Impact Environmental  
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**Collector's Information:**

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**Address of site:** West Farms Rd

**JMS ID:** 013092

**City:** Bohemia  
**State:** NY **Zip:** 11716  
**Phone:** (631) 269-8800 **Fax:** (631) 269-1599

**City:** Bronx  
**State:** NY **Zip:**  
**Phone:**

**Sample's Information:**

**Sample ID:** SP-14

**Site:** 3-4' **Date Collected:** 1/18/2007 **Date Received:** 1/19/2007  
**Preservative:** **Time Collected:** 12:00:00 PM **Time Received:** 3:30:00 PM  
**Temperature:** **Lab No.:** J0700545  
**Matrix:** Soil

Date Analyzed	Test Name	Result	MCL	Method
01/22/07	1,2,4,5-tetramethylbenzene	<5 ppb		EPA 8260
01/22/07	1,3-Dichloropropene(cis and tran	<5 ppb		EPA 8260

\*Results below 330ppb fro EPA 8270 are "J" Values.

MCL = Maximum Contaminant Level      N/A = Not Applicable      ppb = micrograms  
ppm = parts per million

**Signature:**   
**Michael Lapman**  
**President**

**Reviewed By:**   
**Sharon Houlahan, Director**  
**State #: PH-0218 ELAP #: 11715 Ref Lab: 11301,**

# Analytical Report

**Impact Environmental: 07-010.1**

170 Keyland Ct  
Bohemia, NY 11716

Report Date: 1/23/2007

### Impact Environmental: 07-010.1

**Mailing Information:**

**Name:** Impact Environmental  
**Address:** 170 Keyland Ct

**Collector's Information:**

**Name:** John Herbig  
**Address of site:** West Farms Rd

**JMS ID:** 013093

**City:** Bohemia  
**State:** NY **Zip:** 11716  
**Phone:** (631) 269-8800 **Fax:** (631) 269-1599

**City:** Bronx  
**State:** NY **Zip:**  
**Phone:**

**Sample's Information:** **Sample ID:** SP-15

**Site:** 0-1' **Date Collected:** 1/18/2007 **Date Received:** 1/19/2007  
**Preservative:** **Time Collected:** 12:00:00 PM **Time Received:** 3:30:00 PM  
**Temperature:** **Lab No.:** J0700546  
**Matrix:** Soil

Date Analyzed	Test Name	Result	MCL	Method
01/22/07	Antimony	7.82 ppm	N/A	6010/E200.7
01/22/07	Arsenic	3.14 ppm	N/A	6010/E200.7
01/22/07	Beryllium	0.31 ppm	N/A	6010/E200.7
01/22/07	Cadmium	1.75 ppm	N/A	6010/E200.7
01/22/07	Chromium	38 ppm	N/A	6010/E200.7
01/22/07	Copper	71 ppm	N/A	6010/E200.7
01/22/07	Lead	85 ppm	N/A	6010/E200.7
01/22/07	Nickel	37 ppm	N/A	6010/E200.7
01/22/07	Selenium	<0.05 ppm	N/A	6010/E200.7
01/22/07	Silver	<0.05 ppm	N/A	6010/E200.7
01/22/07	Thallium	<0.05 ppm	N/A	6010/E200.7
01/22/07	Zinc	293 ppm	N/A	6010/E200.7
01/22/07	Mercury	<0.1 ppm	N/A	7470/E245.1
01/23/07	1,2,4-Trichlorobenzene	<330 ppb		8270
01/23/07	1,2-Dichlorobenzene	<330 ppb		8270
01/23/07	1,3-Dichlorobenzene	<330 ppb		8270
01/23/07	1,4-Dichlorobenzene	<330 ppb		8270
01/23/07	2, methyl-naphthalene	<330 ppb		8270
01/23/07	2,4,5-Trichlorophenol	<330 ppb		8270
01/23/07	2,4,6-Trichlorophenol	<330 ppb		8270
01/23/07	2,4-Dichlorophenol	<330 ppb		8270
01/23/07	2,4-Dimethylphenol	<330 ppb		8270
01/23/07	2,4-Dinitrophenol	<330 ppb		8270
01/23/07	2,4-Dinitrotoluene	<330 ppb		8270
01/23/07	2,6-Dichlorophenol	<330 ppb		8270
01/23/07	2,6-Dinitrotoluene	<330 ppb		8270
01/23/07	2-Chloronaphthalene	<330 ppb		8270
01/23/07	2-Chlorophenol	<330 ppb		8270
01/23/07	2-Methyl-4,6-dinitrophenol	<330 ppb		8270
01/23/07	2-Methylphenol (o-Cresol)	<330 ppb		8270

### Impact Environmental: 07-010.1

**Mailing Information:**

**Name:** Impact Environmental  
**Address:** 170 Keyland Ct

**Collector's Information:**

**Name:** John Herbig  
**Address of site:** West Farms Rd

**JMS ID:** 013093

**City:** Bohemia  
**State:** NY **Zip:** 11716  
**Phone:** (631) 269-8800 **Fax:** (631) 269-1599

**City:** Bronx  
**State:** NY **Zip:**  
**Phone:**

**Sample's Information:**

**Sample ID:** SP-15

**Site:** 0-1'

**Date Collected:** 1/18/2007

**Date Received:** 1/19/2007

**Preservative:**

**Time Collected:** 12:00:00 PM

**Time Received:** 3:30:00 PM

**Temperature:**

**Lab No.:** J0700546

**Matrix:** Soil

Date Analyzed	Test Name	Result	MCL	Method
01/23/07	2-Nitroaniline	<330 ppb		8270
01/23/07	2-Nitrophenol	<330 ppb		8270
01/23/07	3,3'-Dichlorobenzidine	<330 ppb		8270
01/23/07	3-Nitroaniline	<330 ppb		8270
01/23/07	4-Bromophenyl Phenyl Ether	<330 ppb		8270
01/23/07	4-Chloro-3-Methylphenol	<330 ppb		8270
01/23/07	4-Chloroaniline	<330 ppb		8270
01/23/07	4-Chlorophenyl Phenylether	<330 ppb		8270
01/23/07	4-Methylphenol (p-Cresol)	<330 ppb		8270
01/23/07	4-Nitroaniline	<330 ppb		8270
01/23/07	4-Nitrophenol	<330 ppb		8270
01/23/07	Acenaphthene	<330 ppb		8270
01/23/07	Acenaphthylene	<330 ppb		8270
01/23/07	Aniline	<330 ppb		8270
01/23/07	Anthracene	<330 ppb		8270
01/23/07	Benzidine	<330 ppb		8270
01/23/07	Benzo(a)anthracene	<330 ppb		8270
01/23/07	Benzo(a)pyrene	<330 ppb		8270
01/23/07	Benzo(b)fluoranthene	<330 ppb		8270
01/23/07	Benzo(g,h,i)perylene	<330 ppb		8270
01/23/07	Benzo(k)fluoranthene	<330 ppb		8270
01/23/07	Benzoic Acid	<330 ppb		8270
01/23/07	Benzyl Alcohol	<330 ppb		8270
01/23/07	bis(2-Chloroethoxy)methane	<330 ppb		8270
01/23/07	bis(2-Chloroethyl) ether	<330 ppb		8270
01/23/07	bis(2-Chloroisopropyl) ether	<330 ppb		8270
01/23/07	bis(2-ethylhexyl)phthalate	<330 ppb		8270
01/23/07	Butyl Benzyl Phthalate	<330 ppb		8270
01/23/07	Chrysene	<330 ppb		8270
01/23/07	Dibenz(a,h)anthracene	<330 ppb		8270
01/23/07	Dibenzofuran	<330 ppb		8270

CONNECTICUT, NEW YORK AND NELAC CERTIFIED

### Impact Environmental: 07-010.1

**Mailing Information:**

**Name:** Impact Environmental  
**Address:** 170 Keyland Ct

**Collector's Information:**

**Name:** John Herbig  
**Address of site:** West Farms Rd

**JMS ID:** 013093

**City:** Bohemia  
**State:** NY **Zip:** 11716  
**Phone:** (631) 269-8800 **Fax:** (631) 269-1599

**City:** Bronx  
**State:** NY **Zip:**  
**Phone:**

**Sample's Information:** **Sample ID:** SP-15

**Site:** 0-1' **Date Collected:** 1/18/2007 **Date Received:** 1/19/2007  
**Preservative:** **Time Collected:** 12:00:00 PM **Time Received:** 3:30:00 PM  
**Temperature:** **Lab No.:** J0700546  
**Matrix:** Soil

Date Analyzed	Test Name	Result	MCL	Method
01/23/07	Diethyl Phthalate	<330 ppb		8270
01/23/07	Dimethyl Phthalate	<330 ppb		8270
01/23/07	Di-N-Butylphthalate	<330 ppb		8270
01/23/07	Di-n-octyl phthalate	<330 ppb		8270
01/23/07	Fluoranthene	<330 ppb		8270
01/23/07	Fluorene	<330 ppb		8270
01/23/07	Hexachlorobenzene	<330 ppb		8270
01/23/07	Hexachlorobutadiene	<330 ppb		8270
01/23/07	Hexachlorocyclopentadiene	<330 ppb		8270
01/23/07	Hexachloroethane	<330 ppb		8270
01/23/07	Indeno(1,2,3-cd)pyrene	<330 ppb		8270
01/23/07	Isophorone	<330 ppb		8270
01/23/07	Naphthalene	<330 ppb		8270
01/23/07	Nitrobenzene	<330 ppb		8270
01/23/07	n-Nitrosodimethylamine	<330 ppb		8270
01/23/07	n-Nitrosodi-n-propylamine	<330 ppb		8270
01/23/07	n-Nitrosodiphenylamine	<330 ppb		8270
01/23/07	Pentachlorophenol	<330 ppb		8270
01/23/07	Phenanthrene	<330 ppb		8270
01/23/07	Phenols	<330 ppb		8270
01/23/07	Pyrene	<330 ppb		8270
01/23/07	Pyridine	<330 ppb		8270
01/23/07	p-Diethylbenzene	<5 ppb		EPA 8260
01/23/07	trans-1,3-Dichloropropene	<5 ppb		EPA 8260
01/23/07	cis-1,3-Dichloropropene	<5 ppb		EPA 8260
01/23/07	Freon 113	<5 ppb		EPA 8260
01/23/07	p-Ethyltoluene	<5 ppb		EPA 8260
01/23/07	4-Methyl-2-pentanone (MIBK)	<5 ppb		EPA 8260
01/23/07	Acrylonitrile	<5 ppb		EPA 8260
01/23/07	1,4-dioxane	<5 ppb		EPA 8260

### Impact Environmental: 07-010.1

**Mailing Information:**

**Name:** Impact Environmental  
**Address:** 170 Keyland Ct

**Collector's Information:**

**Name:** John Herbig  
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**JMS ID:** 013093

**City:** Bohemia  
**State:** NY **Zip:** 11716  
**Phone:** (631) 269-8800 **Fax:** (631) 269-1599

**City:** Bronx  
**State:** NY **Zip:**  
**Phone:**

**Sample's Information:** **Sample ID:** SP-15

**Site:** 0-1' **Date Collected:** 1/18/2007 **Date Received:** 1/19/2007  
**Preservative:** **Time Collected:** 12:00:00 PM **Time Received:** 3:30:00 PM  
**Temperature:** **Lab No.:** J0700546  
**Matrix:** Soil

Date Analyzed	Test Name	Result	MCL	Method
01/23/07	tert-Butylbenzene	<5 ppb		EPA 8260
01/23/07	MTBE	<5 ppb		EPA 8260
01/23/07	Xylenes, Total	<5 ppb		EPA 8260
01/23/07	2-Hexanone	<5 ppb		EPA 8260
01/23/07	Vinyl Acetate	<5 ppb		EPA 8260
01/23/07	2-Butanone (MEK)	<5 ppb		EPA 8260
01/23/07	Carbon disulfide	<5 ppb		EPA 8260
01/23/07	Acetone	<5 ppb		EPA 8260
01/23/07	Vinyl chloride	<5 ppb		EPA 8260
01/23/07	1,2,4-Trimethylbenzene	<5 ppb		EPA 8260
01/23/07	1,3,5-Trimethylbenzene	<5 ppb		EPA 8260
01/23/07	1,2,3-Trichloropropane	<5 ppb		EPA 8260
01/23/07	Trichlorofluoromethane	<5 ppb		EPA 8260
01/23/07	Trichloroethene	<5 ppb		EPA 8260
01/23/07	1,1,2-Trichloroethane	<5 ppb		EPA 8260
01/23/07	1,1,1-Trichloroethane	<5 ppb		EPA 8260
01/23/07	1,2,4-Trichlorobenzene	<5 ppb		EPA 8260
01/23/07	1,2,3-Trichlorobenzene	<5 ppb		EPA 8260
01/23/07	Toluene	<5 ppb		EPA 8260
01/23/07	Tetrachloroethene	<5 ppb		EPA 8260
01/23/07	1,1,2,2-Tetrachloroethane	<5 ppb		EPA 8260
01/23/07	1,1,1,2-tetrachloroethane	<5 ppb		EPA 8260
01/23/07	Styrene	<5 ppb		EPA 8260
01/23/07	n-Propylbenzene	<5 ppb		EPA 8260
01/23/07	Methylene Chloride	<5 ppb		EPA 8260
01/23/07	p-Isopropyltoluene	<5 ppb		EPA 8260
01/23/07	Isopropylbenzene	<5 ppb		EPA 8260
01/23/07	Hexachlorobutadiene	<5 ppb		EPA 8260
01/23/07	Ethylbenzene	<5 ppb		EPA 8260
01/23/07	1,1-Dichloropropene	<5 ppb		EPA 8260
01/23/07	2,2-Dichloropropane	<5 ppb		EPA 8260

CONNECTICUT, NEW YORK AND NELAC CERTIFIED

### Impact Environmental: 07-010.1

**Mailing Information:**

**Name:** Impact Environmental  
**Address:** 170 Keyland Ct

**Collector's Information:**

**Name:** John Herbig  
**Address of site:** West Farms Rd

**JMS ID:** 013093

**City:** Bohemia  
**State:** NY **Zip:** 11716  
**Phone:** (631) 269-8800 **Fax:** (631) 269-1599

**City:** Bronx  
**State:** NY **Zip:**  
**Phone:**

**Sample's Information:** **Sample ID:** SP-15

**Site:** 0-1' **Date Collected:** 1/18/2007 **Date Received:** 1/19/2007  
**Preservative:** **Time Collected:** 12:00:00 PM **Time Received:** 3:30:00 PM  
**Temperature:** **Lab No.:** J0700546  
**Matrix:** Soil

Date Analyzed	Test Name	Result	MCL	Method
01/23/07	1,3-Dichloropropane	<5 ppb		EPA 8260
01/23/07	1,2-Dichloropropane	<5 ppb		EPA 8260
01/23/07	trans-1,2-Dichloroethene	<5 ppb		EPA 8260
01/23/07	cis-1,2-Dichloroethene	<5 ppb		EPA 8260
01/23/07	1,1-Dichloroethene	<5 ppb		EPA 8260
01/23/07	1,2-Dichloroethane	<5 ppb		EPA 8260
01/23/07	1,1-Dichloroethane	<5 ppb		EPA 8260
01/23/07	Dichlorodifluoromethane	<5 ppb		EPA 8260
01/23/07	1,4-Dichlorobenzene	<5 ppb		EPA 8260
01/23/07	1,3-Dichlorobenzene	<5 ppb		EPA 8260
01/23/07	1,2-Dichlorobenzene	<5 ppb		EPA 8260
01/23/07	Dibromoethane	<5 ppb		EPA 8260
01/23/07	1,2-Dibromoethane	<5 ppb		EPA 8260
01/23/07	1,2-Dibromo-3-Chloropropane	<5 ppb		EPA 8260
01/23/07	4-Chlorotoluene	<5 ppb		EPA 8260
01/23/07	2-Chlorotoluene	<5 ppb		EPA 8260
01/23/07	Chloromethane	<5 ppb		EPA 8260
01/23/07	Chloroform	<5 ppb		EPA 8260
01/23/07	Chloroethane	<5 ppb		EPA 8260
01/23/07	Chlorodibromomethane	<5 ppb		EPA 8260
01/23/07	Chlorobenzene	<5 ppb		EPA 8260
01/23/07	Carbon tetrachloride	<5 ppb		EPA 8260
01/23/07	sec-Butylbenzene	<5 ppb		EPA 8260
01/23/07	n-Butylbenzene	<5 ppb		EPA 8260
01/23/07	Bromomethane	<5 ppb		EPA 8260
01/23/07	Bromoform	<5 ppb		EPA 8260
01/23/07	Bromodichloromethane	<5 ppb		EPA 8260
01/23/07	Bromochloromethane	<5 ppb		EPA 8260
01/23/07	Bromobenzene	<5 ppb		EPA 8260
01/23/07	Benzene	<5 ppb		EPA 8260
01/23/07	Naphthalene	<5 ppb		EPA 8260

**Impact Environmental: 07-010.1**

**Mailing Information:**

**Name:** Impact Environmental  
**Address:** 170 Keyland Ct

**City:** Bohemia

**State:** NY

**Phone:** (631) 269-8800

**Zip:** 11716

**Fax:** (631) 269-1599

**Collector's Information:**

**Name:** John Herbig  
**Address of site:** West Farms Rd

**City:** Bronx

**State:** NY

**Phone:**

**Zip:**

**JMS ID:** 013093

**Sample's Information:**

**Sample ID:** SP-15

**Site:** 0-1'

**Date Collected:** 1/18/2007

**Date Received:** 1/19/2007

**Preservative:**

**Time Collected:** 12:00:00 PM

**Time Received:** 3:30:00 PM

**Temperature:**

**Lab No.:** J0700546

**Matrix:** Soil

Date Analyzed	Test Name	Result	MCL	Method
01/23/07	1,2,4,5-tetramethylbenzene	<5 ppb		EPA 8260
01/23/07	1,3-Dichloropropene(cis and tran	<5 ppb		EPA 8260

\*Results below 330ppb fro EPA 8270 are "J" Values.

MCL = Maximum Contaminant Level  
 ppm = parts per million

N/A = Not Applicable

ppb = micrograms

**Signature:** Michael Lapman  
 Michael Lapman  
 President

**Reviewed By:** Sharon Houlahan  
 Sharon Houlahan, Director  
 State #: PH-0218 ELAP #: 11715 Ref Lab: 11301,

## **APPENDIX – C**

### **Soil Boring Logs**

# SOIL BORING LOG

Client: Monadnock Construction, Inc.	Boring No.: SB-1	Impact Environmental 170 Keyland Court Bohemia, NY 11217 (631) 269-8800
Project #: 5197-01-03-3001	Sheet 1 of 9	
Site Location: 1471, 1481, 1501 West Farms Road, 1493 Boone Ave, Bronx NY	Date: 2/13/2013	
Drilling Co: Impact Environmental	<i>FORMAT FOR CHARACTERIZATION</i>	
Method: Split Spoon and GeoProbe - MacroCore	Ex.1: brown, loose F SILTY-SAND, with some C Gravel	
Personnel: B. Hernandez Salazar, E. Perigard	Ex.2: grey & brown mottled soft CLAY and brown F SAND, with trace organics	
Total Depth: 4 ft                      Depth to Water: ~2.5 ft		

depth (feet)	PID (ppm)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery	Soil Classification	Remarks
0				0-2.5 ft		X	4" concrete cover. Fill - Light Brown Coarse Sand, trace decomposed rock.  Refusal - Bedrock	
1						X		
2	2.5 ppm		SB-1 (2')			X		
3						X		
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

TRACE = 1 - 10%                      LITTLE = 11 - 20%                      SOME = 21 - 35%                      AND = 36 - 50 %

Client: Monadnock Construction, Inc.	Boring No.: SB-2	Impact Environmental 170 Keyland Court Bohemia, NY 11217 (631) 269-8800
Project #: 5197-01-03-3001	Sheet 2 of 9	
Site Location: 1471, 1481, 1501 West Farms Road, 1493 Boone Ave, Bronx NY	Date: 2/19/2013	
Drilling Co: Impact Environmental	<i>FORMAT FOR CHARACTERIZATION</i>	
Method: Split Spoon and GeoProbe - MacroCore	<b>Ex.1:</b> brown, loose F SILTY-SAND, with some C Gravel	
Personnel: B. Hernandez Salazar, E. Perigard	<b>Ex.2:</b> grey & brown mottled soft CLAY and brown F SAND, with trace organics	
Total Depth: 14 ft      Depth to Water: ~13 ft		

depth (feet)	PID (ppm)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery	Soil Classification	Remarks
1						X	Soil/grass cover. Fill - Silty Sand with trace anthracite.	
2	0.2 ppm		SB-2 (2')			X		
3						X		
4						X		
5						X		
6						X		
7						X		
8						X		
9						X		
10						X		
11						X		
12						X		
13	165 ppm		SB-2 (14')			X		
14						X		
15							Light Brown fine sand with little silt.	
16								
17								
18								
19								
20								
							Light brown sand with petroleum stains/odor.	
							Refusal - Bedrock	

TRACE = 1 - 10%      LITTLE = 11 - 20%      SOME = 21 - 35%      AND = 36 - 50 %

Client: Monadnock Construction, Inc.	Boring No.: SB-3	Impact Environmental 170 Keyland Court Bohemia, NY 11217 (631) 269-8800
Project #: 5197-01-03-3001	Sheet 3 of 9	
Site Location: 1471, 1481, 1501 West Farms Road, 1493 Boone Ave, Bronx NY	Date: 2/25/2013	
Drilling Co: Impact Environmental	<i>FORMAT FOR CHARACTERIZATION</i> <b>Ex.1:</b> brown, loose F SILTY-SAND, with some C Gravel <b>Ex.2:</b> grey & brown mottled soft CLAY and brown F SAND, with trace organics	
Method: Split Spoon and GeoProbe - MacroCore		
Personnel: B. Hernandez Salazar, E. Perigard		
Total Depth: 4 ft      Depth to Water: ~4.5 ft		

depth (feet)	PID (ppm)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery	Soil Classification	Remarks
1						X	3" concrete cover. Fill - Brown medium coarse sand with trace silt	
2	0.2 ppm		SB-3 (2')			X		
3						X	Fill - medium coarse sand with some rock fragments. Refusal - Bedrock	
4	0.0 ppm		SB-3 (4')			X		
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

TRACE = 1 - 10%      LITTLE = 11 - 20%      SOME = 21 - 35%      AND = 36 - 50 %

Client: Monadnock Construction, Inc.	Boring No.: SB-4	Impact Environmental 170 Keyland Court Bohemia, NY 11217 (631) 269-8800
Project #: 5197-01-03-3001	Sheet 4 of 9	
Site Location: 1471, 1481, 1501 West Farms Road, 1493 Boone Ave, Bronx NY	Date: 2/28/2013	
Drilling Co: Impact Environmental	<i>FORMAT FOR CHARACTERIZATION</i> <b>Ex.1:</b> brown, loose F SILTY-SAND, with some C Gravel <b>Ex.2:</b> grey & brown mottled soft CLAY and brown F SAND, with trace organics	
Method: Split Spoon and GeoProbe - MacroCore		
Personnel: B. Hernandez Salazar, E. Perigard		
Total Depth: 8 ft      Depth to Water: ~11 ft		

depth (feet)	PID (ppm)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery	Soil Classification	Remarks
0						X	6" Concrete Cover. Fill-Medium coarse sand with some silt.	
1						X		
2	0.1 ppm		SB-4 (2')			X	Fill- Medium coarse sand with some silt, rock fragments and decomposed rock. Trace coal and slag.	
3						X		
4						X		
5						X		
6						X	Brown Medium coarse sand with trace silt, trace decomposed rock.	
7						X		
8	0.0 ppm		SB-4 (8')			X	Refusal - Bedrock	
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

TRACE = 1 - 10%

LITTLE = 11 - 20%

SOME = 21 - 35%

AND = 36 - 50 %

Client: Monadnock Construction, Inc.	Boring No.: SB-5	Impact Environmental 170 Keyland Court Bohemia, NY 11217 (631) 269-8800
Project #: 5197-01-03-3001	Sheet 5 of 9	
Site Location: 1471, 1481, 1501 West Farms Road, 1493 Boone Ave, Bronx NY	Date: 2/19/2013	
Drilling Co: Impact Environmental	<i>FORMAT FOR CHARACTERIZATION</i> <b>Ex.1:</b> brown, loose F SILTY-SAND, with some C Gravel <b>Ex.2:</b> grey & brown mottled soft CLAY and brown F SAND, with trace organics	
Method: Split Spoon and GeoProbe - MacroCore		
Personnel: B. Hernandez Salazar, E. Perigard		
Total Depth: 10 ft. Depth to Water: ND		

depth (feet)	PID (ppm)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery	Soil Classification	Remarks
1						X	Soil/grass cover. Fill - Dark brown medium coarse sand and silt	
2	0.1 ppm		SB-5 (2')			X		
3						X		
4						X		
5						X	Fill - Light brown fine sand with trace silt.	
6						X		
7						X		
8						X		
9						X	Light brown coarse sand with trace silt and rock fragments	
10	0.1 ppm		SB-5 (10')			X		
11								
12								
13							Refusal - Bedrock	
14								
15								
16								
17								
18								
19								
20								

TRACE = 1 - 10%

LITTLE = 11 - 20%

SOME = 21 - 35%

AND = 36 - 50 %

Client: Monadnock Construction, Inc.	Boring No.: SB-6	Impact Environmental 170 Keyland Court Bohemia, NY 11217 (631) 269-8800
Project #: 5197-01-03-3001	Sheet 6 of 9	
Site Location: 1471, 1481, 1501 West Farms Road, 1493 Boone Ave, Bronx NY	Date: 2/19/2013	
Drilling Co: Impact Environmental	<i>FORMAT FOR CHARACTERIZATION</i> <b>Ex.1:</b> brown, loose F SILTY-SAND, with some C Gravel <b>Ex.2:</b> grey & brown mottled soft CLAY and brown F SAND, with trace organics	
Method: Split Spoon and GeoProbe - MacroCore		
Personnel: B. Hernandez Salazar, E. Perigard		
Total Depth: 10 ft. Depth to Water: ND		

depth (feet)	PID (ppm)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery	Soil Classification	Remarks
1						X	Soil / grass cover. Fill - Light brown medium coarse sand and silty clay	
2	1.2 ppm		SB-6 (2')			X		
3						X		
4						X		
5						X		
6						X	Light brown fine sand with trace silt	
7						X		
8						X		
9						X		
10	0.2 ppm		SB-6 (10')			X		
11							Refusal - Bedrock	
12								
13								
14								
15								
16								
17								
18								
19								
20								

TRACE = 1 - 10%

LITTLE = 11 - 20%

SOME = 21 - 35%

AND = 36 - 50 %

Client: Monadnock Construction, Inc.	Boring No.: SB-7	Impact Environmental 170 Keyland Court Bohemia, NY 11217 (631) 269-8800
Project #: 5197-01-03-3001	Sheet 7 of 9	
Site Location: 1471, 1481, 1501 West Farms Road, 1493 Boone Ave, Bronx NY	Date: 3/4/2013	
Drilling Co: Impact Environmental	<i>FORMAT FOR CHARACTERIZATION</i>	
Method: Split Spoon and GeoProbe - MacroCore	<b>Ex.1:</b> brown, loose F SILTY-SAND, with some C Gravel	
Personnel: B. Hernandez Salazar, E. Perigard	<b>Ex.2:</b> grey & brown mottled soft CLAY and brown F SAND, with trace organics	
Total Depth: 2 ft.                      Depth to Water: 2.5 ft		

depth (feet)	PID (ppm)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery	Soil Classification	Remarks
1						X	8" concrete cover. Fill - Crushed stone/gravel with little brown medium coarse sand. Trece decomposed rock fragments	
2	1.1 ppm		SB-7 (2')			X		
3							Refusal - Bedrock	
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

TRACE = 1 - 10%                      LITTLE = 11 - 20%                      SOME = 21 - 35%                      AND = 36 - 50 %

Client: Monadnock Construction, Inc.	Boring No.: SB-8	Impact Environmental 170 Keyland Court Bohemia, NY 11217 (631) 269-8800
Project #: 5197-01-03-3001	Sheet 8 of 9	
Site Location: 1471, 1481, 1501 West Farms Road, 1493 Boone Ave, Bronx NY	Date: 3/4/2013	
Drilling Co: Impact Environmental	<i>FORMAT FOR CHARACTERIZATION</i> <b>Ex.1:</b> brown, loose F SILTY-SAND, with some C Gravel <b>Ex.2:</b> grey & brown mottled soft CLAY and brown F SAND, with trace organics	
Method: Split Spoon and GeoProbe - MacroCore		
Personnel: B. Hernandez Salazar, E. Perigard		
Total Depth: 2 ft.                      Depth to Water: 1.5 ft		

depth (feet)	PID (ppm)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery	Soil Classification	Remarks
1						X	8" concrete cover. Fill - Crushed stone/gravel with little brown medium coarse sand. Trece decomposed rock fragments Refusal - Bedrock	
2	1.3 ppm		SB-8 (2')			X		
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

TRACE = 1 - 10%                      LITTLE = 11 - 20%                      SOME = 21 - 35%                      AND = 36 - 50 %

Client: Monadnock Construction, Inc.	Boring No.: SB-9	Impact Environmental 170 Keyland Court Bohemia, NY 11217 (631) 269-8800
Project #: 5197-01-03-3001	Sheet 9 of 9	
Site Location: 1471, 1481, 1501 West Farms Road, 1493 Boone Ave, Bronx NY	Date: 3/19/2013	
Drilling Co: Impact Environmental	<i>FORMAT FOR CHARACTERIZATION</i> <b>Ex.1:</b> brown, loose F SILTY-SAND, with some C Gravel <b>Ex.2:</b> grey & brown mottled soft CLAY and brown F SAND, with trace organics	
Method: Split Spoon and GeoProbe - MacroCore		
Personnel: B. Hernandez Salazar, E. Perigard		
Total Depth: 12 ft.                      Depth to Water: ND		

depth (feet)	PID (ppm)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery	Soil Classification	Remarks
0						X		
1						X		3" concrete cover. Fill - Light brown fine sand underlain with 4" insulation foam.
2	17.8 ppm		SB-9 (2')			X		Fill- dark brown medium coarse sand with some stone fragments.
3						X		Light brown silty sand.
4						X		
5						X		
6						X		Light brown silt, trace rock fragments
7						X		
8						X		Light brown medium coarse sand with some silt.
9						X		
10						X		
11						X		
12	0.0 ppm		SB-9 (12')			X		Refusal - Bedrock
13								
14								
15								
16								
17								
18								
19								
20								

TRACE = 1 - 10%

LITTLE = 11 - 20%

SOME = 21 - 35%

AND = 36 - 50 %

## **APPENDIX – D**

### **Soil Vapor Logs**



### Air/Soil Gas Sampling Form

Project #: 5197-01-03-3001

Date: March 20, 2013

Project Name: Compass Residences

Investigator: B. Hernandez Salazar

Type of Sample:

**Soil Gas**

Sample Location:

Canister Record:

SV-2  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Canister ID: 748  
Flow regulator ID: 0304  
Sample duration: 2-Hours  
Sampling rate: 0.0417 L/min

Sample ID: SV-2  
Date/Time start: 03/20/13, 9:03 AM  
Date/Time end: 03/20/13, 11:15 AM

Regulator: 2-HR  
Start pressure: -29.90 in.Hg  
End pressure: -3.82 in.Hg

Air temperature (°F): 40  
Barometric pressure: 29.84 in.  
PID reading (ppm): 0.0 ppm

PID Meter: MiniRae 3000  
Vacuum/Air pump: Low flow sample pump  
Type/ft. tubing used: ¼ in polyethylene

Noticeable odor: None  
Floor slab depth (ft.): 0.25 ft  
Ground surface type: Concrete  
Room: Parking area  
Story/level: Outdoor grade level  
Intake depth below floor (ft.): 2 ft

Analytical method required: EPA Method TO-15  
Laboratory used: Alpha Analytical

Comments: Vapor point purged and Helium tracer gas introduced into containment can.



### Air/Soil Gas Sampling Form

Project #: 5197-01-03-3001

Date: March 20, 2013

Project Name: Compass Residences

Investigator: B. Hernandez Salazar

Type of Sample:

**Soil Gas**

Sample Location:

SV-3  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Canister Record:

Canister ID: 1534  
Flow regulator ID: 0321  
Sample duration: 2-Hours  
Sampling rate: 0.0417 L/min

Sample ID: SV-3  
Date/Time start: 03/20/13, 9:29 AM  
Date/Time end: 03/20/13, 11:39 AM

Regulator: 2-HR  
Start pressure: -26.71 in.Hg  
End pressure: -3.07 in.Hg

Air temperature (°F): 40  
Barometric pressure: 29.84 in.Hg  
PID reading (ppm): 0.1 ppm

PID Meter: MiniRae 3000  
Vacuum/Air pump: Low flow sample pump  
Type/ft. tubing used: ¼ in polyethylene

Noticeable odor: None  
Floor slab depth (ft.): n/a  
Ground surface type: grass/soil  
Room: Outdoor  
Story/level: Grade level  
Intake depth below floor (ft.): 5 ft

Analytical method required: EPA Method TO-15  
Laboratory used: Alpha Analytical

Comments: Vapor point purged and Helium tracer gas introduced into containment can.



### Air/Soil Gas Sampling Form

Project #: 5197-01-03-3001

Date: March 19, 2013

Project Name: Compass Residences

Investigator: B. Hernandez Salazar

Type of Sample:

**Soil Gas**

Sample Location:

Canister Record:

SV-4  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Canister ID: 971  
Flow regulator ID: 0267  
Sample duration: 2-Hours  
Sampling rate: 0.0417 L/min

Sample ID: SV-4  
Date/Time start: 03/19/13, 3:41 PM  
Date/Time end: 03/19/13, 5:41 PM

Regulator: 2-HR  
Start pressure: -29.70 in.Hg  
End pressure: -2.53 in.Hg

Air temperature (°F): 37  
Barometric pressure: 29.79 in.Hg  
PID reading (ppm): 0.1 ppm

PID Meter: MiniRae 3000  
Vacuum/Air pump: Low flow sample pump  
Type/ft. tubing used: ¼ in polyethylene

Noticeable odor: None  
Floor slab depth (ft.): 0.25 ft  
Ground surface type: Concrete  
Room: Ramp to workshop area  
Story/level: First Floor  
Intake depth below floor (ft.): 5 ft

Analytical method required: EPA Method TO-15  
Laboratory used: Alpha Analytical

Comments: Vapor point purged and Helium tracer gas introduced into containment can.



### Air/Soil Gas Sampling Form

Project #: 5197-01-03-3001

Date: March 20, 2013

Project Name: Compass Residences

Investigator: B. Hernandez Salazar

Type of Sample:

**Soil Gas**

Sample Location:

SV-5  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Canister Record:

Canister ID: 1545  
Flow regulator ID: 0333  
Sample duration: 2-Hours  
Sampling rate: 0.0417 L/min

Sample ID: SV-5  
Date/Time start: 03/20/13, 10:11 AM  
Date/Time end: 03/20/13, 12:11 PM

Regulator: 2-HR  
Start pressure: -26.75 in.Hg  
End pressure: -1.07 in.Hg

Air temperature (°F): 43  
Barometric pressure: 29.84 in.Hg  
PID reading (ppm): 0.3 ppm

PID Meter: MiniRae 3000  
Vacuum/Air pump: Low flow sample pump  
Type/ft. tubing used: ¼ in polyethylene

Noticeable odor: None  
Floor slab depth (ft.): 0.67 ft  
Ground surface type: Concrete  
Room: Ramp to upper work shop  
Story/level: Grade  
Intake depth below floor (ft.): 5 ft

Analytical method required: EPA Method TO-15  
Laboratory used: Alpha Analytical

Comments: Vapor point purged and Helium tracer gas introduced into containment can.



### Air/Soil Gas Sampling Form

Project #: 5197-01-03-3001

Date: March 20, 2013

Project Name: Compass Residences

Investigator: B. Hernandez Salazar

Type of Sample:  
:

**Soil Gas**

Sample Location:

Canister Record:

SV-6  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Canister ID: 1624  
Flow regulator ID: 0309  
Sample duration: 2-Hours  
Sampling rate: 0.0417 L/min

Sample ID: SV-5  
Date/Time start: 03/20/13, 9:59 AM  
Date/Time end: 03/20/13, 11:59PM

Regulator: 2-HR  
Start pressure: -29.68 in.Hg  
End pressure: -2.98 in.Hg

Air temperature (°F): 41  
Barometric pressure: 29.84 in.Hg  
PID reading (ppm): 1.2 ppm

PID Meter: MiniRae 3000  
Vacuum/Air pump: Low flow sample pump  
Type/ft. tubing used: ¼ in polyethylene

Noticeable odor: None  
Floor slab depth (ft.): 0.1 ft  
Ground surface type: Concrete  
Room: Former auto repair shop  
Story/level: First Floor  
Intake depth below floor (ft.): 5 ft

Analytical method required: EPA Method TO-15  
Laboratory used: Alpha Analytical

Comments: Vapor point purged and Helium tracer gas introduced into containment can.

# **APPENDIX – E**

## **Laboratory Reports**

# **APPENDIX – E**

## **Laboratory Reports**



## ANALYTICAL REPORT

Lab Number:	L1302738
Client:	Impact Environmental 170 Keyland Ct Bohemia, NY 11716
ATTN:	Ben Hernandez-Salazar
Phone:	(631) 269-8800
Project Name:	COMPASS RESIDENCE
Project Number:	5197-01-03-3001
Report Date:	02/22/13

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

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Eight Walkup Drive, Westborough, MA 01581-1019  
508-898-9220 (Fax) 508-898-9193 800-624-9220 - [www.alphalab.com](http://www.alphalab.com)



**Project Name:** COMPASS RESIDENCE  
**Project Number:** 5197-01-03-3001

**Lab Number:** L1302738  
**Report Date:** 02/22/13

<b>Alpha Sample ID</b>	<b>Client ID</b>	<b>Sample Location</b>	<b>Collection Date/Time</b>
L1302738-01	SB-1 (0-2') GRAB	1471 WEST FARMS RD.	02/13/13 11:00

**Project Name:** COMPASS RESIDENCE  
**Project Number:** 5197-01-03-3001

**Lab Number:** L1302738  
**Report Date:** 02/22/13

### Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

#### HOLD POLICY

For samples submitted on hold, Alpha's policy is to hold samples free of charge for 30 days from the date the project is completed. After 30 days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

**Project Name:** COMPASS RESIDENCE  
**Project Number:** 5197-01-03-3001

**Lab Number:** L1302738  
**Report Date:** 02/22/13

**Case Narrative (continued)**

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Volatile Organics

Any reported concentrations that are below 200ug/kg may be biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:  Elizabeth Simmons

Title: Technical Director/Representative

Date: 02/22/13

# ORGANICS

# VOLATILES

**Project Name:** COMPASS RESIDENCE**Lab Number:** L1302738**Project Number:** 5197-01-03-3001**Report Date:** 02/22/13**SAMPLE RESULTS**

Lab ID: L1302738-01  
 Client ID: SB-1 (0-2') GRAB  
 Sample Location: 1471 WEST FARMS RD.  
 Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 02/16/13 22:39  
 Analyst: JC  
 Percent Solids: 93%

Date Collected: 02/13/13 11:00  
 Date Received: 02/16/13  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	2.5	J	ug/kg	11	2.2	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.32	1
Chloroform	ND		ug/kg	1.6	0.35	1
Carbon tetrachloride	ND		ug/kg	1.1	0.23	1
Tetrachloroethene	ND		ug/kg	1.1	0.33	1
Chlorobenzene	ND		ug/kg	1.1	0.20	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.24	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.29	1
Benzene	ND		ug/kg	1.1	0.32	1
Toluene	ND		ug/kg	1.6	0.26	1
Ethylbenzene	0.24	J	ug/kg	1.1	0.24	1
Vinyl chloride	ND		ug/kg	2.2	0.81	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.28	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.42	1
Trichloroethene	ND		ug/kg	1.1	0.24	1
1,2-Dichlorobenzene	ND		ug/kg	5.4	0.39	1
1,3-Dichlorobenzene	ND		ug/kg	5.4	0.43	1
1,4-Dichlorobenzene	ND		ug/kg	5.4	0.45	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.52	1
p/m-Xylene	1.3	J	ug/kg	2.2	0.46	1
o-Xylene	1.0	J	ug/kg	2.2	0.45	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.32	1
Acetone	130		ug/kg	11	3.5	1
2-Butanone	ND		ug/kg	11	4.2	1
n-Butylbenzene	ND		ug/kg	1.1	0.34	1
sec-Butylbenzene	ND		ug/kg	1.1	0.30	1
tert-Butylbenzene	ND		ug/kg	5.4	0.65	1
n-Propylbenzene	ND		ug/kg	1.1	0.30	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.4	0.65	1
1,2,4-Trimethylbenzene	1.2	J	ug/kg	5.4	0.62	1
1,4-Dioxane	ND		ug/kg	110	19.	1

**Project Name:** COMPASS RESIDENCE**Lab Number:** L1302738**Project Number:** 5197-01-03-3001**Report Date:** 02/22/13**SAMPLE RESULTS**

Lab ID: L1302738-01  
 Client ID: SB-1 (0-2') GRAB  
 Sample Location: 1471 WEST FARMS RD.

Date Collected: 02/13/13 11:00  
 Date Received: 02/16/13  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by GC/MS - Westborough Lab						
--	--	--	--	--	--	--

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	81		70-130

Project Name: COMPASS RESIDENCE

Lab Number: L1302738

Project Number: 5197-01-03-3001

Report Date: 02/22/13

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260C  
 Analytical Date: 02/16/13 14:44  
 Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG590645-3					
Methylene chloride	ND		ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.30
Chloroform	ND		ug/kg	1.5	0.32
Carbon tetrachloride	ND		ug/kg	1.0	0.21
Tetrachloroethene	ND		ug/kg	1.0	0.31
Chlorobenzene	ND		ug/kg	1.0	0.19
1,2-Dichloroethane	ND		ug/kg	1.0	0.23
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.27
Benzene	ND		ug/kg	1.0	0.30
Toluene	ND		ug/kg	1.5	0.24
Ethylbenzene	ND		ug/kg	1.0	0.22
Vinyl chloride	ND		ug/kg	2.0	0.75
1,1-Dichloroethene	ND		ug/kg	1.0	0.26
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.39
Trichloroethene	ND		ug/kg	1.0	0.22
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.36
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.40
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.42
Methyl tert butyl ether	ND		ug/kg	2.0	0.49
p/m-Xylene	ND		ug/kg	2.0	0.43
o-Xylene	ND		ug/kg	2.0	0.42
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.30
Acetone	ND		ug/kg	10	3.2
2-Butanone	ND		ug/kg	10	3.9
n-Butylbenzene	ND		ug/kg	1.0	0.31
sec-Butylbenzene	ND		ug/kg	1.0	0.28
tert-Butylbenzene	ND		ug/kg	5.0	0.60
n-Propylbenzene	ND		ug/kg	1.0	0.28
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.60
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
1,4-Dioxane	ND		ug/kg	100	17.

Project Name: COMPASS RESIDENCE

Lab Number: L1302738

Project Number: 5197-01-03-3001

Report Date: 02/22/13

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260C  
 Analytical Date: 02/16/13 14:44  
 Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
-----------	--------	-----------	-------	----	-----

Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG590645-3

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	95		70-130

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: COMPASS RESIDENCE

Lab Number: L1302738

Project Number: 5197-01-03-3001

Report Date: 02/22/13

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG590645-1 WG590645-2								
Methylene chloride	93		90		70-130	3		30
1,1-Dichloroethane	95		90		70-130	5		30
Chloroform	94		90		70-130	4		30
Carbon tetrachloride	88		83		70-130	6		30
1,2-Dichloropropane	95		92		70-130	3		30
Dibromochloromethane	90		89		70-130	1		30
2-Chloroethylvinyl ether	95		92			3		30
1,1,2-Trichloroethane	97		96		70-130	1		30
Tetrachloroethene	91		86		70-130	6		30
Chlorobenzene	94		90		70-130	4		30
Trichlorofluoromethane	92		86		70-139	7		30
1,2-Dichloroethane	97		95		70-130	2		30
1,1,1-Trichloroethane	91		86		70-130	6		30
Bromodichloromethane	92		90		70-130	2		30
trans-1,3-Dichloropropene	95		94		70-130	1		30
cis-1,3-Dichloropropene	94		93		70-130	1		30
1,1-Dichloropropene	92		86		70-130	7		30
Bromoform	85		88		70-130	3		30
1,1,2,2-Tetrachloroethane	96		96		70-130	0		30
Benzene	93		88		70-130	6		30
Toluene	94		89		70-130	5		30

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: COMPASS RESIDENCE

Lab Number: L1302738

Project Number: 5197-01-03-3001

Report Date: 02/22/13

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG590645-1 WG590645-2								
Ethylbenzene	93		88		70-130	6		30
Chloromethane	74		70		52-130	6		30
Bromomethane	83		80		57-147	4		30
Vinyl chloride	81		74		67-130	9		30
Chloroethane	99		90		50-151	10		30
1,1-Dichloroethene	88		82		65-135	7		30
trans-1,2-Dichloroethene	90		85		70-130	6		30
Trichloroethene	92		87		70-130	6		30
1,2-Dichlorobenzene	95		93		70-130	2		30
1,3-Dichlorobenzene	94		92		70-130	2		30
1,4-Dichlorobenzene	94		92		70-130	2		30
Methyl tert butyl ether	95		94		66-130	1		30
p/m-Xylene	92		89		70-130	3		30
o-Xylene	93		90		70-130	3		30
cis-1,2-Dichloroethene	93		89		70-130	4		30
Dibromomethane	96		93		70-130	3		30
Styrene	94		91		70-130	3		30
Dichlorodifluoromethane	62		58		30-146	7		30
Acetone	106		97		54-140	9		30
Carbon disulfide	85		80		59-130	6		30
2-Butanone	94		88		70-130	7		30

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: COMPASS RESIDENCE

Lab Number: L1302738

Project Number: 5197-01-03-3001

Report Date: 02/22/13

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG590645-1 WG590645-2								
Vinyl acetate	99		97		70-130	2		30
4-Methyl-2-pentanone	99		95		70-130	4		30
1,2,3-Trichloropropane	98		94		68-130	4		30
2-Hexanone	97		94		70-130	3		30
Bromochloromethane	97		94		70-130	3		30
2,2-Dichloropropane	92		88		70-130	4		30
1,2-Dibromoethane	95		94		70-130	1		30
1,3-Dichloropropane	97		94		69-130	3		30
1,1,1,2-Tetrachloroethane	91		89		70-130	2		30
Bromobenzene	93		92		70-130	1		30
n-Butylbenzene	95		90		70-130	5		30
sec-Butylbenzene	93		88		70-130	6		30
tert-Butylbenzene	91		88		70-130	3		30
o-Chlorotoluene	92		89		70-130	3		30
p-Chlorotoluene	94		92		70-130	2		30
1,2-Dibromo-3-chloropropane	98		82		68-130	18		30
Hexachlorobutadiene	93		88		67-130	6		30
Isopropylbenzene	91		88		70-130	3		30
p-Isopropyltoluene	92		89		70-130	3		30
Naphthalene	96		95		70-130	1		30
Acrylonitrile	100		98		70-130	2		30

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: COMPASS RESIDENCE

Lab Number: L1302738

Project Number: 5197-01-03-3001

Report Date: 02/22/13

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG590645-1 WG590645-2								
Isopropyl Ether	98		95		66-130	3		30
tert-Butyl Alcohol	91		88		70-130	3		30
n-Propylbenzene	93		89		70-130	4		30
1,2,3-Trichlorobenzene	97		95		70-130	2		30
1,2,4-Trichlorobenzene	97		95		70-130	2		30
1,3,5-Trimethylbenzene	93		89		70-130	4		30
1,2,4-Trimethylbenzene	93		90		70-130	3		30
Methyl Acetate	95		92		70-130	3		30
Ethyl Acetate	100		95		70-130	5		30
Acrolein	90		90		70-130	0		30
Cyclohexane	94		88		70-130	7		30
1,4-Dioxane	114		112		65-136	2		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	90		84		70-130	7		30
1,4-Diethylbenzene	94		90		70-130	4		30
4-Ethyltoluene	93		89		70-130	4		30
1,2,4,5-Tetramethylbenzene	95		93		70-130	2		30
Tetrahydrofuran	99		94		66-130	5		30
Ethyl ether	96		94		67-130	2		30
trans-1,4-Dichloro-2-butene	99		96		70-130	3		30
Methyl cyclohexane	94		88		70-130	7		30
Ethyl-Tert-Butyl-Ether	97		95		70-130	2		30

### Lab Control Sample Analysis Batch Quality Control

**Project Name:** COMPASS RESIDENCE  
**Project Number:** 5197-01-03-3001

**Lab Number:** L1302738  
**Report Date:** 02/22/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG590645-1 WG590645-2								
Tertiary-Amyl Methyl Ether	94		92		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	100		100		70-130
Toluene-d8	100		100		70-130
4-Bromofluorobenzene	99		101		70-130
Dibromofluoromethane	97		98		70-130

# SEMIVOLATILES

**Project Name:** COMPASS RESIDENCE**Lab Number:** L1302738**Project Number:** 5197-01-03-3001**Report Date:** 02/22/13**SAMPLE RESULTS**

Lab ID: L1302738-01  
 Client ID: SB-1 (0-2') GRAB  
 Sample Location: 1471 WEST FARMS RD.  
 Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 02/21/13 14:45  
 Analyst: JB  
 Percent Solids: 93%

Date Collected: 02/13/13 11:00  
 Date Received: 02/16/13  
 Field Prep: Not Specified  
 Extraction Method: EPA 3546  
 Extraction Date: 02/16/13 10:46

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	ND		ug/kg	140	38.	1
Hexachlorobenzene	ND		ug/kg	100	27.	1
Fluoranthene	ND		ug/kg	100	23.	1
Naphthalene	ND		ug/kg	180	56.	1
Benzo(a)anthracene	ND		ug/kg	100	35.	1
Benzo(a)pyrene	ND		ug/kg	140	42.	1
Benzo(b)fluoranthene	ND		ug/kg	100	31.	1
Benzo(k)fluoranthene	ND		ug/kg	100	27.	1
Chrysene	ND		ug/kg	100	27.	1
Acenaphthylene	ND		ug/kg	140	46.	1
Anthracene	ND		ug/kg	100	24.	1
Benzo(ghi)perylene	ND		ug/kg	140	44.	1
Fluorene	ND		ug/kg	180	32.	1
Phenanthrene	ND		ug/kg	100	29.	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	32.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	43.	1
Pyrene	ND		ug/kg	100	29.	1
Dibenzofuran	ND		ug/kg	180	36.	1
Pentachlorophenol	ND		ug/kg	140	42.	1
Phenol	ND		ug/kg	180	55.	1
2-Methylphenol	ND		ug/kg	180	43.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	76.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	61		25-120
Phenol-d6	62		10-120
Nitrobenzene-d5	61		23-120
2-Fluorobiphenyl	57		30-120
2,4,6-Tribromophenol	67		0-136
4-Terphenyl-d14	74		18-120

Project Name: COMPASS RESIDENCE

Lab Number: L1302738

Project Number: 5197-01-03-3001

Report Date: 02/22/13

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8270D  
 Analytical Date: 02/22/13 10:27  
 Analyst: JB

Extraction Method: EPA 3546  
 Extraction Date: 02/16/13 10:46

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG590554-1					
Acenaphthene	ND		ug/kg	130	36.
Hexachlorobenzene	ND		ug/kg	99	26.
Fluoranthene	ND		ug/kg	99	22.
Naphthalene	ND		ug/kg	160	52.
Benzo(a)anthracene	ND		ug/kg	99	33.
Benzo(a)pyrene	ND		ug/kg	130	39.
Benzo(b)fluoranthene	ND		ug/kg	99	29.
Benzo(k)fluoranthene	ND		ug/kg	99	25.
Chrysene	ND		ug/kg	99	26.
Acenaphthylene	ND		ug/kg	130	43.
Anthracene	ND		ug/kg	99	23.
Benzo(ghi)perylene	ND		ug/kg	130	42.
Fluorene	ND		ug/kg	160	30.
Phenanthrene	ND		ug/kg	99	28.
Dibenzo(a,h)anthracene	ND		ug/kg	99	31.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	40.
Pyrene	ND		ug/kg	99	27.
Dibenzofuran	ND		ug/kg	160	34.
Pentachlorophenol	ND		ug/kg	130	39.
Phenol	ND		ug/kg	160	52.
2-Methylphenol	ND		ug/kg	160	41.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	71.

Project Name: COMPASS RESIDENCE

Lab Number: L1302738

Project Number: 5197-01-03-3001

Report Date: 02/22/13

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8270D  
 Analytical Date: 02/22/13 10:27  
 Analyst: JB

Extraction Method: EPA 3546  
 Extraction Date: 02/16/13 10:46

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG590554-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	66		25-120
Phenol-d6	69		10-120
Nitrobenzene-d5	66		23-120
2-Fluorobiphenyl	63		30-120
2,4,6-Tribromophenol	56		0-136
4-Terphenyl-d14	71		18-120

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: COMPASS RESIDENCE

Lab Number: L1302738

Project Number: 5197-01-03-3001

Report Date: 02/22/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG590554-2 WG590554-3								
Acenaphthene	79		81		31-137	3		50
1,2,4-Trichlorobenzene	77		80		38-107	4		50
Hexachlorobenzene	81		81		40-140	0		50
Bis(2-chloroethyl)ether	79		85		40-140	7		50
2-Chloronaphthalene	80		86		40-140	7		50
1,2-Dichlorobenzene	77		81		40-140	5		50
1,3-Dichlorobenzene	77		80		40-140	4		50
1,4-Dichlorobenzene	77		80		28-104	4		50
3,3'-Dichlorobenzidine	48		36	Q	40-140	29		50
2,4-Dinitrotoluene	91	Q	92	Q	28-89	1		50
2,6-Dinitrotoluene	90		97		40-140	7		50
Fluoranthene	92		90		40-140	2		50
4-Chlorophenyl phenyl ether	82		84		40-140	2		50
4-Bromophenyl phenyl ether	88		89		40-140	1		50
Bis(2-chloroisopropyl)ether	83		90		40-140	8		50
Bis(2-chloroethoxy)methane	82		89		40-117	8		50
Hexachlorobutadiene	78		82		40-140	5		50
Hexachlorocyclopentadiene	65		60		40-140	8		50
Hexachloroethane	79		84		40-140	6		50
Isophorone	87		98		40-140	12		50
Naphthalene	78		82		40-140	5		50

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: COMPASS RESIDENCE

Lab Number: L1302738

Project Number: 5197-01-03-3001

Report Date: 02/22/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG590554-2 WG590554-3								
Nitrobenzene	86		90		40-140	5		50
NitrosoDiPhenylAmine(NDPA)/DPA	87		89			2		50
n-Nitrosodi-n-propylamine	86		95		32-121	10		50
Bis(2-Ethylhexyl)phthalate	93		96		40-140	3		50
Butyl benzyl phthalate	87		88		40-140	1		50
Di-n-butylphthalate	100		101		40-140	1		50
Di-n-octylphthalate	91		91		40-140	0		50
Diethyl phthalate	93		94		40-140	1		50
Dimethyl phthalate	88		89		40-140	1		50
Benzo(a)anthracene	96		92		40-140	4		50
Benzo(a)pyrene	99		94		40-140	5		50
Benzo(b)fluoranthene	93		92		40-140	1		50
Benzo(k)fluoranthene	93		89		40-140	4		50
Chrysene	86		82		40-140	5		50
Acenaphthylene	84		91		40-140	8		50
Anthracene	90		88		40-140	2		50
Benzo(ghi)perylene	91		84		40-140	8		50
Fluorene	86		86		40-140	0		50
Phenanthrene	84		82		40-140	2		50
Dibenzo(a,h)anthracene	92		88		40-140	4		50
Indeno(1,2,3-cd)Pyrene	82		78		40-140	5		50

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: COMPASS RESIDENCE

Lab Number: L1302738

Project Number: 5197-01-03-3001

Report Date: 02/22/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG590554-2 WG590554-3								
Pyrene	88		87		35-142	1		50
Biphenyl	75		75			0		50
4-Chloroaniline	38	Q	34	Q	40-140	11		50
2-Nitroaniline	87		96		47-134	10		50
3-Nitroaniline	58		48		26-129	19		50
4-Nitroaniline	91		90		41-125	1		50
Dibenzofuran	81		81		40-140	0		50
2-Methylnaphthalene	79		86		40-140	8		50
1,2,4,5-Tetrachlorobenzene	73		73		40-117	0		50
Acetophenone	78		85		14-144	9		50
2,4,6-Trichlorophenol	92		99		30-130	7		50
P-Chloro-M-Cresol	90		96		26-103	6		50
2-Chlorophenol	82		89		25-102	8		50
2,4-Dichlorophenol	82		88		30-130	7		50
2,4-Dimethylphenol	81		88		30-130	8		50
2-Nitrophenol	88		97		30-130	10		50
4-Nitrophenol	95		101		11-114	6		50
2,4-Dinitrophenol	58		61		4-130	5		50
4,6-Dinitro-o-cresol	78		84		10-130	7		50
Pentachlorophenol	77		76		17-109	1		50
Phenol	80		85		26-90	6		50

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: COMPASS RESIDENCE

Lab Number: L1302738

Project Number: 5197-01-03-3001

Report Date: 02/22/13

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG590554-2 WG590554-3								
2-Methylphenol	83		90		30-130.	8		50
3-Methylphenol/4-Methylphenol	86		93		30-130	8		50
2,4,5-Trichlorophenol	86		94		30-130	9		50
Benzoic Acid	26		26			0		50
Benzyl Alcohol	85		98		40-140	14		50
Carbazole	89		88		54-128	1		50

Surrogate	LCS		LCSD		Acceptance Criteria
	%Recovery	Qual	%Recovery	Qual	
2-Fluorophenol	83		89		25-120
Phenol-d6	85		92		10-120
Nitrobenzene-d5	84		92		23-120
2-Fluorobiphenyl	79		86		30-120
2,4,6-Tribromophenol	88		88		0-136
4-Terphenyl-d14	87		85		18-120

# PCBS

**Project Name:** COMPASS RESIDENCE**Lab Number:** L1302738**Project Number:** 5197-01-03-3001**Report Date:** 02/22/13**SAMPLE RESULTS**

Lab ID: L1302738-01  
 Client ID: SB-1 (0-2') GRAB  
 Sample Location: 1471 WEST FARMS RD.  
 Matrix: Soil  
 Analytical Method: 1,8082A  
 Analytical Date: 02/18/13 15:17  
 Analyst: SH  
 Percent Solids: 93%

Date Collected: 02/13/13 11:00  
 Date Received: 02/16/13  
 Field Prep: Not Specified  
 Extraction Method: EPA 3546  
 Extraction Date: 02/16/13 09:47  
 Cleanup Method1: EPA 3665A  
 Cleanup Date1: 02/18/13  
 Cleanup Method2: EPA 3660B  
 Cleanup Date2: 02/18/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Polychlorinated Biphenyls by GC - Westborough Lab</b>						
Aroclor 1016	ND		ug/kg	34.8	6.88	1
Aroclor 1221	ND		ug/kg	34.8	10.5	1
Aroclor 1232	ND		ug/kg	34.8	7.40	1
Aroclor 1242	ND		ug/kg	34.8	6.61	1
Aroclor 1248	ND		ug/kg	34.8	4.22	1
Aroclor 1254	ND		ug/kg	34.8	5.49	1
Aroclor 1260	ND		ug/kg	34.8	6.05	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	78		30-150
Decachlorobiphenyl	75		30-150
2,4,5,6-Tetrachloro-m-xylene	74		30-150
Decachlorobiphenyl	84		30-150

**Project Name:** COMPASS RESIDENCE**Lab Number:** L1302738**Project Number:** 5197-01-03-3001**Report Date:** 02/22/13

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8082A  
 Analytical Date: 02/18/13 14:37  
 Analyst: SH

Extraction Method: EPA 3546  
 Extraction Date: 02/16/13 09:47  
 Cleanup Method1: EPA 3665A  
 Cleanup Date1: 02/18/13  
 Cleanup Method2: EPA 3660B  
 Cleanup Date2: 02/18/13

Parameter	Result	Qualifier	Units	RL	MDL
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01 Batch: WG590552-1					
Aroclor 1016	ND		ug/kg	32.6	6.43
Aroclor 1221	ND		ug/kg	32.6	9.82
Aroclor 1232	ND		ug/kg	32.6	6.91
Aroclor 1242	ND		ug/kg	32.6	6.18
Aroclor 1248	ND		ug/kg	32.6	3.94
Aroclor 1254	ND		ug/kg	32.6	5.13
Aroclor 1260	ND		ug/kg	32.6	5.65

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	78		30-150
Decachlorobiphenyl	71		30-150
2,4,5,6-Tetrachloro-m-xylene	74		30-150
Decachlorobiphenyl	76		30-150

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: COMPASS RESIDENCE

Lab Number: L1302738

Project Number: 5197-01-03-3001

Report Date: 02/22/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01 Batch: WG590552-2 WG590552-3								
Aroclor 1016	72		72		40-140	0		50
Aroclor 1260	66		66		40-140	0		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	49		47		30-150
Decachlorobiphenyl	63		60		30-150
2,4,5,6-Tetrachloro-m-xylene	45		44		30-150
Decachlorobiphenyl	66		62		30-150

# PESTICIDES

**Project Name:** COMPASS RESIDENCE  
**Project Number:** 5197-01-03-3001

**Lab Number:** L1302738  
**Report Date:** 02/22/13

**SAMPLE RESULTS**

Lab ID: L1302738-01  
 Client ID: SB-1 (0-2') GRAB  
 Sample Location: 1471 WEST FARMS RD.  
 Matrix: Soil  
 Analytical Method: 1,8081B  
 Analytical Date: 02/19/13 11:48  
 Analyst: BW  
 Percent Solids: 93%

Date Collected: 02/13/13 11:00  
 Date Received: 02/16/13  
 Field Prep: Not Specified  
 Extraction Method: EPA 3546  
 Extraction Date: 02/16/13 13:43  
 Cleanup Method1: EPA 3620B  
 Cleanup Date1: 02/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Organochlorine Pesticides by GC - Westborough Lab</b>						
Delta-BHC	ND		ug/kg	1.65	0.323	1
Lindane	ND		ug/kg	0.688	0.308	1
Alpha-BHC	ND		ug/kg	0.688	0.195	1
Beta-BHC	ND		ug/kg	1.65	0.626	1
Heptachlor	ND		ug/kg	0.826	0.370	1
Aldrin	ND		ug/kg	1.65	0.581	1
Endrin	ND		ug/kg	0.688	0.282	1
Dieldrin	ND		ug/kg	1.03	0.516	1
4,4'-DDE	ND		ug/kg	1.65	0.382	1
4,4'-DDD	ND		ug/kg	1.65	0.589	1
4,4'-DDT	ND		ug/kg	3.10	1.33	1
Endosulfan I	ND		ug/kg	1.65	0.390	1
Endosulfan II	ND		ug/kg	1.65	0.552	1
Endosulfan sulfate	ND		ug/kg	0.688	0.314	1
cis-Chlordane	ND		ug/kg	2.06	0.575	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	47		30-150	A
2,4,5,6-Tetrachloro-m-xylene	82		30-150	B
Decachlorobiphenyl	106		30-150	B

**Project Name:** COMPASS RESIDENCE**Lab Number:** L1302738**Project Number:** 5197-01-03-3001**Report Date:** 02/22/13**SAMPLE RESULTS**

**Lab ID:** L1302738-01  
**Client ID:** SB-1 (0-2') GRAB  
**Sample Location:** 1471 WEST FARMS RD.  
**Matrix:** Soil  
**Analytical Method:** 1,8151A  
**Analytical Date:** 02/20/13 07:28  
**Analyst:** SH  
**Percent Solids:** 93%

**Date Collected:** 02/13/13 11:00  
**Date Received:** 02/16/13  
**Field Prep:** Not Specified  
**Extraction Method:** EPA 8151A  
**Extraction Date:** 02/19/13 01:00  
**Methylation Date:** 02/20/13 01:17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Chlorinated Herbicides by GC - Westborough Lab						
2,4,5-TP (Silvex)	ND		ug/kg	175	9.65	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	66		30-150	A
DCAA	10	Q	30-150	B

Project Name: COMPASS RESIDENCE

Lab Number: L1302738

Project Number: 5197-01-03-3001

Report Date: 02/22/13

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8081B  
 Analytical Date: 02/19/13 11:10  
 Analyst: BW

Extraction Method: EPA 3546  
 Extraction Date: 02/16/13 13:43  
 Cleanup Method1: EPA 3620B  
 Cleanup Date1: 02/17/13

Parameter	Result	Qualifier	Units	RL	MDL
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01 Batch: WG590565-1					
Delta-BHC	ND		ug/kg	1.55	0.304
Lindane	ND		ug/kg	0.646	0.289
Alpha-BHC	ND		ug/kg	0.646	0.183
Beta-BHC	ND		ug/kg	1.55	0.588
Heptachlor	ND		ug/kg	0.775	0.348
Aldrin	ND		ug/kg	1.55	0.546
Endrin	ND		ug/kg	0.646	0.265
Dieldrin	ND		ug/kg	0.969	0.484
4,4'-DDE	ND		ug/kg	1.55	0.358
4,4'-DDD	ND		ug/kg	1.55	0.553
4,4'-DDT	ND		ug/kg	2.91	1.25
Endosulfan I	ND		ug/kg	1.55	0.366
Endosulfan II	ND		ug/kg	1.55	0.518
Endosulfan sulfate	ND		ug/kg	0.646	0.295
cis-Chlordane	ND		ug/kg	1.94	0.540

Surrogate	%Recovery	Qualifier	Acceptance	
			Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	95		30-150	A
Decachlorobiphenyl	65		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	114		30-150	B

Project Name: COMPASS RESIDENCE

Lab Number: L1302738

Project Number: 5197-01-03-3001

Report Date: 02/22/13

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8151A  
 Analytical Date: 02/20/13 06:28  
 Analyst: SH

Extraction Method: EPA 8151A  
 Extraction Date: 02/19/13 01:00

Methylation Date: 02/20/13 01:17

Parameter	Result	Qualifier	Units	RL	MDL
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 01 Batch: WG590768-1					
2,4,5-TP (Silvex)	ND		ug/kg	166	9.18

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	59		30-150	A
DCAA	27	Q	30-150	B

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: COMPASS RESIDENCE

Lab Number: L1302738

Project Number: 5197-01-03-3001

Report Date: 02/22/13

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG590565-2 WG590565-3								
Delta-BHC	61		65		30-150	6		30
Lindane	66		65		30-150	2		30
Alpha-BHC	66		66		30-150	0		30
Beta-BHC	84		65		30-150	26		30
Heptachlor	63		63		30-150	0		30
Aldrin	75		74		30-150	1		30
Heptachlor epoxide	71		72		30-150	1		30
Endrin	90		96		30-150	6		30
Endrin ketone	94		96		30-150	2		30
Dieldrin	80		82		30-150	2		30
4,4'-DDE	83		82		30-150	1		30
4,4'-DDD	95		97		30-150	2		30
4,4'-DDT	63		68		30-150	8		30
Endosulfan I	80		83		30-150	4		30
Endosulfan II	85		88		30-150	3		30
Endosulfan sulfate	97		100		30-150	3		30
Methoxychlor	73		81		30-150	10		30
cis-Chlordane	75		76		30-150	1		30
trans-Chlordane	78		79		30-150	1		30

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** COMPASS RESIDENCE

**Lab Number:** L1302738

**Project Number:** 5197-01-03-3001

**Report Date:** 02/22/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
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Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG590565-2 WG590565-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	90		90		30-150	A
Decachlorobiphenyl	65		63		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		72		30-150	B
Decachlorobiphenyl	111		112		30-150	B

Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01 Batch: WG590768-2 WG590768-3

2,4-D	95		118		30-150	22	30
2,4,5-T	77		82		30-150	6	30
2,4,5-TP (Silvex)	70		82		30-150	16	30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	83		79		30-150	A
DCAA	9	Q	16	Q	30-150	B

## METALS

**Project Name:** COMPASS RESIDENCE  
**Project Number:** 5197-01-03-3001

**Lab Number:** L1302738  
**Report Date:** 02/22/13

**SAMPLE RESULTS**

Lab ID: L1302738-01  
 Client ID: SB-1 (0-2') GRAB  
 Sample Location: 1471 WEST FARMS RD.  
 Matrix: Soil  
 Percent Solids: 93%

Date Collected: 02/13/13 11:00  
 Date Received: 02/16/13  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Westborough Lab</b>											
Arsenic, Total	ND		mg/kg	0.42	0.12	1	02/19/13 11:53	02/20/13 16:42	EPA 3050B	1,6010C	MS
Barium, Total	230		mg/kg	0.42	0.12	1	02/19/13 11:53	02/20/13 16:42	EPA 3050B	1,6010C	MS
Beryllium, Total	1.4		mg/kg	0.21	0.02	1	02/19/13 11:53	02/20/13 16:42	EPA 3050B	1,6010C	MS
Cadmium, Total	ND		mg/kg	0.42	0.03	1	02/19/13 11:53	02/20/13 16:42	EPA 3050B	1,6010C	MS
Chromium, Total	39		mg/kg	0.42	0.08	1	02/19/13 11:53	02/20/13 16:42	EPA 3050B	1,6010C	MS
Copper, Total	54		mg/kg	0.42	0.21	1	02/19/13 11:53	02/20/13 16:42	EPA 3050B	1,6010C	MS
Lead, Total	5.3		mg/kg	2.1	0.12	1	02/19/13 11:53	02/20/13 16:42	EPA 3050B	1,6010C	MS
Manganese, Total	530		mg/kg	0.42	0.08	1	02/19/13 11:53	02/20/13 16:42	EPA 3050B	1,6010C	MS
Mercury, Total	ND		mg/kg	0.08	0.02	1	02/20/13 14:50	02/20/13 16:47	EPA 7471B	1,7471B	MC
Nickel, Total	40		mg/kg	1.0	0.17	1	02/19/13 11:53	02/20/13 16:42	EPA 3050B	1,6010C	MS
Selenium, Total	1.2		mg/kg	0.84	0.12	1	02/19/13 11:53	02/20/13 16:42	EPA 3050B	1,6010C	MS
Silver, Total	ND		mg/kg	0.42	0.08	1	02/19/13 11:53	02/20/13 16:42	EPA 3050B	1,6010C	MS
Zinc, Total	110		mg/kg	2.1	0.21	1	02/19/13 11:53	02/20/13 16:42	EPA 3050B	1,6010C	MS



**Project Name:** COMPASS RESIDENCE  
**Project Number:** 5197-01-03-3001

**Lab Number:** L1302738  
**Report Date:** 02/22/13

## Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01 Batch: WG590869-1										
Arsenic, Total	ND		mg/kg	0.40	0.12	1	02/19/13 11:53	02/20/13 16:03	1,6010C	MS
Barium, Total	ND		mg/kg	0.40	0.12	1	02/19/13 11:53	02/20/13 16:03	1,6010C	MS
Beryllium, Total	0.03	J	mg/kg	0.20	0.02	1	02/19/13 11:53	02/20/13 16:03	1,6010C	MS
Cadmium, Total	0.04	J	mg/kg	0.40	0.02	1	02/19/13 11:53	02/20/13 16:03	1,6010C	MS
Chromium, Total	ND		mg/kg	0.40	0.08	1	02/19/13 11:53	02/20/13 16:03	1,6010C	MS
Copper, Total	ND		mg/kg	0.40	0.20	1	02/19/13 11:53	02/20/13 16:03	1,6010C	MS
Lead, Total	ND		mg/kg	2.0	0.12	1	02/19/13 11:53	02/20/13 16:03	1,6010C	MS
Manganese, Total	ND		mg/kg	0.40	0.08	1	02/19/13 11:53	02/20/13 16:03	1,6010C	MS
Nickel, Total	ND		mg/kg	1.0	0.16	1	02/19/13 11:53	02/20/13 16:03	1,6010C	MS
Selenium, Total	ND		mg/kg	0.80	0.12	1	02/19/13 11:53	02/20/13 16:03	1,6010C	MS
Silver, Total	ND		mg/kg	0.40	0.08	1	02/19/13 11:53	02/20/13 16:03	1,6010C	MS
Zinc, Total	ND		mg/kg	2.0	0.20	1	02/19/13 11:53	02/20/13 16:03	1,6010C	MS

### Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01 Batch: WG590941-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	02/20/13 14:50	02/20/13 16:35	1,7471B	MC

### Prep Information

Digestion Method: EPA 7471B

## Lab Control Sample Analysis

Batch Quality Control

**Project Name:** COMPASS RESIDENCE

**Lab Number:** L1302738

**Project Number:** 5197-01-03-3001

**Report Date:** 02/22/13

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG590869-2								
Arsenic, Total	100		-		75-125	-		
Barium, Total	93		-		75-125	-		
Beryllium, Total	96		-		75-125	-		
Cadmium, Total	94		-		75-125	-		
Chromium, Total	93		-		75-125	-		
Copper, Total	90		-		75-125	-		
Lead, Total	94		-		75-125	-		
Manganese, Total	90		-		75-125	-		
Nickel, Total	88		-		75-125	-		
Selenium, Total	97		-		75-125	-		
Silver, Total	97		-		75-125	-		
Zinc, Total	90		-		75-125	-		
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG590941-2 SRM Lot Number: 0518-10-02								
Mercury, Total	105		-		67-133	-		

### Matrix Spike Analysis Batch Quality Control

Project Name: COMPASS RESIDENCE

Lab Number: L1302738

Project Number: 5197-01-03-3001

Report Date: 02/22/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01    QC Batch ID: WG590869-4    QC Sample: L1302752-01    Client ID: MS Sample												
Arsenic, Total	0.94	10.5	12	106		-	-		75-125	-		35
Barium, Total	32.	174	200	96		-	-		75-125	-		35
Beryllium, Total	0.25	4.36	4.6	100		-	-		75-125	-		35
Cadmium, Total	ND	4.45	4.1	92		-	-		75-125	-		35
Chromium, Total	11.	17.4	30	109		-	-		75-125	-		35
Copper, Total	6.7	21.8	33	121		-	-		75-125	-		35
Lead, Total	5.5	44.5	47	93		-	-		75-125	-		35
Manganese, Total	240	43.6	260	46	Q	-	-		75-125	-		35
Nickel, Total	16.	43.6	60	101		-	-		75-125	-		35
Selenium, Total	0.36J	10.5	11	105		-	-		75-125	-		35
Silver, Total	ND	26.2	27	103		-	-		75-125	-		35
Zinc, Total	15.	43.6	59	101		-	-		75-125	-		35
Total Metals - Westborough Lab Associated sample(s): 01    QC Batch ID: WG590941-4    QC Sample: L1302661-01    Client ID: MS Sample												
Mercury, Total	ND	0.168	0.17	101		-	-		70-130	-		35

### Lab Duplicate Analysis Batch Quality Control

**Project Name:** COMPASS RESIDENCE  
**Project Number:** 5197-01-03-3001

**Lab Number:** L1302738  
**Report Date:** 02/22/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG590869-3 QC Sample: L1302752-01 Client ID: DUP Sample						
Arsenic, Total	0.94	1.0	mg/kg	6		35
Barium, Total	32.	26	mg/kg	21		35
Beryllium, Total	0.25	0.25	mg/kg	0		35
Cadmium, Total	ND	ND	mg/kg	NC		35
Chromium, Total	11.	11	mg/kg	0		35
Copper, Total	6.7	7.9	mg/kg	16		35
Lead, Total	5.5	4.1	mg/kg	29		35
Manganese, Total	240	220	mg/kg	9		35
Nickel, Total	16.	17	mg/kg	6		35
Selenium, Total	0.36J	0.31J	mg/kg	NC		35
Silver, Total	ND	ND	mg/kg	NC		35
Zinc, Total	15.	16	mg/kg	6		35
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG590941-3 QC Sample: L1302661-01 Client ID: DUP Sample						
Mercury, Total	ND	ND	mg/kg	NC		35



# **INORGANICS & MISCELLANEOUS**

Project Name: COMPASS RESIDENCE

Lab Number: L1302738

Project Number: 5197-01-03-3001

Report Date: 02/22/13

## SAMPLE RESULTS

Lab ID: L1302738-01  
 Client ID: SB-1 (0-2') GRAB  
 Sample Location: 1471 WEST FARMS RD.  
 Matrix: Soil

Date Collected: 02/13/13 11:00  
 Date Received: 02/16/13  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	39		mg/kg	0.86	0.86	1	-	02/21/13 12:40	107,-	SD
Solids, Total	93		%	0.10	NA	1	-	02/17/13 13:46	30,2540G	TA
Cyanide, Total	ND		mg/kg	1.0	0.24	1	02/20/13 13:00	02/20/13 15:29	1,9010C/9012A	JO
Chromium, Hexavalent	ND		mg/kg	0.86	0.19	1	02/16/13 17:30	02/18/13 18:53	1,7196A	TA



Project Name: COMPASS RESIDENCE

Lab Number: L1302738

Project Number: 5197-01-03-3001

Report Date: 02/22/13

**Method Blank Analysis**  
**Batch Quality Control**

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG590588-1									
Chromium, Hexavalent	ND	mg/l	0.80	0.18	1	02/16/13 17:30	02/18/13 18:50	1,7196A	TA
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG591080-1									
Cyanide, Total	ND	mg/kg	0.98	0.23	1	02/20/13 13:00	02/20/13 15:25	1,9010C/9012A	JO

## Lab Control Sample Analysis

Batch Quality Control

**Project Name:** COMPASS RESIDENCE

**Lab Number:** L1302738

**Project Number:** 5197-01-03-3001

**Report Date:** 02/22/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG590588-2								
Chromium, Hexavalent	86		-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG591080-2 WG591080-3								
Cyanide, Total	114		108		80-120	5		35

### Matrix Spike Analysis Batch Quality Control

**Project Name:** COMPASS RESIDENCE  
**Project Number:** 5197-01-03-3001

**Lab Number:** L1302738  
**Report Date:** 02/22/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Qual	MSD Found	MSD %Recovery	MSD Qual	Recovery Limits	RPD	RPD Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG590588-4 QC Sample: L1302738-01 Client ID: SB-1 (0-2') GRAB												
Chromium, Hexavalent	ND	1090	1100	100	-	-	-	-	75-125	-	-	20
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG591080-4 WG591080-5 QC Sample: L1302738-01 Client ID: SB-1 (0-2') GRAB												
Cyanide, Total	ND	10	11	110	11	100	100	100	65-135	0	0	35

### Lab Duplicate Analysis Batch Quality Control

**Project Name:** COMPASS RESIDENCE

**Project Number:** 5197-01-03-3001

**Lab Number:** L1302738

**Report Date:** 02/22/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG590588-3 QC Sample: L1302738-01 Client ID: SB-1 (0-2') GRAB						
Chromium, Hexavalent	ND	0.22J	mg/kg	NC		20
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG590600-1 QC Sample: L1302739-01 Client ID: DUP Sample						
Solids, Total	95.	95	%	0		20

Project Name: COMPASS RESIDENCE

Lab Number: L1302738

Project Number: 5197-01-03-3001

Report Date: 02/22/13

**Sample Receipt and Container Information**

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

**Cooler Information Custody Seal****Cooler**

A Absent

**Container Information**

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1302738-01A	Amber 250ml unpreserved	A	N/A	2	Y	Absent	NYTCL-8260(14)
L1302738-01B	Amber 250ml unpreserved	A	N/A	2	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),CR-TI(180),NI-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),NYTCL-8081(14),HG-T(28),MN-TI(180),NYTCL-8082(14),CD-TI(180),HEXCR-7196(30)

**Container Comments**

L1302738-01B

\*Values in parentheses indicate holding time in days

**Project Name:** COMPASS RESIDENCE  
**Project Number:** 5197-01-03-3001

**Lab Number:** L1302738  
**Report Date:** 02/22/13

## GLOSSARY

### Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

### Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

### Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

### Data Qualifiers

- A** - Spectra identified as "Aldol Condensation Product".
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported

Report Format: DU Report with "J" Qualifiers



**Project Name:** COMPASS RESIDENCE  
**Project Number:** 5197-01-03-3001

**Lab Number:** L1302738  
**Report Date:** 02/22/13

#### **Data Qualifiers**

due to obvious interference.

- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with "J" Qualifiers

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**Project Name:** COMPASS RESIDENCE  
**Project Number:** 5197-01-03-3001

**Lab Number:** L1302738  
**Report Date:** 02/22/13

## REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.
- 30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.
- 107 Alpha Analytical - In-house calculation method.

## LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



## Certificate/Approval Program Summary

Last revised December 19, 2012 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.  
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

### Connecticut Department of Public Health Certificate/Lab ID: PH-0574. **NELAP Accredited Solid Waste/Soil.**

*Drinking Water* (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223, Enumeration and P/A), E. Coli. – Colilert (SM9223, Enumeration and P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

*Wastewater/Non-Potable Water* (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), E. Coli – Colilert (SM9223 Enumeration), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E), Enterococcus - Enterolert.

*Solid Waste/Soil* (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP (Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics & Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).)

### Maine Department of Human Services Certificate/Lab ID: 2009024.

*Drinking Water* (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 2540C, 4500CI-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

*Wastewater/Non-Potable Water* (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500CI-D, 4500CI-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 9010B, 9040B, 9030B, 7470A, 7196A, 2340B, EPA 200.7, 6010B, 6010C, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8330, 8151A, 8260B, 8260C, 8270C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

*Solid Waste/Soil* (Inorganic Parameters: 9010B, 9012A, 9014, 9030B, 9040B, 9045C, 6010B, 6010C, 6020, 6020A, 7471A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260B, 8270C, 8270D, 8330, 8151A, 8081A, 8081B, 8082, 8082A, 3540C, 3546, 3580A, 3630C, 5030B, 5035.)

### Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.

*Drinking Water* (Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; Colilert QT SM9223B; MF-SM9222D.)

*Non-Potable Water (Inorganic Parameters:*, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.

*Organic Parameters:* (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. *Microbiology Parameters:* (ColilertQT SM9223B; Enterolert-QT: SM9222D-MF.)

**New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. *NELAP Accredited.***

*Drinking Water (Inorganic Parameters:* SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. *Organic Parameters:* 504.1, 524.2.)

*Non-Potable Water (Inorganic Parameters:* SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. *Organic Parameters:* SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.)

*Solid & Chemical Materials (Inorganic Parameters:* SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. *Organic Parameters:* SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.)

**New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. *NELAP Accredited.***

*Drinking Water (Inorganic Parameters:* SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. *Organic Parameters:* EPA 332, 504.1, 524.2.)

*Non-Potable Water (Inorganic Parameters:* SM5210B, EPA 410.4, SM5220D, 4500CI-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM2520B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. *Organic Parameters:* SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by NJ Modified 8270, 8015B, NJ EPH.)

*Solid & Chemical Materials (Inorganic Parameters:* SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D, 9050A, 9065, 9251. *Organic Parameters:* SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035L, 5035H, NJ EPH.)

**New York Department of Health Certificate/Lab ID: 11148. *NELAP Accredited.***

*Drinking Water (Inorganic Parameters:* SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. *Organic Parameters:* EPA 524.2, 504.1.)

*Non-Potable Water (Inorganic Parameters:* SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6010C, 6020, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, LACHAT 10-204-00-1-A, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015, 9010C, 9030B. *Organic Parameters:* EPA 624, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 625, 608, 8081A, 8081B, 8151A, 8330, 8082, 8082A, EPA 3510C, 5030B.)

*Solid & Hazardous Waste (Inorganic Parameters:* EPA 1010A, 1030, EPA 6010B, 6010C, 7196A, 7471A, 7471B, 9012B, 9014, 9065, 9050A, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. *Organic Parameters:* EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8015B, 8015C, 8081A, 8081B, 8151A, 8330, 8082 8082A, 3540C,

3546, 3580A, 5030B, 5035A-H, 5035A-L.)

**North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. (Inorganic Parameters:** SM2310B, 2320B, 4500CI-E, 4500Cn-E, 9014, Lachat 10-204-00-1-X, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311,1312. **Organic Parameters:** 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.)

*Drinking Water Program Certificate/Lab ID:* 25700. (**Inorganic Parameters:** Chloride EPA 300.0. **Organic Parameters:** 524.2)

**Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. NELAP Accredited.**

*Drinking Water (Inorganic Parameters:* 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H+-B, 4500NO3-F, 5310C. **Organic Parameters:** EPA 524.2, 504.1)

*Non-Potable Water (Inorganic Parameters:* EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500CI-E, 4500F-B, 4500F-C, 4500H+-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. **Organic Parameters:** EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, NJ-EPH.)

*Solid & Hazardous Waste (Inorganic Parameters:* EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. **Organic Parameters:** 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, NJ-EPH.)

**Rhode Island Department of Health Certificate/Lab ID:** LAO00065. **NELAP Accredited via NJ-DEP.**

Refer to MA-DEP Certificate for Potable and Non-Potable Water.

Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

**Texas Commission on Environmental Quality Certificate/Lab ID:** T104704476. **NELAP Accredited.**

*Non-Potable Water (Inorganic Parameters:* EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 S<sup>2-</sup> D, 510C, 5210B, 5220D, 5310C, 5540C. **Organic Parameters:** EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

*Solid & Hazardous Waste (Inorganic Parameters:* EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

**Virginia Division of Consolidated Laboratory Services Certificate/Lab ID:** 460195. **NELAP Accredited.**

*Drinking Water (Inorganic Parameters:* EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.2, 2320B, 4500F-C, 4500NO3-F, 5310C. **Organic Parameters:** EPA 504.1, 524.2.)

*Non-Potable Water (Inorganic Parameters:* EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X, 7196A, 7470A, 9010B, 9040B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CI-E, 4500F-B, 4500F-C, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C. **Organic Parameters:** EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330, )

*Solid & Hazardous Waste (Inorganic Parameters:* EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9030B, 9010B, 9012A, 9014 9040B, 9045C, 9050A, 9065. **Organic Parameters:** EPA 5030B, 5035, 3540C, 3546, 355B0, 3580A, 3630C, 6020A, 8260B, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.)

**Department of Defense, L-A-B Certificate/Lab ID:** L2217.

*Drinking Water (Inorganic Parameters:* SM 4500H-B. **Organic Parameters:** EPA 524.2, 504.1.)

*Non-Potable Water (Inorganic Parameters:* EPA 200.7, 200.8, 6010B, 6010C, 6020, 6020A, 245.1, 245.2, 7470A, 9040B, 9010B, 180.1. 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 4500CL-D, 5220D, 5310C, 2130B, 2320B, 2540C, 3005A, 3015, 9010B, 9056, 7196A, 3500-Cr-D. **Organic Parameters:** EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330A, 8082, 8082A, 8081A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

8270D, 8270C-SIM, 8270D-SIM, 8330A/B-prep, 8082, 8082A, 8081A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

**The following analytes are not included in our current NELAP/TNI Scope of Accreditation:**

**EPA 8260B:** Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnaphthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO<sub>2</sub> in a soil matrix, NO<sub>3</sub> in a soil matrix. **EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.

L1302738

# CHAIN OF CUSTODY

IMPACT ENVIRONMENTAL  
170 Keyland Court, Bohemia, New York 11716  
(Tel.) 631-269-8800 (Fax) 631-269-1599

Page 1 of 1



LAB NAME: ALPHA

RECEIVED DATE: 2-15-13

Client Information		Project Information		Analytical Information				Matrix Codes					
Company Name Impact Environmental		Project Name COMPASS RESIDENCE		Impact Analytical Package A*	Impact Analytical Package B**	VOCs 8260 (List for NY Part 375 & NJ DCSRS)	SPLP (Mark 'H' in box for 'Hold')	NYCDEP Sewer Discharge Parameters	L - Liquid S - Soil A - Air OL - Oil W - Wipe PC - Paint Chips SL - Sludge SD - Solid DW - Drinking Water DISS - Dissolved				
Address 170 Keyland Court		Street 1471 WEST FARMS RD											
City Bohemia		City BRONX								State NY		Zip	
Project Contact Waste Analyst AND BHERNANDEZ		Project # 5197-01-03-3001								Sampler's Name B. HERMANDEZ		Sampler's Signature <i>B. Hernandez</i>	
Phone # 631-269-8800		Fax # 631-269-1599								E-mail Analyst@impactenvironmental.com		AND BHERNANDEZ@impactenvironmental.com	

LAB SAMPLE # (LAB USE ONLY)	Sample Information	Sample Collection		Sample Containers							Impact Analytical Package A*	Impact Analytical Package B**	VOCs 8260 (List for NY Part 375 & NJ DCSRS)	SPLP (Mark 'H' in box for 'Hold')	NYCDEP Sewer Discharge Parameters	VOCs 8260 (NYS Part 375) SVOCs 8270 (NYS Part 375) TCLP METALS (NYS Part 375) PCBs 8082 (NYS Part 375) PEST/Herbicides 8081 (NYS Part 375)	L - Liquid S - Soil A - Air OL - Oil W - Wipe PC - Paint Chips SL - Sludge SD - Solid DW - Drinking Water DISS - Dissolved				
		Matrix Code	Sample Type	Sample Type	Time	Total # of bottles	None	TCE	HCL	Methanol (EPA 5035)								Sodium Bisulfite (EPA 5035)	OTHER (List)		
01786	SB-1 (0-2') GRAB	S	G	2/13/13	11 AM	2		X								X	X	X	X	X	
2																					
3																					
4																					
5																					
6																					
7																					
8																					
9																					
10																					

Turnaround Time (Business Days)	(LAB USE ONLY)	Data Deliverable Information	REFERENCES
<input checked="" type="checkbox"/> Standard <input type="checkbox"/> 5 Day RUSH <input type="checkbox"/> 4 Day RUSH <input type="checkbox"/> 3 Day RUSH <input type="checkbox"/> 2 Day RUSH <input type="checkbox"/> 1 Day RUSH	TAT Approved By / Date: _____	<input type="checkbox"/> Results Only (Level-1) <input type="checkbox"/> Results plus Misc. QC (Level-2) <input type="checkbox"/> Results plus ALL QC (Level-3) <input type="checkbox"/> PA QC Package <input type="checkbox"/> NJ QC Package (Level 3NJ) <input type="checkbox"/> CLP Category A (Level-2) <input type="checkbox"/> CLP Category B (Level-4) <input type="checkbox"/> ASP QC Package (Level-4) <input type="checkbox"/> Other _____ <input type="checkbox"/> EDD Format (EDD Formats: Excel, pdf, EQUIS, GIS, GISKey, SPDES, Ascii, TAGM, OENJ)	*Package A (proprietary) - Priority Pollutants Metals, SVOCs, PCB/Pest and Herbicides - to match all NJ DCSRS & NYS Part 375 parameters and detection limits **Package B (proprietary) - Same as Package A, plus TCLP Metals & TPH NOTES & DIRECTIONS TO THE LAB:

Sample custody must be documented below, each time samples change possession, with a signature, date, and time.

Relinquished by:	Date / Time:	Received By:	Relinquished By:	Date / Time:	Received By:
1 <i>B. Hernandez</i>	2/15/13 16:00	<i>[Signature]</i>	2 <i>[Signature]</i>	2/15/13 19:30	2 <i>Steve Moore</i>
3 <i>Steve Moore</i>	3/2/13 00:5	3 <i>[Signature]</i>	4 <i>[Signature]</i>	4	4
5	5	5			

COOLER INFORMATION

Cooler Temp: \_\_\_\_\_ pH: \_\_\_\_\_  On Ice  Sample Receipt Discrepancy (attach information)



## ANALYTICAL REPORT

Lab Number:	L1302978
Client:	Impact Environmental 170 Keyland Ct Bohemia, NY 11716
ATTN:	Ben Hernandez-Salazar
Phone:	(631) 269-8800
Project Name:	COMPASS RESIDENCES
Project Number:	5197-01-03-3001
Report Date:	02/26/13

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

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Eight Walkup Drive, Westborough, MA 01581-1019  
508-898-9220 (Fax) 508-898-9193 800-624-9220 - [www.alphalab.com](http://www.alphalab.com)



**Project Name:** COMPASS RESIDENCES  
**Project Number:** 5197-01-03-3001

**Lab Number:** L1302978  
**Report Date:** 02/26/13

<b>Alpha Sample ID</b>	<b>Client ID</b>	<b>Sample Location</b>	<b>Collection Date/Time</b>
L1302978-01	MW-1	1471 WEST FARMS RD. BRONX, NY	02/19/13 12:45

**Project Name:** COMPASS RESIDENCES  
**Project Number:** 5197-01-03-3001

**Lab Number:** L1302978  
**Report Date:** 02/26/13

### Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

#### HOLD POLICY

For samples submitted on hold, Alpha's policy is to hold samples free of charge for 30 days from the date the project is completed. After 30 days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

**Project Name:** COMPASS RESIDENCES  
**Project Number:** 5197-01-03-3001

**Lab Number:** L1302978  
**Report Date:** 02/26/13

### Case Narrative (continued)

#### Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

#### Sample Receipt

One container for sample "MW-1" was received broken; however, there was adequate sample remaining to run the requested analysis.

The samples were field filtered for Dissolved Metals only.

#### Dissolved Metals

The WG591417-4 MS recoveries for Calcium (20%) and Sodium (60%), performed on L1302978-01, do not apply because the sample concentration is greater than four times the spike amount added.

The WG591417-4 MS recoveries, performed on L1302978-01, are below the acceptance criteria for Magnesium (50%) and Manganese (54%). A post digestion spike was performed with acceptable recoveries for Magnesium (80%) and Manganese (88%).

The WG591417-3 Laboratory Duplicate RPD, performed on L1302978-01, is outside the acceptance criteria for Magnesium (26%). The elevated RPD has been attributed to the non-homogeneous nature of the sample utilized for the Laboratory Duplicate.

#### Total Metals

The WG591711-4 MS recoveries for Calcium (50%) and Manganese (70%), performed on L1302978-01, do not apply because the sample concentration is greater than four times the spike amount added.

The WG591711-4 MS recovery, performed on L1302978-01, is below the acceptance criteria for Magnesium (70%). A post digestion spike was performed with an unacceptable recovery of 70%. This has been attributed to sample matrix.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:  Elizabeth Simmons

Title: Technical Director/Representative

Date: 02/26/13

# ORGANICS

# VOLATILES

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1302978**Project Number:** 5197-01-03-3001**Report Date:** 02/26/13**SAMPLE RESULTS**

Lab ID: L1302978-01  
 Client ID: MW-1  
 Sample Location: 1471 WEST FARMS RD. BRONX, NY  
 Matrix: Water  
 Analytical Method: 1,8260C  
 Analytical Date: 02/22/13 11:45  
 Analyst: TR

Date Collected: 02/19/13 12:45  
 Date Received: 02/20/13  
 Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	40		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.16	1
1,2-Dichloropropane	ND		ug/l	1.0	0.30	1
Dibromochloromethane	ND		ug/l	0.50	0.19	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	0.31	J	ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.16	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	0.19	1
Benzene	2.1		ug/l	0.50	0.19	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	3.7		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.18	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	0.96		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1302978**Project Number:** 5197-01-03-3001**Report Date:** 02/26/13**SAMPLE RESULTS**

Lab ID: L1302978-01  
 Client ID: MW-1  
 Sample Location: 1471 WEST FARMS RD. BRONX, NY

Date Collected: 02/19/13 12:45  
 Date Received: 02/20/13  
 Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methyl tert butyl ether	0.95	J	ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	3.4		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	5.2		ug/l	5.0	1.0	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.0	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	76.	1
1,4-Diethylbenzene	ND		ug/l	2.0	0.70	1
4-Ethyltoluene	ND		ug/l	2.0	0.70	1

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1302978**Project Number:** 5197-01-03-3001**Report Date:** 02/26/13**SAMPLE RESULTS**

Lab ID: L1302978-01

Date Collected: 02/19/13 12:45

Client ID: MW-1

Date Received: 02/20/13

Sample Location: 1471 WEST FARMS RD. BRONX, NY

Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	0.99	J	ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	102		70-130

Project Name: COMPASS RESIDENCES

Lab Number: L1302978

Project Number: 5197-01-03-3001

Report Date: 02/26/13

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8260C  
 Analytical Date: 02/22/13 09:38  
 Analyst: TR

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG591500-3					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.16
1,2-Dichloropropane	ND		ug/l	1.0	0.30
Dibromochloromethane	ND		ug/l	0.50	0.19
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.16
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.19
Benzene	ND		ug/l	0.50	0.19
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.33
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.18
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.17
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: COMPASS RESIDENCES

Lab Number: L1302978

Project Number: 5197-01-03-3001

Report Date: 02/26/13

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C  
 Analytical Date: 02/22/13 09:38  
 Analyst: TR

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG591500-3					
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.0
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.0
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70

Project Name: COMPASS RESIDENCES

Lab Number: L1302978

Project Number: 5197-01-03-3001

Report Date: 02/26/13

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8260C  
 Analytical Date: 02/22/13 09:38  
 Analyst: TR

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG591500-3					
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	76.
1,4-Diethylbenzene	ND		ug/l	2.0	0.70
4-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	102		70-130

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: COMPASS RESIDENCES

Lab Number: L1302978

Project Number: 5197-01-03-3001

Report Date: 02/26/13

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG591500-1 WG591500-2								
Methylene chloride	101		101		70-130	0		20
1,1-Dichloroethane	101		101		70-130	0		20
Chloroform	104		106		70-130	2		20
Carbon tetrachloride	108		110		63-132	2		20
1,2-Dichloropropane	100		103		70-130	3		20
Dibromochloromethane	97		96		63-130	1		20
1,1,2-Trichloroethane	98		97		70-130	1		20
Tetrachloroethene	108		108		70-130	0		20
Chlorobenzene	100		100		75-130	0		20
Trichlorofluoromethane	106		107		62-150	1		20
1,2-Dichloroethane	97		96		70-130	1		20
1,1,1-Trichloroethane	105		106		67-130	1		20
Bromodichloromethane	100		100		67-130	0		20
trans-1,3-Dichloropropene	91		89		70-130	2		20
cis-1,3-Dichloropropene	100		102		70-130	2		20
1,1-Dichloropropene	102		105		70-130	3		20
Bromoform	89		86		54-136	3		20
1,1,2,2-Tetrachloroethane	90		88		67-130	2		20
Benzene	106		107		70-130	1		20
Toluene	100		100		70-130	0		20
Ethylbenzene	98		99		70-130	1		20

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: COMPASS RESIDENCES

Lab Number: L1302978

Project Number: 5197-01-03-3001

Report Date: 02/26/13

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG591500-1 WG591500-2								
Chloromethane	84		87		64-130	4		20
Bromomethane	80		98		39-139	20		20
Vinyl chloride	99		102		55-140	3		20
Chloroethane	107		107		55-138	0		20
1,1-Dichloroethene	107		107		61-145	0		20
trans-1,2-Dichloroethene	106		107		70-130	1		20
Trichloroethene	108		109		70-130	1		20
1,2-Dichlorobenzene	94		95		70-130	1		20
1,3-Dichlorobenzene	96		97		70-130	1		20
1,4-Dichlorobenzene	94		96		70-130	2		20
Methyl tert butyl ether	95		95		63-130	0		20
p/m-Xylene	101		102		70-130	1		20
o-Xylene	100		101		70-130	1		20
cis-1,2-Dichloroethene	105		106		70-130	1		20
Dibromomethane	104		105		70-130	1		20
1,2,3-Trichloropropane	76		74		64-130	3		20
Acrylonitrile	91		90		70-130	1		20
Styrene	102		102		70-130	0		20
Dichlorodifluoromethane	98		97		36-147	1		20
Acetone	97		110		58-148	13		20
Carbon disulfide	103		104		51-130	1		20

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: COMPASS RESIDENCES

Lab Number: L1302978

Project Number: 5197-01-03-3001

Report Date: 02/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG591500-1 WG591500-2								
2-Butanone	84		92		63-138	9		20
Vinyl acetate	94		90		70-130	4		20
4-Methyl-2-pentanone	88		89		59-130	1		20
2-Hexanone	81		81		57-130	0		20
Bromochloromethane	112		110		70-130	2		20
2,2-Dichloropropane	105		105		63-133	0		20
1,2-Dibromoethane	97		97		70-130	0		20
1,3-Dichloropropane	95		94		70-130	1		20
1,1,1,2-Tetrachloroethane	100		100		64-130	0		20
Bromobenzene	96		96		70-130	0		20
n-Butylbenzene	92		94		53-136	2		20
sec-Butylbenzene	93		95		70-130	2		20
tert-Butylbenzene	93		95		70-130	2		20
o-Chlorotoluene	96		90		70-130	6		20
p-Chlorotoluene	90		91		70-130	1		20
1,2-Dibromo-3-chloropropane	83		82		41-144	1		20
Hexachlorobutadiene	93		98		63-130	5		20
Isopropylbenzene	92		93		70-130	1		20
p-Isopropyltoluene	94		96		70-130	2		20
Naphthalene	86		87		70-130	1		20
n-Propylbenzene	93		93		69-130	0		20

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: COMPASS RESIDENCES

Lab Number: L1302978

Project Number: 5197-01-03-3001

Report Date: 02/26/13

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG591500-1 WG591500-2								
1,2,3-Trichlorobenzene	92		95		70-130	3		20
1,2,4-Trichlorobenzene	90		94		70-130	4		20
1,3,5-Trimethylbenzene	94		95		64-130	1		20
1,2,4-Trimethylbenzene	93		94		70-130	1		20
1,4-Dioxane	89		106		56-162	17		20
1,4-Diethylbenzene	94		94		70-130	0		20
4-Ethyltoluene	94		95		70-130	1		20
1,2,4,5-Tetramethylbenzene	89		92		70-130	3		20
Ethyl ether	99		99		59-134	0		20
trans-1,4-Dichloro-2-butene	74		72		70-130	3		20

Surrogate	LCS		LCSD		Acceptance Criteria
	%Recovery	Qual	%Recovery	Qual	
1,2-Dichloroethane-d4	92		91		70-130
Toluene-d8	95		94		70-130
4-Bromofluorobenzene	92		92		70-130
Dibromofluoromethane	100		100		70-130

# SEMIVOLATILES

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1302978**Project Number:** 5197-01-03-3001**Report Date:** 02/26/13**SAMPLE RESULTS**

**Lab ID:** L1302978-01  
**Client ID:** MW-1  
**Sample Location:** 1471 WEST FARMS RD. BRONX, NY  
**Matrix:** Water  
**Analytical Method:** 1,8270D  
**Analytical Date:** 02/22/13 16:43  
**Analyst:** JC

**Date Collected:** 02/19/13 12:45  
**Date Received:** 02/20/13  
**Field Prep:** See Narrative  
**Extraction Method:** EPA 3510C  
**Extraction Date:** 02/21/13 08:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.67	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.55	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.55	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.55	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.85	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.45	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.46	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.61	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.67	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.50	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.40	1
Hexachlorocyclopentadiene	ND		ug/l	20	2.1	1
Isophorone	ND		ug/l	5.0	0.35	1
Nitrobenzene	ND		ug/l	2.0	0.50	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.70	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.39	1
Bis(2-Ethylhexyl)phthalate	3.1		ug/l	3.0	1.4	1
Butyl benzyl phthalate	ND		ug/l	5.0	0.46	1
Di-n-butylphthalate	ND		ug/l	5.0	0.54	1
Di-n-octylphthalate	ND		ug/l	5.0	0.53	1
Diethyl phthalate	ND		ug/l	5.0	0.45	1
Dimethyl phthalate	ND		ug/l	5.0	0.45	1
Biphenyl	ND		ug/l	2.0	0.50	1
4-Chloroaniline	ND		ug/l	5.0	0.83	1
2-Nitroaniline	ND		ug/l	5.0	0.40	1
3-Nitroaniline	ND		ug/l	5.0	0.59	1
4-Nitroaniline	ND		ug/l	5.0	0.55	1
Dibenzofuran	ND		ug/l	2.0	0.47	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.65	1
Acetophenone	ND		ug/l	5.0	0.55	1

Project Name: COMPASS RESIDENCES

Lab Number: L1302978

Project Number: 5197-01-03-3001

Report Date: 02/26/13

## SAMPLE RESULTS

Lab ID: L1302978-01

Date Collected: 02/19/13 12:45

Client ID: MW-1

Date Received: 02/20/13

Sample Location: 1471 WEST FARMS RD. BRONX, NY

Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.45	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.50	1
2-Chlorophenol	ND		ug/l	2.0	0.34	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.43	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.2	1
2-Nitrophenol	ND		ug/l	10	0.48	1
4-Nitrophenol	ND		ug/l	10	1.2	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	0.59	1
Phenol	ND		ug/l	5.0	0.26	1
2-Methylphenol	ND		ug/l	5.0	0.53	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.47	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.45	1
Benzoic Acid	ND		ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.47	1
Carbazole	ND		ug/l	2.0	0.53	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	51		21-120
Phenol-d6	36		10-120
Nitrobenzene-d5	83		23-120
2-Fluorobiphenyl	83		15-120
2,4,6-Tribromophenol	99		10-120
4-Terphenyl-d14	112		41-149

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1302978**Project Number:** 5197-01-03-3001**Report Date:** 02/26/13**SAMPLE RESULTS**

Lab ID: L1302978-01  
 Client ID: MW-1  
 Sample Location: 1471 WEST FARMS RD. BRONX, NY  
 Matrix: Water  
 Analytical Method: 1,8270D-SIM  
 Analytical Date: 02/22/13 12:47  
 Analyst: AS

Date Collected: 02/19/13 12:45  
 Date Received: 02/20/13  
 Field Prep: See Narrative  
 Extraction Method: EPA 3510C  
 Extraction Date: 02/21/13 08:06

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS-SIM - Westborough Lab</b>						
Acenaphthene	ND		ug/l	0.20	0.06	1
2-Chloronaphthalene	ND		ug/l	0.20	0.07	1
Fluoranthene	ND		ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.07	1
Naphthalene	0.29		ug/l	0.20	0.06	1
Benzo(a)anthracene	ND		ug/l	0.20	0.06	1
Benzo(a)pyrene	ND		ug/l	0.20	0.07	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.07	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07	1
Chrysene	ND		ug/l	0.20	0.05	1
Acenaphthylene	ND		ug/l	0.20	0.05	1
Anthracene	ND		ug/l	0.20	0.06	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.07	1
Fluorene	ND		ug/l	0.20	0.06	1
Phenanthrene	0.07	J	ug/l	0.20	0.06	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.08	1
Pyrene	ND		ug/l	0.20	0.06	1
2-Methylnaphthalene	0.09	J	ug/l	0.20	0.06	1
Pentachlorophenol	ND		ug/l	0.80	0.19	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.07	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	47		21-120
Phenol-d6	33		10-120
Nitrobenzene-d5	82		23-120
2-Fluorobiphenyl	84		15-120
2,4,6-Tribromophenol	99		10-120
4-Terphenyl-d14	107		41-149

Project Name: COMPASS RESIDENCES

Lab Number: L1302978

Project Number: 5197-01-03-3001

Report Date: 02/26/13

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8270D  
 Analytical Date: 02/22/13 09:09  
 Analyst: JC

Extraction Method: EPA 3510C  
 Extraction Date: 02/21/13 08:04

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG591208-1					
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.67
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39
1,2-Dichlorobenzene	ND		ug/l	2.0	0.55
1,3-Dichlorobenzene	ND		ug/l	2.0	0.55
1,4-Dichlorobenzene	ND		ug/l	2.0	0.55
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.85
2,4-Dinitrotoluene	ND		ug/l	5.0	0.45
2,6-Dinitrotoluene	ND		ug/l	5.0	0.46
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.61
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.67
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.50
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.40
Hexachlorocyclopentadiene	ND		ug/l	20	2.1
Isophorone	ND		ug/l	5.0	0.35
Nitrobenzene	ND		ug/l	2.0	0.50
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.70
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.39
Bis(2-Ethylhexyl)phthalate	2.9	J	ug/l	3.0	1.4
Butyl benzyl phthalate	ND		ug/l	5.0	0.46
Di-n-butylphthalate	ND		ug/l	5.0	0.54
Di-n-octylphthalate	ND		ug/l	5.0	0.53
Diethyl phthalate	ND		ug/l	5.0	0.45
Dimethyl phthalate	ND		ug/l	5.0	0.45
Biphenyl	ND		ug/l	2.0	0.50
4-Chloroaniline	ND		ug/l	5.0	0.83
2-Nitroaniline	ND		ug/l	5.0	0.40
3-Nitroaniline	ND		ug/l	5.0	0.59
4-Nitroaniline	ND		ug/l	5.0	0.55
Dibenzofuran	ND		ug/l	2.0	0.47
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.65
Acetophenone	ND		ug/l	5.0	0.55

Project Name: COMPASS RESIDENCES

Lab Number: L1302978

Project Number: 5197-01-03-3001

Report Date: 02/26/13

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8270D  
 Analytical Date: 02/22/13 09:09  
 Analyst: JC

Extraction Method: EPA 3510C  
 Extraction Date: 02/21/13 08:04

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG591208-1					
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.45
P-Chloro-M-Cresol	ND		ug/l	2.0	0.50
2-Chlorophenol	ND		ug/l	2.0	0.34
2,4-Dichlorophenol	ND		ug/l	5.0	0.43
2,4-Dimethylphenol	ND		ug/l	5.0	1.2
2-Nitrophenol	ND		ug/l	10	0.48
4-Nitrophenol	ND		ug/l	10	1.2
2,4-Dinitrophenol	ND		ug/l	20	1.4
4,6-Dinitro-o-cresol	ND		ug/l	10	0.59
Phenol	ND		ug/l	5.0	0.26
2-Methylphenol	ND		ug/l	5.0	0.53
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.47
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.45
Benzoic Acid	ND		ug/l	50	1.0
Benzyl Alcohol	ND		ug/l	2.0	0.47
Carbazole	ND		ug/l	2.0	0.53

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	64		21-120
Phenol-d6	43		10-120
Nitrobenzene-d5	94		23-120
2-Fluorobiphenyl	86		15-120
2,4,6-Tribromophenol	92		10-120
4-Terphenyl-d14	119		41-149

Project Name: COMPASS RESIDENCES

Lab Number: L1302978

Project Number: 5197-01-03-3001

Report Date: 02/26/13

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8270D-SIM  
 Analytical Date: 02/22/13 11:34  
 Analyst: AS

Extraction Method: EPA 3510C  
 Extraction Date: 02/21/13 08:06

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01 Batch: WG591209-1					
Acenaphthene	ND		ug/l	0.20	0.06
2-Chloronaphthalene	ND		ug/l	0.20	0.07
Fluoranthene	ND		ug/l	0.20	0.04
Hexachlorobutadiene	ND		ug/l	0.50	0.07
Naphthalene	ND		ug/l	0.20	0.06
Benzo(a)anthracene	ND		ug/l	0.20	0.06
Benzo(a)pyrene	ND		ug/l	0.20	0.07
Benzo(b)fluoranthene	ND		ug/l	0.20	0.07
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07
Chrysene	ND		ug/l	0.20	0.05
Acenaphthylene	ND		ug/l	0.20	0.05
Anthracene	ND		ug/l	0.20	0.06
Benzo(ghi)perylene	ND		ug/l	0.20	0.07
Fluorene	ND		ug/l	0.20	0.06
Phenanthrene	ND		ug/l	0.20	0.06
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.08
Pyrene	ND		ug/l	0.20	0.06
2-Methylnaphthalene	ND		ug/l	0.20	0.06
Pentachlorophenol	ND		ug/l	0.80	0.19
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.07

Project Name: COMPASS RESIDENCES

Lab Number: L1302978

Project Number: 5197-01-03-3001

Report Date: 02/26/13

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8270D-SIM  
 Analytical Date: 02/22/13 11:34  
 Analyst: AS

Extraction Method: EPA 3510C  
 Extraction Date: 02/21/13 08:06

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01 Batch: WG591209-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	58		21-120
Phenol-d6	40		10-120
Nitrobenzene-d5	91		23-120
2-Fluorobiphenyl	87		15-120
2,4,6-Tribromophenol	106		10-120
4-Terphenyl-d14	118		41-149

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: COMPASS RESIDENCES

Lab Number: L1302978

Project Number: 5197-01-03-3001

Report Date: 02/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG591208-2 WG591208-3								
1,2,4-Trichlorobenzene	59		67		39-98	13		30
Bis(2-chloroethyl)ether	80		87		40-140	8		30
1,2-Dichlorobenzene	62		68		40-140	9		30
1,3-Dichlorobenzene	58		63		40-140	8		30
1,4-Dichlorobenzene	60		64		36-97	6		30
3,3'-Dichlorobenzidine	70		76		40-140	8		30
2,4-Dinitrotoluene	122	Q	128	Q	24-96	5		30
2,6-Dinitrotoluene	113		122		40-140	8		30
4-Chlorophenyl phenyl ether	88		100		40-140	13		30
4-Bromophenyl phenyl ether	103		112		40-140	8		30
Bis(2-chloroisopropyl)ether	78		86		40-140	10		30
Bis(2-chloroethoxy)methane	86		94		40-140	9		30
Hexachlorocyclopentadiene	25	Q	33	Q	40-140	28		30
Isophorone	92		101		40-140	9		30
Nitrobenzene	88		98		40-140	11		30
NitrosoDiPhenylAmine(NDPA)/DPA	105		112		40-140	6		30
n-Nitrosodi-n-propylamine	93		102		29-132	9		30
Bis(2-Ethylhexyl)phthalate	104		110		40-140	6		30
Butyl benzyl phthalate	105		113		40-140	7		30
Di-n-butylphthalate	125		133		40-140	6		30
Di-n-octylphthalate	98		105		40-140	7		30

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: COMPASS RESIDENCES

Lab Number: L1302978

Project Number: 5197-01-03-3001

Report Date: 02/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG591208-2 WG591208-3								
Diethyl phthalate	111		118		40-140	6		30
Dimethyl phthalate	103		110		40-140	7		30
Biphenyl	65		76			16		30
4-Chloroaniline	31	Q	36	Q	40-140	15		30
2-Nitroaniline	100		110		52-143	10		30
3-Nitroaniline	61		62		25-145	2		30
4-Nitroaniline	114		122		51-143	7		30
Dibenzofuran	83		94		40-140	12		30
1,2,4,5-Tetrachlorobenzene	57		68		2-134	18		30
Acetophenone	89		99		39-129	11		30
2,4,6-Trichlorophenol	112		121		30-130	8		30
P-Chloro-M-Cresol	110	Q	119	Q	23-97	8		30
2-Chlorophenol	90		96		27-123	6		30
2,4-Dichlorophenol	100		110		30-130	10		30
2,4-Dimethylphenol	97		105		30-130	8		30
2-Nitrophenol	87		99		30-130	13		30
4-Nitrophenol	64		71		10-80	10		30
2,4-Dinitrophenol	103		113		20-130	9		30
4,6-Dinitro-o-cresol	103		112		20-164	8		30
Phenol	45		50		12-110	11		30
2-Methylphenol	85		92		30-130	8		30

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: COMPASS RESIDENCES

Lab Number: L1302978

Project Number: 5197-01-03-3001

Report Date: 02/26/13

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG591208-2 WG591208-3								
3-Methylphenol/4-Methylphenol	82		89		30-130	8		30
2,4,5-Trichlorophenol	114		120		30-130	5		30
Benzoic Acid	44		44			0		30
Benzyl Alcohol	72		80			11		30
Carbazole	109		116		55-144	6		30

Surrogate	LCS		LCSD		Acceptance Criteria
	%Recovery	Qual	%Recovery	Qual	
2-Fluorophenol	59		62		21-120
Phenol-d6	42		46		10-120
Nitrobenzene-d5	89		98		23-120
2-Fluorobiphenyl	85		92		15-120
2,4,6-Tribromophenol	97		104		10-120
4-Terphenyl-d14	113		114		41-149

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: COMPASS RESIDENCES

Lab Number: L1302978

Project Number: 5197-01-03-3001

Report Date: 02/26/13

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01 Batch: WG591209-2 WG591209-3								
Acenaphthene	74		76		37-111	3		40
2-Chloronaphthalene	68		72		40-140	6		40
Fluoranthene	105		108		40-140	3		40
Hexachlorobutadiene	42		44		40-140	5		40
Naphthalene	62		65		40-140	5		40
Benzo(a)anthracene	96		97		40-140	1		40
Benzo(a)pyrene	99		101		40-140	2		40
Benzo(b)fluoranthene	98		117		40-140	18		40
Benzo(k)fluoranthene	105		99		40-140	6		40
Chrysene	90		89		40-140	1		40
Acenaphthylene	81		82		40-140	1		40
Anthracene	89		96		40-140	8		40
Benzo(ghi)perylene	98		96		40-140	2		40
Fluorene	87		93		40-140	7		40
Phenanthrene	87		89		40-140	2		40
Dibenzo(a,h)anthracene	101		98		40-140	3		40
Indeno(1,2,3-cd)Pyrene	102		99		40-140	3		40
Pyrene	99		101		26-127	2		40
2-Methylnaphthalene	67		71		40-140	6		40
Pentachlorophenol	98		100		9-103	2		40
Hexachlorobenzene	88		89		40-140	1		40

### Lab Control Sample Analysis Batch Quality Control

**Project Name:** COMPASS RESIDENCES  
**Project Number:** 5197-01-03-3001

**Lab Number:** L1302978  
**Report Date:** 02/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01 Batch: WG591209-2 WG591209-3								
Hexachloroethane	40		43		40-140	7		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	49		53		21-120
Phenol-d6	35		38		10-120
Nitrobenzene-d5	76		83		23-120
2-Fluorobiphenyl	80		86		15-120
2,4,6-Tribromophenol	105		102		10-120
4-Terphenyl-d14	102		106		41-149

# PCBS

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1302978**Project Number:** 5197-01-03-3001**Report Date:** 02/26/13**SAMPLE RESULTS**

**Lab ID:** L1302978-01  
**Client ID:** MW-1  
**Sample Location:** 1471 WEST FARMS RD. BRONX, NY  
**Matrix:** Water  
**Analytical Method:** 1,8082A  
**Analytical Date:** 02/22/13 10:34  
**Analyst:** JW

**Date Collected:** 02/19/13 12:45  
**Date Received:** 02/20/13  
**Field Prep:** See Narrative  
**Extraction Method:** EPA 3510C  
**Extraction Date:** 02/21/13 10:55  
**Cleanup Method1:** EPA 3665A  
**Cleanup Date1:** 02/22/13  
**Cleanup Method2:** EPA 3660B  
**Cleanup Date2:** 02/22/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Polychlorinated Biphenyls by GC - Westborough Lab</b>						
Aroclor 1016	ND		ug/l	0.083	0.055	1
Aroclor 1221	ND		ug/l	0.083	0.053	1
Aroclor 1232	ND		ug/l	0.083	0.031	1
Aroclor 1242	ND		ug/l	0.083	0.060	1
Aroclor 1248	ND		ug/l	0.083	0.051	1
Aroclor 1254	ND		ug/l	0.083	0.034	1
Aroclor 1260	ND		ug/l	0.083	0.032	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	66		30-150
Decachlorobiphenyl	83		30-150
2,4,5,6-Tetrachloro-m-xylene	64		30-150
Decachlorobiphenyl	83		30-150

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1302978**Project Number:** 5197-01-03-3001**Report Date:** 02/26/13

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8082A  
 Analytical Date: 02/22/13 09:53  
 Analyst: JW

Extraction Method: EPA 3510C  
 Extraction Date: 02/21/13 10:55  
 Cleanup Method1: EPA 3665A  
 Cleanup Date1: 02/22/13  
 Cleanup Method2: EPA 3660B  
 Cleanup Date2: 02/22/13

Parameter	Result	Qualifier	Units	RL	MDL
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01 Batch: WG591283-1					
Aroclor 1016	ND		ug/l	0.083	0.055
Aroclor 1221	ND		ug/l	0.083	0.053
Aroclor 1232	ND		ug/l	0.083	0.031
Aroclor 1242	ND		ug/l	0.083	0.060
Aroclor 1248	ND		ug/l	0.083	0.051
Aroclor 1254	ND		ug/l	0.083	0.034
Aroclor 1260	ND		ug/l	0.083	0.032

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	65		30-150
Decachlorobiphenyl	88		30-150
2,4,5,6-Tetrachloro-m-xylene	60		30-150
Decachlorobiphenyl	83		30-150

### Lab Control Sample Analysis Batch Quality Control

**Project Name:** COMPASS RESIDENCES  
**Project Number:** 5197-01-03-3001

**Lab Number:** L1302978  
**Report Date:** 02/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01 Batch: WG591283-2 WG591283-3								
Aroclor 1016	81		81		40-140	0		50
Aroclor 1260	88		90		40-140	2		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	64		61		30-150
Decachlorobiphenyl	90		82		30-150
2,4,5,6-Tetrachloro-m-xylene	59		59		30-150
Decachlorobiphenyl	86		82		30-150

# PESTICIDES

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1302978**Project Number:** 5197-01-03-3001**Report Date:** 02/26/13**SAMPLE RESULTS**

**Lab ID:** L1302978-01  
**Client ID:** MW-1  
**Sample Location:** 1471 WEST FARMS RD. BRONX, NY  
**Matrix:** Water  
**Analytical Method:** 1,8081B  
**Analytical Date:** 02/22/13 11:35  
**Analyst:** BW

**Date Collected:** 02/19/13 12:45  
**Date Received:** 02/20/13  
**Field Prep:** See Narrative  
**Extraction Method:** EPA 3510C  
**Extraction Date:** 02/21/13 10:53  
**Cleanup Method1:** EPA 3620B  
**Cleanup Date1:** 02/22/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Organochlorine Pesticides by GC - Westborough Lab</b>						
Endosulfan sulfate	0.007	J	ug/l	0.040	0.005	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	45		30-150	A
2,4,5,6-Tetrachloro-m-xylene	49		30-150	B
Decachlorobiphenyl	89		30-150	B

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1302978**Project Number:** 5197-01-03-3001**Report Date:** 02/26/13**SAMPLE RESULTS**

Lab ID: L1302978-01  
 Client ID: MW-1  
 Sample Location: 1471 WEST FARMS RD. BRONX, NY  
 Matrix: Water  
 Analytical Method: 1,8081B  
 Analytical Date: 02/22/13 11:35  
 Analyst: BW

Date Collected: 02/19/13 12:45  
 Date Received: 02/20/13  
 Field Prep: See Narrative  
 Extraction Method: EPA 3510C  
 Extraction Date: 02/21/13 10:53  
 Cleanup Method1: EPA 3620B  
 Cleanup Date1: 02/22/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Organochlorine Pesticides by GC - Westborough Lab</b>						
Delta-BHC	ND		ug/l	0.020	0.005	1
Lindane	ND		ug/l	0.020	0.004	1
Alpha-BHC	ND		ug/l	0.020	0.004	1
Beta-BHC	ND		ug/l	0.020	0.006	1
Heptachlor	ND		ug/l	0.020	0.003	1
Aldrin	ND		ug/l	0.020	0.002	1
Heptachlor epoxide	ND		ug/l	0.020	0.004	1
Endrin	ND		ug/l	0.040	0.004	1
Endrin ketone	ND		ug/l	0.040	0.005	1
Dieldrin	ND		ug/l	0.040	0.004	1
4,4'-DDE	ND		ug/l	0.040	0.004	1
4,4'-DDD	ND		ug/l	0.040	0.005	1
4,4'-DDT	ND		ug/l	0.040	0.004	1
Endosulfan I	ND		ug/l	0.020	0.003	1
Endosulfan II	ND		ug/l	0.040	0.005	1
Methoxychlor	ND		ug/l	0.200	0.007	1
Toxaphene	ND		ug/l	0.200	0.063	1
cis-Chlordane	ND		ug/l	0.020	0.007	1
trans-Chlordane	ND		ug/l	0.020	0.006	1
Chlordane	ND		ug/l	0.200	0.046	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	45		30-150	A
2,4,5,6-Tetrachloro-m-xylene	49		30-150	B
Decachlorobiphenyl	89		30-150	B

Project Name: COMPASS RESIDENCES

Lab Number: L1302978

Project Number: 5197-01-03-3001

Report Date: 02/26/13

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8081B  
Analytical Date: 02/22/13 10:56  
Analyst: BW

Extraction Method: EPA 3510C  
Extraction Date: 02/21/13 10:53  
Cleanup Method1: EPA 3620B  
Cleanup Date1: 02/22/13

Parameter	Result	Qualifier	Units	RL	MDL
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01 Batch: WG591282-1					
Delta-BHC	ND		ug/l	0.020	0.005
Lindane	ND		ug/l	0.020	0.004
Alpha-BHC	ND		ug/l	0.020	0.004
Beta-BHC	ND		ug/l	0.020	0.006
Heptachlor	ND		ug/l	0.020	0.003
Aldrin	ND		ug/l	0.020	0.002
Heptachlor epoxide	ND		ug/l	0.020	0.004
Endrin	ND		ug/l	0.040	0.004
Endrin ketone	ND		ug/l	0.040	0.005
Dieldrin	ND		ug/l	0.040	0.004
4,4'-DDE	ND		ug/l	0.040	0.004
4,4'-DDD	ND		ug/l	0.040	0.005
4,4'-DDT	ND		ug/l	0.040	0.004
Endosulfan I	ND		ug/l	0.020	0.003
Endosulfan II	ND		ug/l	0.040	0.005
Endosulfan sulfate	ND		ug/l	0.040	0.005
Methoxychlor	ND		ug/l	0.200	0.007
Toxaphene	ND		ug/l	0.200	0.063
cis-Chlordane	ND		ug/l	0.020	0.007
trans-Chlordane	ND		ug/l	0.020	0.006
Chlordane	ND		ug/l	0.200	0.046

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	61		30-150	A
Decachlorobiphenyl	45		30-150	A
2,4,5,6-Tetrachloro-m-xylene	39		30-150	B
Decachlorobiphenyl	80		30-150	B

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: COMPASS RESIDENCES

Lab Number: L1302978

Project Number: 5197-01-03-3001

Report Date: 02/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG591282-2 WG591282-3								
Delta-BHC	79		74		30-150	6		20
Lindane	82		78		30-150	6		20
Alpha-BHC	84		79		30-150	6		20
Beta-BHC	84		80		30-150	5		20
Heptachlor	72		69		30-150	4		20
Aldrin	78		75		30-150	4		20
Heptachlor epoxide	97		93		30-150	5		20
Endrin	122		114		30-150	7		20
Endrin ketone	111		103		30-150	7		20
Dieldrin	106		101		30-150	5		20
4,4'-DDE	109		98		30-150	11		20
4,4'-DDD	113		107		30-150	5		20
4,4'-DDT	113		104		30-150	8		20
Endosulfan I	101		102		30-150	1		20
Endosulfan II	107		101		30-150	6		20
Endosulfan sulfate	108		100		30-150	8		20
Methoxychlor	112		104		30-150	7		20
cis-Chlordane	98		92		30-150	5		20
trans-Chlordane	99		95		30-150	5		20

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: COMPASS RESIDENCES

Lab Number: L1302978

Project Number: 5197-01-03-3001

Report Date: 02/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
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Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG591282-2 WG591282-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		61		30-150	A
Decachlorobiphenyl	45		45		30-150	A
2,4,5,6-Tetrachloro-m-xylene	43		40		30-150	B
Decachlorobiphenyl	79		84		30-150	B

## METALS

**Project Name:** COMPASS RESIDENCES  
**Project Number:** 5197-01-03-3001

**Lab Number:** L1302978  
**Report Date:** 02/26/13

**SAMPLE RESULTS**

Lab ID: L1302978-01  
 Client ID: MW-1  
 Sample Location: 1471 WEST FARMS RD. BRONX, NY  
 Matrix: Water

Date Collected: 02/19/13 12:45  
 Date Received: 02/20/13  
 Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Westborough Lab</b>											
Aluminum, Total	0.47		mg/l	0.10	0.02	1	02/25/13 09:33	02/26/13 09:31	EPA 3005A	1,6010C	KL
Antimony, Total	ND		mg/l	0.050	0.010	1	02/25/13 09:33	02/26/13 09:31	EPA 3005A	1,6010C	KL
Arsenic, Total	ND		mg/l	0.005	0.002	1	02/25/13 09:33	02/26/13 09:31	EPA 3005A	1,6010C	KL
Barium, Total	0.068		mg/l	0.010	0.003	1	02/25/13 09:33	02/26/13 09:31	EPA 3005A	1,6010C	KL
Beryllium, Total	ND		mg/l	0.005	0.0004	1	02/25/13 09:33	02/26/13 09:31	EPA 3005A	1,6010C	KL
Cadmium, Total	ND		mg/l	0.005	0.001	1	02/25/13 09:33	02/26/13 09:31	EPA 3005A	1,6010C	KL
Calcium, Total	59		mg/l	0.10	0.02	1	02/25/13 09:33	02/26/13 09:31	EPA 3005A	1,6010C	KL
Chromium, Total	ND		mg/l	0.01	0.002	1	02/25/13 09:33	02/26/13 09:31	EPA 3005A	1,6010C	KL
Cobalt, Total	0.013	J	mg/l	0.020	0.005	1	02/25/13 09:33	02/26/13 09:31	EPA 3005A	1,6010C	KL
Copper, Total	0.013		mg/l	0.010	0.005	1	02/25/13 09:33	02/26/13 09:31	EPA 3005A	1,6010C	KL
Iron, Total	2.9		mg/l	0.05	0.02	1	02/25/13 09:33	02/26/13 09:31	EPA 3005A	1,6010C	KL
Lead, Total	ND		mg/l	0.010	0.003	1	02/25/13 09:33	02/26/13 09:31	EPA 3005A	1,6010C	KL
Magnesium, Total	10		mg/l	0.10	0.04	1	02/25/13 09:33	02/26/13 09:31	EPA 3005A	1,6010C	KL
Manganese, Total	2.19		mg/l	0.010	0.002	1	02/25/13 09:33	02/26/13 09:31	EPA 3005A	1,6010C	KL
Mercury, Total	ND		mg/l	0.0002	0.0001	1	02/25/13 16:27	02/25/13 20:32	EPA 7470A	1,7470A	JH
Nickel, Total	0.006	J	mg/l	0.025	0.004	1	02/25/13 09:33	02/26/13 09:31	EPA 3005A	1,6010C	KL
Potassium, Total	11		mg/l	2.5	0.80	1	02/25/13 09:33	02/26/13 09:31	EPA 3005A	1,6010C	KL
Selenium, Total	ND		mg/l	0.010	0.003	1	02/25/13 09:33	02/26/13 09:31	EPA 3005A	1,6010C	KL
Silver, Total	ND		mg/l	0.007	0.002	1	02/25/13 09:33	02/26/13 09:31	EPA 3005A	1,6010C	KL
Sodium, Total	50		mg/l	2.0	0.80	1	02/25/13 09:33	02/26/13 09:31	EPA 3005A	1,6010C	KL
Thallium, Total	ND		mg/l	0.020	0.006	1	02/25/13 09:33	02/26/13 09:31	EPA 3005A	1,6010C	KL
Vanadium, Total	ND		mg/l	0.010	0.002	1	02/25/13 09:33	02/26/13 09:31	EPA 3005A	1,6010C	KL
Zinc, Total	0.025	J	mg/l	0.050	0.005	1	02/25/13 09:33	02/26/13 09:31	EPA 3005A	1,6010C	KL
<b>Dissolved Metals - Westborough Lab</b>											
Aluminum, Dissolved	0.04	J	mg/l	0.10	0.002	1	02/22/13 07:45	02/22/13 11:28	NA	1,6010C	KL
Antimony, Dissolved	ND		mg/l	0.050	0.010	1	02/22/13 07:45	02/22/13 11:28	NA	1,6010C	KL
Arsenic, Dissolved	0.003	J	mg/l	0.005	0.003	1	02/22/13 07:45	02/22/13 11:28	NA	1,6010C	KL
Barium, Dissolved	0.062		mg/l	0.010	0.003	1	02/22/13 07:45	02/22/13 11:28	NA	1,6010C	KL
Beryllium, Dissolved	ND		mg/l	0.005	0.0004	1	02/22/13 07:45	02/22/13 11:28	NA	1,6010C	KL
Cadmium, Dissolved	ND		mg/l	0.005	0.001	1	02/22/13 07:45	02/22/13 11:28	NA	1,6010C	KL



**Project Name:** COMPASS RESIDENCES  
**Project Number:** 5197-01-03-3001

**Lab Number:** L1302978  
**Report Date:** 02/26/13

**SAMPLE RESULTS**

**Lab ID:** L1302978-01  
**Client ID:** MW-1  
**Sample Location:** 1471 WEST FARMS RD. BRONX, NY  
**Matrix:** Water

**Date Collected:** 02/19/13 12:45  
**Date Received:** 02/20/13  
**Field Prep:** See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Calcium, Dissolved	62		mg/l	0.10	0.02	1	02/22/13 07:45	02/22/13 11:28	NA	1,6010C	KL
Chromium, Dissolved	ND		mg/l	0.01	0.002	1	02/22/13 07:45	02/22/13 11:28	NA	1,6010C	KL
Cobalt, Dissolved	0.016	J	mg/l	0.020	0.005	1	02/22/13 07:45	02/22/13 11:28	NA	1,6010C	KL
Copper, Dissolved	ND		mg/l	0.010	0.005	1	02/22/13 07:45	02/22/13 11:28	NA	1,6010C	KL
Iron, Dissolved	1.7		mg/l	0.05	0.02	1	02/22/13 07:45	02/22/13 11:28	NA	1,6010C	KL
Lead, Dissolved	ND		mg/l	0.010	0.003	1	02/22/13 07:45	02/22/13 11:28	NA	1,6010C	KL
Magnesium, Dissolved	12		mg/l	0.10	0.04	1	02/22/13 07:45	02/22/13 11:28	NA	1,6010C	KL
Manganese, Dissolved	2.16		mg/l	0.010	0.002	1	02/22/13 07:45	02/22/13 11:28	NA	1,6010C	KL
Mercury, Dissolved	ND		mg/l	0.0002	0.0001	1	02/25/13 16:27	02/25/13 20:22	EPA 7470A	1,7470A	JH
Nickel, Dissolved	0.007	J	mg/l	0.025	0.004	1	02/22/13 07:45	02/22/13 11:28	NA	1,6010C	KL
Potassium, Dissolved	12		mg/l	2.5	0.80	1	02/22/13 07:45	02/22/13 11:28	NA	1,6010C	KL
Selenium, Dissolved	0.004	J	mg/l	0.010	0.003	1	02/22/13 07:45	02/22/13 11:28	NA	1,6010C	KL
Silver, Dissolved	ND		mg/l	0.007	0.002	1	02/22/13 07:45	02/22/13 11:28	NA	1,6010C	KL
Sodium, Dissolved	53		mg/l	2.0	0.80	1	02/22/13 07:45	02/22/13 11:28	NA	1,6010C	KL
Thallium, Dissolved	ND		mg/l	0.020	0.006	1	02/22/13 07:45	02/22/13 11:28	NA	1,6010C	KL
Vanadium, Dissolved	ND		mg/l	0.010	0.002	1	02/22/13 07:45	02/22/13 11:28	NA	1,6010C	KL
Zinc, Dissolved	0.018	J	mg/l	0.050	0.005	1	02/22/13 07:45	02/22/13 11:28	NA	1,6010C	KL



**Project Name:** COMPASS RESIDENCES  
**Project Number:** 5197-01-03-3001

**Lab Number:** L1302978  
**Report Date:** 02/26/13

## Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Westborough Lab for sample(s): 01 Batch: WG591417-1										
Aluminum, Dissolved	0.01	J	mg/l	0.10	0.002	1	02/22/13 07:45	02/22/13 10:39	1,6010C	KL
Antimony, Dissolved	ND		mg/l	0.050	0.010	1	02/22/13 07:45	02/22/13 10:39	1,6010C	KL
Arsenic, Dissolved	0.003	J	mg/l	0.005	0.003	1	02/22/13 07:45	02/22/13 10:39	1,6010C	KL
Barium, Dissolved	ND		mg/l	0.010	0.003	1	02/22/13 07:45	02/22/13 10:39	1,6010C	KL
Beryllium, Dissolved	ND		mg/l	0.005	0.0004	1	02/22/13 07:45	02/22/13 10:39	1,6010C	KL
Cadmium, Dissolved	ND		mg/l	0.005	0.001	1	02/22/13 07:45	02/22/13 10:39	1,6010C	KL
Calcium, Dissolved	ND		mg/l	0.10	0.02	1	02/22/13 07:45	02/22/13 10:39	1,6010C	KL
Chromium, Dissolved	ND		mg/l	0.01	0.002	1	02/22/13 07:45	02/22/13 10:39	1,6010C	KL
Cobalt, Dissolved	ND		mg/l	0.020	0.005	1	02/22/13 07:45	02/22/13 10:39	1,6010C	KL
Copper, Dissolved	ND		mg/l	0.010	0.005	1	02/22/13 07:45	02/22/13 10:39	1,6010C	KL
Iron, Dissolved	ND		mg/l	0.05	0.02	1	02/22/13 07:45	02/22/13 10:39	1,6010C	KL
Lead, Dissolved	ND		mg/l	0.010	0.003	1	02/22/13 07:45	02/22/13 10:39	1,6010C	KL
Magnesium, Dissolved	ND		mg/l	0.10	0.04	1	02/22/13 07:45	02/22/13 10:39	1,6010C	KL
Manganese, Dissolved	ND		mg/l	0.010	0.002	1	02/22/13 07:45	02/22/13 10:39	1,6010C	KL
Nickel, Dissolved	ND		mg/l	0.025	0.004	1	02/22/13 07:45	02/22/13 10:39	1,6010C	KL
Potassium, Dissolved	ND		mg/l	2.5	0.80	1	02/22/13 07:45	02/22/13 10:39	1,6010C	KL
Selenium, Dissolved	ND		mg/l	0.010	0.003	1	02/22/13 07:45	02/22/13 10:39	1,6010C	KL
Silver, Dissolved	ND		mg/l	0.007	0.002	1	02/22/13 07:45	02/22/13 10:39	1,6010C	KL
Sodium, Dissolved	ND		mg/l	2.0	0.80	1	02/22/13 07:45	02/22/13 10:39	1,6010C	KL
Thallium, Dissolved	ND		mg/l	0.020	0.006	1	02/22/13 07:45	02/22/13 10:39	1,6010C	KL
Vanadium, Dissolved	ND		mg/l	0.010	0.002	1	02/22/13 07:45	02/22/13 10:39	1,6010C	KL
Zinc, Dissolved	ND		mg/l	0.050	0.005	1	02/22/13 07:45	02/22/13 10:39	1,6010C	KL

### Prep Information

Digestion Method: NA

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01 Batch: WG591711-1										
Aluminum, Total	ND		mg/l	0.10	0.02	1	02/25/13 09:33	02/26/13 09:19	1,6010C	KL
Antimony, Total	ND		mg/l	0.050	0.010	1	02/25/13 09:33	02/26/13 09:19	1,6010C	KL
Arsenic, Total	ND		mg/l	0.005	0.002	1	02/25/13 09:33	02/26/13 09:19	1,6010C	KL
Barium, Total	ND		mg/l	0.010	0.003	1	02/25/13 09:33	02/26/13 09:19	1,6010C	KL



**Project Name:** COMPASS RESIDENCES  
**Project Number:** 5197-01-03-3001

**Lab Number:** L1302978  
**Report Date:** 02/26/13

### Method Blank Analysis Batch Quality Control

Beryllium, Total	ND	mg/l	0.005	0.0004	1	02/25/13 09:33	02/26/13 09:19	1,6010C	KL
Cadmium, Total	ND	mg/l	0.005	0.001	1	02/25/13 09:33	02/26/13 09:19	1,6010C	KL
Calcium, Total	ND	mg/l	0.10	0.02	1	02/25/13 09:33	02/26/13 09:19	1,6010C	KL
Chromium, Total	ND	mg/l	0.01	0.002	1	02/25/13 09:33	02/26/13 09:19	1,6010C	KL
Cobalt, Total	ND	mg/l	0.020	0.005	1	02/25/13 09:33	02/26/13 09:19	1,6010C	KL
Copper, Total	ND	mg/l	0.010	0.005	1	02/25/13 09:33	02/26/13 09:19	1,6010C	KL
Iron, Total	ND	mg/l	0.05	0.02	1	02/25/13 09:33	02/26/13 09:19	1,6010C	KL
Lead, Total	ND	mg/l	0.010	0.003	1	02/25/13 09:33	02/26/13 09:19	1,6010C	KL
Magnesium, Total	ND	mg/l	0.10	0.04	1	02/25/13 09:33	02/26/13 09:19	1,6010C	KL
Manganese, Total	ND	mg/l	0.010	0.002	1	02/25/13 09:33	02/26/13 09:19	1,6010C	KL
Nickel, Total	ND	mg/l	0.025	0.004	1	02/25/13 09:33	02/26/13 09:19	1,6010C	KL
Potassium, Total	ND	mg/l	2.5	0.80	1	02/25/13 09:33	02/26/13 09:19	1,6010C	KL
Selenium, Total	ND	mg/l	0.010	0.003	1	02/25/13 09:33	02/26/13 09:19	1,6010C	KL
Silver, Total	ND	mg/l	0.007	0.002	1	02/25/13 09:33	02/26/13 09:19	1,6010C	KL
Sodium, Total	ND	mg/l	2.0	0.80	1	02/25/13 09:33	02/26/13 09:19	1,6010C	KL
Thallium, Total	ND	mg/l	0.020	0.006	1	02/25/13 09:33	02/26/13 09:19	1,6010C	KL
Vanadium, Total	ND	mg/l	0.010	0.002	1	02/25/13 09:33	02/26/13 09:19	1,6010C	KL
Zinc, Total	ND	mg/l	0.050	0.005	1	02/25/13 09:33	02/26/13 09:19	1,6010C	KL

#### Prep Information

Digestion Method: EPA 3005A

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Westborough Lab for sample(s): 01 Batch: WG591824-1									
Mercury, Dissolved	ND	mg/l	0.0002	0.0001	1	02/25/13 16:27	02/25/13 20:19	1,7470A	JH

#### Prep Information

Digestion Method: EPA 7470A

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01 Batch: WG591826-1									
Mercury, Total	ND	mg/l	0.0002	0.0001	1	02/25/13 16:27	02/25/13 20:28	1,7470A	JH



**Project Name:** COMPASS RESIDENCES

**Lab Number:** L1302978

**Project Number:** 5197-01-03-3001

**Report Date:** 02/26/13

## **Method Blank Analysis Batch Quality Control**

### **Prep Information**

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Digestion Method: EPA 7470A

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** COMPASS RESIDENCES

**Lab Number:** L1302978

**Project Number:** 5197-01-03-3001

**Report Date:** 02/26/13

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Dissolved Metals - Westborough Lab Associated sample(s): 01 Batch: WG591417-2								
Aluminum, Dissolved	100		-		80-120	-		
Antimony, Dissolved	97		-		80-120	-		
Arsenic, Dissolved	108		-		80-120	-		
Barium, Dissolved	92		-		80-120	-		
Beryllium, Dissolved	96		-		80-120	-		
Cadmium, Dissolved	109		-		80-120	-		
Calcium, Dissolved	100		-		80-120	-		
Chromium, Dissolved	100		-		80-120	-		
Cobalt, Dissolved	99		-		80-120	-		
Copper, Dissolved	96		-		80-120	-		
Iron, Dissolved	100		-		80-120	-		
Lead, Dissolved	104		-		80-120	-		
Magnesium, Dissolved	110		-		80-120	-		
Manganese, Dissolved	94		-		80-120	-		
Nickel, Dissolved	99		-		80-120	-		
Potassium, Dissolved	96		-		80-120	-		
Selenium, Dissolved	103		-		80-120	-		
Silver, Dissolved	95		-		80-120	-		
Sodium, Dissolved	100		-		80-120	-		
Thallium, Dissolved	100		-		80-120	-		
Vanadium, Dissolved	103		-		80-120	-		

## Lab Control Sample Analysis

Batch Quality Control

**Project Name:** COMPASS RESIDENCES

**Lab Number:** L1302978

**Project Number:** 5197-01-03-3001

**Report Date:** 02/26/13

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 01 Batch: WG591417-2					
Zinc, Dissolved	109	-	80-120	-	

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** COMPASS RESIDENCES

**Lab Number:** L1302978

**Project Number:** 5197-01-03-3001

**Report Date:** 02/26/13

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG591711-2					
Aluminum, Total	105	-	80-120	-	
Antimony, Total	106	-	80-120	-	
Arsenic, Total	114	-	80-120	-	
Barium, Total	102	-	80-120	-	
Beryllium, Total	99	-	80-120	-	
Cadmium, Total	106	-	80-120	-	
Calcium, Total	100	-	80-120	-	
Chromium, Total	100	-	80-120	-	
Cobalt, Total	103	-	80-120	-	
Copper, Total	104	-	80-120	-	
Iron, Total	110	-	80-120	-	
Lead, Total	106	-	80-120	-	
Magnesium, Total	100	-	80-120	-	
Manganese, Total	102	-	80-120	-	
Nickel, Total	102	-	80-120	-	
Potassium, Total	100	-	80-120	-	
Selenium, Total	106	-	80-120	-	
Silver, Total	98	-	80-120	-	
Sodium, Total	100	-	80-120	-	
Thallium, Total	102	-	80-120	-	
Vanadium, Total	107	-	80-120	-	

## Lab Control Sample Analysis

Batch Quality Control

**Project Name:** COMPASS RESIDENCES

**Lab Number:** L1302978

**Project Number:** 5197-01-03-3001

**Report Date:** 02/26/13

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG591711-2					
Zinc, Total	104	-	80-120	-	
Dissolved Metals - Westborough Lab Associated sample(s): 01 Batch: WG591824-2					
Mercury, Dissolved	103	-	70-130	-	
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG591826-2					
Mercury, Total	98	-	80-120	-	

### Matrix Spike Analysis Batch Quality Control

**Project Name:** COMPASS RESIDENCES  
**Project Number:** 5197-01-03-3001

**Lab Number:** L1302978  
**Report Date:** 02/26/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Qual	MSD Found	MSD %Recovery	MSD Qual	Recovery Limits	RPD	RPD Qual	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG591417-4 QC Sample: L1302978-01 Client ID: MW-1												
Aluminum, Dissolved	0.04J	2	2.0	100		-	-		75-125	-		20
Antimony, Dissolved	ND	0.5	0.511	102		-	-		75-125	-		20
Arsenic, Dissolved	0.003J	0.12	0.138	115		-	-		75-125	-		20
Barium, Dissolved	0.062	2	1.92	93		-	-		75-125	-		20
Beryllium, Dissolved	ND	0.05	0.048	96		-	-		75-125	-		20
Cadmium, Dissolved	ND	0.051	0.053	103		-	-		75-125	-		20
Calcium, Dissolved	62.	10	64	20	Q	-	-		75-125	-		20
Chromium, Dissolved	ND	0.2	0.19	95		-	-		75-125	-		20
Cobalt, Dissolved	0.016J	0.5	0.498	100		-	-		75-125	-		20
Copper, Dissolved	ND	0.25	0.245	98		-	-		75-125	-		20
Iron, Dissolved	1.7	1	2.6	90		-	-		75-125	-		20
Lead, Dissolved	ND	0.51	0.502	98		-	-		75-125	-		20
Magnesium, Dissolved	12.	10	17	50	Q	-	-		75-125	-		20
Manganese, Dissolved	2.16	0.5	2.43	54	Q	-	-		75-125	-		20
Nickel, Dissolved	0.007J	0.5	0.486	97		-	-		75-125	-		20
Potassium, Dissolved	12.	10	21	90		-	-		75-125	-		20
Selenium, Dissolved	0.004J	0.12	0.135	112		-	-		75-125	-		20
Silver, Dissolved	ND	0.05	0.046	91		-	-		75-125	-		20
Sodium, Dissolved	53.	10	59	60	Q	-	-		75-125	-		20
Thallium, Dissolved	ND	0.12	0.114	95		-	-		75-125	-		20
Vanadium, Dissolved	ND	0.5	0.498	100		-	-		75-125	-		20

**Matrix Spike Analysis**  
Batch Quality Control

**Project Name:** COMPASS RESIDENCES

**Lab Number:** L1302978

**Project Number:** 5197-01-03-3001

**Report Date:** 02/26/13

<b>Parameter</b>	<b>Native Sample</b>	<b>MS Added</b>	<b>MS Found</b>	<b>MS %Recovery</b>	<b>MSD Found</b>	<b>MSD %Recovery</b>	<b>Recovery Limits</b>	<b>RPD</b>	<b>RPD Limits</b>
Dissolved Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG591417-4 QC Sample: L1302978-01 Client ID: MW-1									
Zinc, Dissolved	0.018J	0.5	0.516	103	-	-	75-125	-	20

### Matrix Spike Analysis Batch Quality Control

**Project Name:** COMPASS RESIDENCES  
**Project Number:** 5197-01-03-3001

**Lab Number:** L1302978  
**Report Date:** 02/26/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01    QC Batch ID: WG591711-4    QC Sample: L1302978-01    Client ID: MW-1									
Aluminum, Total	0.47	2	2.5	102	-	-	75-125	-	20
Antimony, Total	ND	0.5	0.552	110	-	-	75-125	-	20
Arsenic, Total	ND	0.12	0.143	119	-	-	75-125	-	20
Barium, Total	0.068	2	2.08	100	-	-	75-125	-	20
Beryllium, Total	ND	0.05	0.049	98	-	-	75-125	-	20
Cadmium, Total	ND	0.051	0.052	102	-	-	75-125	-	20
Calcium, Total	59.	10	64	50	Q	-	75-125	-	20
Chromium, Total	ND	0.2	0.19	95	-	-	75-125	-	20
Cobalt, Total	0.013J	0.5	0.522	104	-	-	75-125	-	20
Copper, Total	0.013	0.25	0.274	104	-	-	75-125	-	20
Iron, Total	2.9	1	3.8	90	-	-	75-125	-	20
Lead, Total	ND	0.51	0.524	103	-	-	75-125	-	20
Magnesium, Total	10.	10	17	70	Q	-	75-125	-	20
Manganese, Total	2.19	0.5	2.54	70	Q	-	75-125	-	20
Nickel, Total	0.006J	0.5	0.512	102	-	-	75-125	-	20
Potassium, Total	11.	10	21	100	-	-	75-125	-	20
Selenium, Total	ND	0.12	0.136	113	-	-	75-125	-	20
Silver, Total	ND	0.05	0.048	96	-	-	75-125	-	20
Sodium, Total	50.	10	58	80	-	-	75-125	-	20
Thallium, Total	ND	0.12	0.118	98	-	-	75-125	-	20
Vanadium, Total	ND	0.5	0.532	106	-	-	75-125	-	20

**Matrix Spike Analysis**  
Batch Quality Control

Project Name: COMPASS RESIDENCES

Lab Number: L1302978

Project Number: 5197-01-03-3001

Report Date: 02/26/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG591711-4 QC Sample: L1302978-01 Client ID: MW-1									
Zinc, Total	0.025J	0.5	0.511	102	-	-	75-125	-	20
Dissolved Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG591824-4 QC Sample: L1302978-01 Client ID: MW-1									
Mercury, Dissolved	ND	0.001	0.0012	120	-	-	70-130	-	20
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG591826-4 QC Sample: L1302978-01 Client ID: MW-1									
Mercury, Total	ND	0.001	0.0012	117	-	-	70-130	-	20

## Lab Duplicate Analysis

Batch Quality Control

Project Name: COMPASS RESIDENCES

Project Number: 5197-01-03-3001

Lab Number: L1302978

Report Date: 02/26/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG591417-3 QC Sample: L1302978-01 Client ID: MW-1						
Aluminum, Dissolved	0.04J	ND	mg/l	NC		20
Antimony, Dissolved	ND	ND	mg/l	NC		20
Arsenic, Dissolved	0.003J	ND	mg/l	NC		20
Barium, Dissolved	0.062	0.061	mg/l	1		20
Beryllium, Dissolved	ND	ND	mg/l	NC		20
Cadmium, Dissolved	ND	ND	mg/l	NC		20
Calcium, Dissolved	62.	57	mg/l	8		20
Chromium, Dissolved	ND	ND	mg/l	NC		20
Cobalt, Dissolved	0.016J	0.015J	mg/l	NC		20
Copper, Dissolved	ND	ND	mg/l	NC		20
Iron, Dissolved	1.7	1.6	mg/l	6		20
Lead, Dissolved	ND	ND	mg/l	NC		20
Magnesium, Dissolved	12.	9.2	mg/l	26	Q	20
Manganese, Dissolved	2.16	2.03	mg/l	6		20
Nickel, Dissolved	0.007J	0.007J	mg/l	NC		20
Potassium, Dissolved	12.	11	mg/l	9		20
Selenium, Dissolved	0.004J	ND	mg/l	NC		20
Silver, Dissolved	ND	ND	mg/l	NC		20
Sodium, Dissolved	53.	51	mg/l	4		20

## Lab Duplicate Analysis

Batch Quality Control

Project Name: COMPASS RESIDENCES

Project Number: 5197-01-03-3001

Lab Number: L1302978

Report Date: 02/26/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG591417-3 QC Sample: L1302978-01 Client ID: MW-1					
Thallium, Dissolved	ND	ND	mg/l	NC	20
Vanadium, Dissolved	ND	ND	mg/l	NC	20
Zinc, Dissolved	0.018J	0.017J	mg/l	NC	20

## Lab Duplicate Analysis

Batch Quality Control

Project Name: COMPASS RESIDENCES

Project Number: 5197-01-03-3001

Lab Number: L1302978

Report Date: 02/26/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG591711-3 QC Sample: L1302978-01 Client ID: MW-1					
Aluminum, Total	0.47	0.43	mg/l	9	20
Antimony, Total	ND	ND	mg/l	NC	20
Arsenic, Total	ND	ND	mg/l	NC	20
Barium, Total	0.068	0.067	mg/l	2	20
Beryllium, Total	ND	ND	mg/l	NC	20
Cadmium, Total	ND	ND	mg/l	NC	20
Calcium, Total	59.	54	mg/l	9	20
Chromium, Total	ND	ND	mg/l	NC	20
Cobalt, Total	0.013J	0.013J	mg/l	NC	20
Copper, Total	0.013	0.014	mg/l	7	20
Iron, Total	2.9	2.8	mg/l	4	20
Lead, Total	ND	ND	mg/l	NC	20
Magnesium, Total	10.	8.6	mg/l	15	20
Manganese, Total	2.19	2.07	mg/l	6	20
Nickel, Total	0.006J	0.005J	mg/l	NC	20
Potassium, Total	11.	11	mg/l	0	20
Selenium, Total	ND	ND	mg/l	NC	20
Silver, Total	ND	ND	mg/l	NC	20
Sodium, Total	50.	47	mg/l	6	20

## Lab Duplicate Analysis

Batch Quality Control

Project Name: COMPASS RESIDENCES

Project Number: 5197-01-03-3001

Lab Number: L1302978

Report Date: 02/26/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
<b>Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG591711-3 QC Sample: L1302978-01 Client ID: MW-1</b>					
Thallium, Total	ND	ND	mg/l	NC	20
Vanadium, Total	ND	ND	mg/l	NC	20
Zinc, Total	0.025J	0.022J	mg/l	NC	20
<b>Dissolved Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG591824-3 QC Sample: L1302978-01 Client ID: MW-1</b>					
Mercury, Dissolved	ND	ND	mg/l	NC	20
<b>Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG591826-3 QC Sample: L1302978-01 Client ID: MW-1</b>					
Mercury, Total	ND	ND	mg/l	NC	20

Project Name: COMPASS RESIDENCES

Lab Number: L1302978

Project Number: 5197-01-03-3001

Report Date: 02/26/13

## Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

## Cooler Information Custody Seal

## Cooler

A Absent

## Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1302978-01A	Vial HCl preserved	A	N/A	4	Y	Absent	NYTCL-8260(14)
L1302978-01B	Vial HCl preserved	A	N/A	4	Y	Absent	NYTCL-8260(14)
L1302978-01C	Vial HCl preserved	A	N/A	4	Y	Absent	NYTCL-8260(14)
L1302978-01D	Amber 1000ml unpreserved	A	7	4	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1302978-01E	Amber 1000ml unpreserved	A	7	4	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1302978-01F	Amber 1000ml unpreserved	A	7	4	Y	Absent	NYTCL-8081(7)
L1302978-01G	Amber 1000ml unpreserved	A	7	4	Y	Absent	NYTCL-8082-1200ML(7)
L1302978-01H	Amber 1000ml unpreserved	A	7	4	Y	Absent	NYTCL-8082-1200ML(7)
L1302978-01J	Plastic 500ml HNO3 preserved	A	<2	4	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1302978-01K	Plastic 500ml HNO3 preserved	A	<2	4	Y	Absent	PB-SI(180),FE-SI(180),TL-SI(180),BA-SI(180),AG-SI(180),AS-SI(180),CU-SI(180),MN-SI(180),NA-SI(180),NI-SI(180),AL-SI(180),BE-SI(180),CD-SI(180),CO-SI(180),CR-SI(180),K-SI(180),MG-SI(180),SB-SI(180),CA-SI(180),HG-S(28),SE-SI(180),V-SI(180),ZN-SI(180)

\*Values in parentheses indicate holding time in days

**Project Name:** COMPASS RESIDENCES  
**Project Number:** 5197-01-03-3001

**Lab Number:** L1302978  
**Report Date:** 02/26/13

## GLOSSARY

### Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

### Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

### Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

### Data Qualifiers

- A** - Spectra identified as "Aldol Condensation Product".
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported

Report Format: DU Report with "J" Qualifiers



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#### **Data Qualifiers**

due to obvious interference.

- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with "J" Qualifiers

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## REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

## LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



## Certificate/Approval Program Summary

Last revised December 19, 2012 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.  
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

### Connecticut Department of Public Health Certificate/Lab ID: PH-0574. **NELAP Accredited Solid Waste/Soil.**

*Drinking Water* (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223, Enumeration and P/A), E. Coli. – Colilert (SM9223, Enumeration and P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

*Wastewater/Non-Potable Water* (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), E. Coli – Colilert (SM9223 Enumeration), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E), Enterococcus - Enterolert.

*Solid Waste/Soil* (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP (Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics & Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).)

### Maine Department of Human Services Certificate/Lab ID: 2009024.

*Drinking Water* (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 2540C, 4500CI-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

*Wastewater/Non-Potable Water* (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500CI-D, 4500CI-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 9010B, 9040B, 9030B, 7470A, 7196A, 2340B, EPA 200.7, 6010B, 6010C, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8330, 8151A, 8260B, 8260C, 8270C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

*Solid Waste/Soil* (Inorganic Parameters: 9010B, 9012A, 9014, 9030B, 9040B, 9045C, 6010B, 6010C, 6020, 6020A, 7471A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260B, 8270C, 8270D, 8330, 8151A, 8081A, 8081B, 8082, 8082A, 3540C, 3546, 3580A, 3630C, 5030B, 5035.)

### Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.

*Drinking Water* (Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; Colilert QT SM9223B; MF-SM9222D.)

*Non-Potable Water (Inorganic Parameters:*, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.

*Organic Parameters:* (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B; Enterolert-QT: SM9222D-MF.)

**New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. *NELAP Accredited.***

*Drinking Water (Inorganic Parameters:* SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

*Non-Potable Water (Inorganic Parameters:* SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.)

*Solid & Chemical Materials (Inorganic Parameters:* SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.)

**New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. *NELAP Accredited.***

*Drinking Water (Inorganic Parameters:* SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

*Non-Potable Water (Inorganic Parameters:* SM5210B, EPA 410.4, SM5220D, 4500CI-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM2520B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by NJ Modified 8270, 8015B, NJ EPH.)

*Solid & Chemical Materials (Inorganic Parameters:* SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D, 9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035L, 5035H, NJ EPH.)

**New York Department of Health Certificate/Lab ID: 11148. *NELAP Accredited.***

*Drinking Water (Inorganic Parameters:* SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

*Non-Potable Water (Inorganic Parameters:* SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6010C, 6020, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, LACHAT 10-204-00-1-A, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015, 9010C, 9030B. Organic Parameters: EPA 624, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 625, 608, 8081A, 8081B, 8151A, 8330, 8082, 8082A, EPA 3510C, 5030B.)

*Solid & Hazardous Waste (Inorganic Parameters:* EPA 1010A, 1030, EPA 6010B, 6010C, 7196A, 7471A, 7471B, 9012B, 9014, 9065, 9050A, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8015B, 8015C, 8081A, 8081B, 8151A, 8330, 8082 8082A, 3540C,

3546, 3580A, 5030B, 5035A-H, 5035A-L.)

**North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. (Inorganic Parameters:** SM2310B, 2320B, 4500CI-E, 4500Cn-E, 9014, Lachat 10-204-00-1-X, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311,1312. **Organic Parameters:** 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.)

*Drinking Water Program Certificate/Lab ID:* 25700. (**Inorganic Parameters:** Chloride EPA 300.0. **Organic Parameters:** 524.2)

**Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. NELAP Accredited.**

*Drinking Water (Inorganic Parameters:* 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H+-B, 4500NO3-F, 5310C. **Organic Parameters:** EPA 524.2, 504.1)

*Non-Potable Water (Inorganic Parameters:* EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500CI-E, 4500F-B, 4500F-C, 4500H+-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. **Organic Parameters:** EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, NJ-EPH.)

*Solid & Hazardous Waste (Inorganic Parameters:* EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. **Organic Parameters:** 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, NJ-EPH.)

**Rhode Island Department of Health Certificate/Lab ID:** LAO00065. **NELAP Accredited via NJ-DEP.**

Refer to MA-DEP Certificate for Potable and Non-Potable Water.

Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

**Texas Commission on Environmental Quality Certificate/Lab ID:** T104704476. **NELAP Accredited.**

*Non-Potable Water (Inorganic Parameters:* EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 S<sup>2-</sup> D, 510C, 5210B, 5220D, 5310C, 5540C. **Organic Parameters:** EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

*Solid & Hazardous Waste (Inorganic Parameters:* EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

**Virginia Division of Consolidated Laboratory Services Certificate/Lab ID:** 460195. **NELAP Accredited.**

*Drinking Water (Inorganic Parameters:* EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.2, 2320B, 4500F-C, 4500NO3-F, 5310C. **Organic Parameters:** EPA 504.1, 524.2.)

*Non-Potable Water (Inorganic Parameters:* EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X, 7196A, 7470A, 9010B, 9040B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CI-E, 4500F-B, 4500F-C, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C. **Organic Parameters:** EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330, )

*Solid & Hazardous Waste (Inorganic Parameters:* EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9030B, 9010B, 9012A, 9014 9040B, 9045C, 9050A, 9065. **Organic Parameters:** EPA 5030B, 5035, 3540C, 3546, 355B0, 3580A, 3630C, 6020A, 8260B, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.)

**Department of Defense, L-A-B Certificate/Lab ID:** L2217.

*Drinking Water (Inorganic Parameters:* SM 4500H-B. **Organic Parameters:** EPA 524.2, 504.1.)

*Non-Potable Water (Inorganic Parameters:* EPA 200.7, 200.8, 6010B, 6010C, 6020, 6020A, 245.1, 245.2, 7470A, 9040B, 9010B, 180.1. 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 4500CL-D, 5220D, 5310C, 2130B, 2320B, 2540C, 3005A, 3015, 9010B, 9056, 7196A, 3500-Cr-D. **Organic Parameters:** EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330A, 8082, 8082A, 8081A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

8270D, 8270C-SIM, 8270D-SIM, 8330A/B-prep, 8082, 8082A, 8081A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

**The following analytes are not included in our current NELAP/TNI Scope of Accreditation:**

**EPA 8260B:** Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methyl naphthalenes, Total Dimethyl naphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO<sub>2</sub> in a soil matrix, NO<sub>3</sub> in a soil matrix. **EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.

# CHAIN OF CUSTODY

IMPACT ENVIRONMENTAL  
 170 Keyland Court, Bohemia, New York 11716  
 (Tel.) 631-269-8800 (Fax) 631-269-1599

Page 1 of 1



LAB NAME: ALPHA

L1302978

RECEIVED DATE: 2-20-13

## Client Information

Company Name: Impact Environmental  
 Address: 170 Keyland Court  
 City: Bohemia  
 Project Name: COMBASS RESIDENCE S  
 Street: 1471 WEST FARMS RD  
 City: BRAWX  
 State: NY  
 Zip:   
 Project #: 5197-01-03-3001  
 Project Contact: B. Hernandez  
 Phone #: 631-269-8800  
 Fax #: 631-269-1599  
 Sampler's Name: B. Hernandez  
 Sampler's Signature: *Bryan Hernandez*

## Sample Information

LAB USE ONLY	Sample ID	Matrix Code	Sample Type	Sample Type Code	Time of Day	Total # of bottles	Sample Containers				Methanol (EPA 5035)	Sodium Bisulfate (EPA 5035)	OTHER (List)						
							None	ICE	HCL	Number of Each Preserved Bottle									
	1" MW-1	L-G	G	21913	1245	9													
	2" MW-1 Filtered	L-G	G	21913		1													
	3" MW-1 UNFILTERED	L-G	G	21913		1													

Turnaround Time (Business Days):   
 (LAB USE ONLY)   
 TAT Approved By / Date:   
 Data Deliverable Information:   
 Results Only (Level-1)   
 Results plus Misc. QC (Level-2)   
 Results plus ALL QC (Level-3)   
 PA QC Package   
 NJ QC Package (Level 3M)   
 EDD Formats: Excel, pdf, EQUIS, GIS, GISKEY, SPDES, ASCII, TAGM, OENI

Sample custody must be documented below, with a signature, date, and time.

Relinquished by:	Date / Time:	Received By:	Date / Time:
<i>Bryan Hernandez</i>	1-22-13 14:54	<i>Bryan Hernandez</i>	2-21-13 18:20
<i>Steve Nunez</i>	3-21-13 2:35	<i>Steve Nunez</i>	2-21-13

COOLER INFORMATION   
 On Ice  Sample Receipt Discrepancy (attach information)   
 Updated March 2011



## ANALYTICAL REPORT

Lab Number:	L1302979
Client:	Impact Environmental 170 Keyland Ct Bohemia, NY 11716
ATTN:	Ben Hernandez-Salazar
Phone:	(631) 269-8800
Project Name:	COMPASS RESIDENCES
Project Number:	5197-01-03-3001
Report Date:	02/27/13

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

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Eight Walkup Drive, Westborough, MA 01581-1019  
508-898-9220 (Fax) 508-898-9193 800-624-9220 - [www.alphalab.com](http://www.alphalab.com)



**Project Name:** COMPASS RESIDENCES  
**Project Number:** 5197-01-03-3001

**Lab Number:** L1302979  
**Report Date:** 02/27/13

<b>Alpha Sample ID</b>	<b>Client ID</b>	<b>Sample Location</b>	<b>Collection Date/Time</b>
L1302979-01	SB-2 (0-2') GRAB	1471 WEST FARMS RD. BRONX, NY	02/19/13 10:00
L1302979-02	SB-2 (12-14')	1471 WEST FARMS RD. BRONX, NY	02/19/13 10:00
L1302979-03	SB-5 (0-2') GRAB	1471 WEST FARMS RD. BRONX, NY	02/19/13 09:00
L1302979-04	SB-5 (8-10')	1471 WEST FARMS RD. BRONX, NY	02/19/13 09:00
L1302979-05	SB-6 (0-2') GRAB	1471 WEST FARMS RD. BRONX, NY	02/19/13 10:00
L1302979-06	SB-6 (8-10')	1471 WEST FARMS RD. BRONX, NY	02/19/13 10:00

**Project Name:** COMPASS RESIDENCES  
**Project Number:** 5197-01-03-3001

**Lab Number:** L1302979  
**Report Date:** 02/27/13

### Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

#### HOLD POLICY

For samples submitted on hold, Alpha's policy is to hold samples free of charge for 30 days from the date the project is completed. After 30 days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

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**Project Name:** COMPASS RESIDENCES  
**Project Number:** 5197-01-03-3001

**Lab Number:** L1302979  
**Report Date:** 02/27/13

### Case Narrative (continued)

#### Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

#### Volatile Organics

Any reported concentrations that are below 200ug/kg may be biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

L1302979-02 has elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the sample.

#### Pesticides

The dual column RPD for L1302979-01 is above the acceptance criteria for 4,4'-DDD; however, obvious column interferences are present. Due to these interferences, the lower of the two results is reported and qualified with a "P".

The dual column RPDs for L1302979-04 are above the acceptance criteria for 4,4'-DDE and 4,4'-DDT; however, obvious column interferences are present. Due to these interferences, the lower of the two results is reported and qualified with a "P".

#### Metals

The WG591717-4 MS recovery, performed on L1302979-01, is above the acceptance criteria for Barium (126%). A post digestion spike was performed with an acceptable recovery of 88%.

The WG591717-4 MS recovery, performed on L1302979-01, is below the acceptance criteria for Copper (55%). A post digestion spike was performed with an unacceptable recovery of 74%. This has been attributed to sample matrix.

The WG591717-4 MS recoveries for Lead (0%), Manganese (126%), and Zinc (483%), performed on L1302979-01, do not apply because the sample concentration is greater than four times the spike amount added.

**Project Name:** COMPASS RESIDENCES  
**Project Number:** 5197-01-03-3001

**Lab Number:** L1302979  
**Report Date:** 02/27/13

**Case Narrative (continued)**

Chromium, Hexavalent

LCS SRM Lot#: ERA D077-921

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:  Elizabeth Simmons

Title: Technical Director/Representative

Date: 02/27/13

# ORGANICS

# VOLATILES

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1302979**Project Number:** 5197-01-03-3001**Report Date:** 02/27/13**SAMPLE RESULTS**

Lab ID: L1302979-01  
 Client ID: SB-2 (0-2') GRAB  
 Sample Location: 1471 WEST FARMS RD. BRONX, NY  
 Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 02/22/13 14:21  
 Analyst: PP  
 Percent Solids: 79%

Date Collected: 02/19/13 10:00  
 Date Received: 02/20/13  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	6.0	J	ug/kg	13	2.5	1
1,1-Dichloroethane	ND		ug/kg	1.9	0.37	1
Chloroform	ND		ug/kg	1.9	0.41	1
Carbon tetrachloride	ND		ug/kg	1.3	0.27	1
Tetrachloroethene	ND		ug/kg	1.3	0.39	1
Chlorobenzene	ND		ug/kg	1.3	0.24	1
1,2-Dichloroethane	ND		ug/kg	1.3	0.29	1
1,1,1-Trichloroethane	ND		ug/kg	1.3	0.34	1
Benzene	ND		ug/kg	1.3	0.38	1
Toluene	ND		ug/kg	1.9	0.30	1
Ethylbenzene	ND		ug/kg	1.3	0.28	1
Vinyl chloride	ND		ug/kg	2.5	0.95	1
1,1-Dichloroethene	ND		ug/kg	1.3	0.33	1
trans-1,2-Dichloroethene	ND		ug/kg	1.9	0.50	1
Trichloroethene	ND		ug/kg	1.3	0.28	1
1,2-Dichlorobenzene	ND		ug/kg	6.3	0.46	1
1,3-Dichlorobenzene	ND		ug/kg	6.3	0.50	1
1,4-Dichlorobenzene	ND		ug/kg	6.3	0.53	1
Methyl tert butyl ether	ND		ug/kg	2.5	0.62	1
p/m-Xylene	ND		ug/kg	2.5	0.54	1
o-Xylene	ND		ug/kg	2.5	0.53	1
cis-1,2-Dichloroethene	ND		ug/kg	1.3	0.38	1
Acetone	ND		ug/kg	13	4.1	1
2-Butanone	ND		ug/kg	13	4.9	1
n-Butylbenzene	ND		ug/kg	1.3	0.40	1
sec-Butylbenzene	ND		ug/kg	1.3	0.35	1
tert-Butylbenzene	ND		ug/kg	6.3	0.76	1
n-Propylbenzene	ND		ug/kg	1.3	0.36	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.3	0.76	1
1,2,4-Trimethylbenzene	ND		ug/kg	6.3	0.72	1
1,4-Dioxane	ND		ug/kg	130	22.	1

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1302979**Project Number:** 5197-01-03-3001**Report Date:** 02/27/13**SAMPLE RESULTS**

Lab ID: L1302979-01

Date Collected: 02/19/13 10:00

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

Date Received: 02/20/13

Sample Location: 1471 WEST FARMS RD. BRONX, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	98		70-130

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1302979**Project Number:** 5197-01-03-3001**Report Date:** 02/27/13**SAMPLE RESULTS**

Lab ID: L1302979-02 D  
 Client ID: SB-2 (12-14')  
 Sample Location: 1471 WEST FARMS RD. BRONX, NY  
 Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 02/25/13 18:12  
 Analyst: BN  
 Percent Solids: 88%

Date Collected: 02/19/13 10:00  
 Date Received: 02/20/13  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	2800	570	250
1,1-Dichloroethane	ND		ug/kg	430	84.	250
Chloroform	ND		ug/kg	430	92.	250
Carbon tetrachloride	ND		ug/kg	280	60.	250
Tetrachloroethene	ND		ug/kg	280	87.	250
Chlorobenzene	ND		ug/kg	280	53.	250
1,2-Dichloroethane	ND		ug/kg	280	65.	250
1,1,1-Trichloroethane	ND		ug/kg	280	77.	250
Benzene	ND		ug/kg	280	84.	250
Toluene	ND		ug/kg	430	69.	250
Ethylbenzene	120	J	ug/kg	280	63.	250
Vinyl chloride	ND		ug/kg	570	210	250
1,1-Dichloroethene	ND		ug/kg	280	74.	250
trans-1,2-Dichloroethene	ND		ug/kg	430	110	250
Trichloroethene	ND		ug/kg	280	64.	250
1,2-Dichlorobenzene	ND		ug/kg	1400	100	250
1,3-Dichlorobenzene	ND		ug/kg	1400	110	250
1,4-Dichlorobenzene	ND		ug/kg	1400	120	250
Methyl tert butyl ether	ND		ug/kg	570	140	250
p/m-Xylene	ND		ug/kg	570	120	250
o-Xylene	ND		ug/kg	570	120	250
cis-1,2-Dichloroethene	ND		ug/kg	280	86.	250
Acetone	ND		ug/kg	2800	920	250
2-Butanone	ND		ug/kg	2800	1100	250
n-Butylbenzene	ND		ug/kg	280	89.	250
sec-Butylbenzene	720		ug/kg	280	78.	250
tert-Butylbenzene	ND		ug/kg	1400	170	250
n-Propylbenzene	380		ug/kg	280	81.	250
1,3,5-Trimethylbenzene	230	J	ug/kg	1400	170	250
1,2,4-Trimethylbenzene	3500		ug/kg	1400	160	250
1,4-Dioxane	ND		ug/kg	28000	4900	250

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1302979**Project Number:** 5197-01-03-3001**Report Date:** 02/27/13**SAMPLE RESULTS**

Lab ID: L1302979-02 D  
 Client ID: SB-2 (12-14')  
 Sample Location: 1471 WEST FARMS RD. BRONX, NY

Date Collected: 02/19/13 10:00  
 Date Received: 02/20/13  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by GC/MS - Westborough Lab						
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	98		70-130

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1302979**Project Number:** 5197-01-03-3001**Report Date:** 02/27/13**SAMPLE RESULTS**

Lab ID: L1302979-03  
 Client ID: SB-5 (0-2') GRAB  
 Sample Location: 1471 WEST FARMS RD. BRONX, NY  
 Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 02/22/13 14:48  
 Analyst: PP  
 Percent Solids: 82%

Date Collected: 02/19/13 09:00  
 Date Received: 02/20/13  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	8.2	J	ug/kg	12	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.36	1
Chloroform	ND		ug/kg	1.8	0.40	1
Carbon tetrachloride	ND		ug/kg	1.2	0.26	1
Tetrachloroethene	ND		ug/kg	1.2	0.37	1
Chlorobenzene	ND		ug/kg	1.2	0.23	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.28	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.33	1
Benzene	ND		ug/kg	1.2	0.36	1
Toluene	ND		ug/kg	1.8	0.29	1
Ethylbenzene	ND		ug/kg	1.2	0.27	1
Vinyl chloride	ND		ug/kg	2.4	0.92	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.32	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.48	1
Trichloroethene	ND		ug/kg	1.2	0.27	1
1,2-Dichlorobenzene	ND		ug/kg	6.1	0.44	1
1,3-Dichlorobenzene	ND		ug/kg	6.1	0.49	1
1,4-Dichlorobenzene	ND		ug/kg	6.1	0.51	1
Methyl tert butyl ether	ND		ug/kg	2.4	0.59	1
p/m-Xylene	ND		ug/kg	2.4	0.52	1
o-Xylene	ND		ug/kg	2.4	0.51	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.37	1
Acetone	ND		ug/kg	12	3.9	1
2-Butanone	ND		ug/kg	12	4.7	1
n-Butylbenzene	ND		ug/kg	1.2	0.38	1
sec-Butylbenzene	ND		ug/kg	1.2	0.34	1
tert-Butylbenzene	ND		ug/kg	6.1	0.74	1
n-Propylbenzene	ND		ug/kg	1.2	0.35	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.1	0.73	1
1,2,4-Trimethylbenzene	ND		ug/kg	6.1	0.70	1
1,4-Dioxane	ND		ug/kg	120	21.	1

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1302979**Project Number:** 5197-01-03-3001**Report Date:** 02/27/13**SAMPLE RESULTS**

Lab ID: L1302979-03

Date Collected: 02/19/13 09:00

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

Date Received: 02/20/13

Sample Location: 1471 WEST FARMS RD. BRONX, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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## Volatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	99		70-130

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1302979**Project Number:** 5197-01-03-3001**Report Date:** 02/27/13**SAMPLE RESULTS**

Lab ID: L1302979-04  
 Client ID: SB-5 (8-10')  
 Sample Location: 1471 WEST FARMS RD. BRONX, NY  
 Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 02/22/13 15:16  
 Analyst: PP  
 Percent Solids: 92%

Date Collected: 02/19/13 09:00  
 Date Received: 02/20/13  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	4.2	J	ug/kg	11	2.2	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.32	1
Chloroform	ND		ug/kg	1.6	0.35	1
Carbon tetrachloride	ND		ug/kg	1.1	0.23	1
Tetrachloroethene	ND		ug/kg	1.1	0.33	1
Chlorobenzene	ND		ug/kg	1.1	0.20	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.25	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.29	1
Benzene	ND		ug/kg	1.1	0.32	1
Toluene	ND		ug/kg	1.6	0.26	1
Ethylbenzene	ND		ug/kg	1.1	0.24	1
Vinyl chloride	ND		ug/kg	2.2	0.82	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.28	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.42	1
Trichloroethene	ND		ug/kg	1.1	0.24	1
1,2-Dichlorobenzene	ND		ug/kg	5.4	0.40	1
1,3-Dichlorobenzene	ND		ug/kg	5.4	0.43	1
1,4-Dichlorobenzene	ND		ug/kg	5.4	0.46	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.53	1
p/m-Xylene	ND		ug/kg	2.2	0.47	1
o-Xylene	ND		ug/kg	2.2	0.45	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.33	1
Acetone	ND		ug/kg	11	3.5	1
2-Butanone	ND		ug/kg	11	4.2	1
n-Butylbenzene	ND		ug/kg	1.1	0.34	1
sec-Butylbenzene	ND		ug/kg	1.1	0.30	1
tert-Butylbenzene	ND		ug/kg	5.4	0.66	1
n-Propylbenzene	ND		ug/kg	1.1	0.31	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.4	0.65	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.4	0.62	1
1,4-Dioxane	ND		ug/kg	110	19.	1

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1302979**Project Number:** 5197-01-03-3001**Report Date:** 02/27/13**SAMPLE RESULTS**

Lab ID: L1302979-04

Date Collected: 02/19/13 09:00

Client ID: SB-5 (8-10')

Date Received: 02/20/13

Sample Location: 1471 WEST FARMS RD. BRONX, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	100		70-130

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1302979**Project Number:** 5197-01-03-3001**Report Date:** 02/27/13**SAMPLE RESULTS**

Lab ID: L1302979-05  
 Client ID: SB-6 (0-2') GRAB  
 Sample Location: 1471 WEST FARMS RD. BRONX, NY  
 Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 02/22/13 15:44  
 Analyst: PP  
 Percent Solids: 80%

Date Collected: 02/19/13 10:00  
 Date Received: 02/20/13  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	5.2	J	ug/kg	12	2.5	1
1,1-Dichloroethane	ND		ug/kg	1.9	0.37	1
Chloroform	ND		ug/kg	1.9	0.40	1
Carbon tetrachloride	ND		ug/kg	1.2	0.26	1
Tetrachloroethene	ND		ug/kg	1.2	0.38	1
Chlorobenzene	ND		ug/kg	1.2	0.23	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.28	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.34	1
Benzene	ND		ug/kg	1.2	0.37	1
Toluene	ND		ug/kg	1.9	0.30	1
Ethylbenzene	ND		ug/kg	1.2	0.28	1
Vinyl chloride	ND		ug/kg	2.5	0.94	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.32	1
trans-1,2-Dichloroethene	ND		ug/kg	1.9	0.49	1
Trichloroethene	ND		ug/kg	1.2	0.28	1
1,2-Dichlorobenzene	ND		ug/kg	6.2	0.46	1
1,3-Dichlorobenzene	ND		ug/kg	6.2	0.50	1
1,4-Dichlorobenzene	ND		ug/kg	6.2	0.52	1
Methyl tert butyl ether	ND		ug/kg	2.5	0.61	1
p/m-Xylene	ND		ug/kg	2.5	0.54	1
o-Xylene	ND		ug/kg	2.5	0.52	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.38	1
Acetone	ND		ug/kg	12	4.0	1
2-Butanone	ND		ug/kg	12	4.8	1
n-Butylbenzene	ND		ug/kg	1.2	0.39	1
sec-Butylbenzene	ND		ug/kg	1.2	0.34	1
tert-Butylbenzene	ND		ug/kg	6.2	0.75	1
n-Propylbenzene	ND		ug/kg	1.2	0.36	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.2	0.75	1
1,2,4-Trimethylbenzene	ND		ug/kg	6.2	0.72	1
1,4-Dioxane	ND		ug/kg	120	22.	1

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1302979**Project Number:** 5197-01-03-3001**Report Date:** 02/27/13**SAMPLE RESULTS**

Lab ID: L1302979-05

Date Collected: 02/19/13 10:00

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

Date Received: 02/20/13

Sample Location: 1471 WEST FARMS RD. BRONX, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	99		70-130

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1302979**Project Number:** 5197-01-03-3001**Report Date:** 02/27/13**SAMPLE RESULTS**

Lab ID: L1302979-06  
 Client ID: SB-6 (8-10')  
 Sample Location: 1471 WEST FARMS RD. BRONX, NY  
 Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 02/22/13 16:12  
 Analyst: PP  
 Percent Solids: 85%

Date Collected: 02/19/13 10:00  
 Date Received: 02/20/13  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	5.3	J	ug/kg	12	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.35	1
Chloroform	ND		ug/kg	1.8	0.38	1
Carbon tetrachloride	ND		ug/kg	1.2	0.25	1
Tetrachloroethene	ND		ug/kg	1.2	0.36	1
Chlorobenzene	ND		ug/kg	1.2	0.22	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.27	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.32	1
Benzene	ND		ug/kg	1.2	0.35	1
Toluene	ND		ug/kg	1.8	0.28	1
Ethylbenzene	ND		ug/kg	1.2	0.26	1
Vinyl chloride	ND		ug/kg	2.4	0.89	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.30	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.46	1
Trichloroethene	ND		ug/kg	1.2	0.26	1
1,2-Dichlorobenzene	ND		ug/kg	5.9	0.43	1
1,3-Dichlorobenzene	ND		ug/kg	5.9	0.47	1
1,4-Dichlorobenzene	ND		ug/kg	5.9	0.49	1
Methyl tert butyl ether	ND		ug/kg	2.4	0.57	1
p/m-Xylene	ND		ug/kg	2.4	0.50	1
o-Xylene	ND		ug/kg	2.4	0.49	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.35	1
Acetone	ND		ug/kg	12	3.8	1
2-Butanone	ND		ug/kg	12	4.6	1
n-Butylbenzene	ND		ug/kg	1.2	0.37	1
sec-Butylbenzene	ND		ug/kg	1.2	0.32	1
tert-Butylbenzene	ND		ug/kg	5.9	0.71	1
n-Propylbenzene	ND		ug/kg	1.2	0.33	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.9	0.71	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.9	0.67	1
1,4-Dioxane	ND		ug/kg	120	20.	1

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1302979**Project Number:** 5197-01-03-3001**Report Date:** 02/27/13**SAMPLE RESULTS**

Lab ID: L1302979-06

Date Collected: 02/19/13 10:00

Client ID: SB-6 (8-10')

Date Received: 02/20/13

Sample Location: 1471 WEST FARMS RD. BRONX, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	97		70-130

Project Name: COMPASS RESIDENCES

Lab Number: L1302979

Project Number: 5197-01-03-3001

Report Date: 02/27/13

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260C  
 Analytical Date: 02/22/13 10:28  
 Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,03-06 Batch: WG591581-3					
Methylene chloride	ND		ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.30
Chloroform	ND		ug/kg	1.5	0.32
Carbon tetrachloride	ND		ug/kg	1.0	0.21
Tetrachloroethene	ND		ug/kg	1.0	0.31
Chlorobenzene	ND		ug/kg	1.0	0.19
1,2-Dichloroethane	ND		ug/kg	1.0	0.23
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.27
Benzene	ND		ug/kg	1.0	0.30
Toluene	ND		ug/kg	1.5	0.24
Ethylbenzene	ND		ug/kg	1.0	0.22
Vinyl chloride	ND		ug/kg	2.0	0.75
1,1-Dichloroethene	ND		ug/kg	1.0	0.26
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.39
Trichloroethene	ND		ug/kg	1.0	0.22
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.36
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.40
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.42
Methyl tert butyl ether	ND		ug/kg	2.0	0.49
p/m-Xylene	ND		ug/kg	2.0	0.43
o-Xylene	ND		ug/kg	2.0	0.42
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.30
Acetone	ND		ug/kg	10	3.2
2-Butanone	ND		ug/kg	10	3.9
n-Butylbenzene	ND		ug/kg	1.0	0.31
sec-Butylbenzene	ND		ug/kg	1.0	0.28
tert-Butylbenzene	ND		ug/kg	5.0	0.60
n-Propylbenzene	ND		ug/kg	1.0	0.28
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.60
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
1,4-Dioxane	ND		ug/kg	100	17.

Project Name: COMPASS RESIDENCES

Lab Number: L1302979

Project Number: 5197-01-03-3001

Report Date: 02/27/13

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260C  
 Analytical Date: 02/22/13 10:28  
 Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,03-06 Batch: WG591581-3					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	98		70-130

Project Name: COMPASS RESIDENCES

Lab Number: L1302979

Project Number: 5197-01-03-3001

Report Date: 02/27/13

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260C  
Analytical Date: 02/25/13 11:19  
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG591913-3					
Methylene chloride	ND		ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.30
Chloroform	ND		ug/kg	1.5	0.32
Carbon tetrachloride	ND		ug/kg	1.0	0.21
Tetrachloroethene	ND		ug/kg	1.0	0.31
Chlorobenzene	ND		ug/kg	1.0	0.19
1,2-Dichloroethane	ND		ug/kg	1.0	0.23
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.27
Benzene	ND		ug/kg	1.0	0.30
Toluene	ND		ug/kg	1.5	0.24
Ethylbenzene	ND		ug/kg	1.0	0.22
Vinyl chloride	ND		ug/kg	2.0	0.75
1,1-Dichloroethene	ND		ug/kg	1.0	0.26
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.39
Trichloroethene	ND		ug/kg	1.0	0.22
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.36
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.40
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.42
Methyl tert butyl ether	ND		ug/kg	2.0	0.49
p/m-Xylene	ND		ug/kg	2.0	0.43
o-Xylene	ND		ug/kg	2.0	0.42
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.30
Acetone	ND		ug/kg	10	3.2
2-Butanone	ND		ug/kg	10	3.9
n-Butylbenzene	ND		ug/kg	1.0	0.31
sec-Butylbenzene	ND		ug/kg	1.0	0.28
tert-Butylbenzene	ND		ug/kg	5.0	0.60
n-Propylbenzene	ND		ug/kg	1.0	0.28
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.60
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
1,4-Dioxane	ND		ug/kg	100	17.

Project Name: COMPASS RESIDENCES

Lab Number: L1302979

Project Number: 5197-01-03-3001

Report Date: 02/27/13

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260C  
 Analytical Date: 02/25/13 11:19  
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
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Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG591913-3

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	99		70-130

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: COMPASS RESIDENCES

Lab Number: L1302979

Project Number: 5197-01-03-3001

Report Date: 02/27/13

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03-06 Batch: WG591581-1 WG591581-2								
Methylene chloride	100		92		70-130	8		30
1,1-Dichloroethane	100		91		70-130	9		30
Chloroform	100		89		70-130	12		30
Carbon tetrachloride	93		82		70-130	13		30
1,2-Dichloropropane	102		92		70-130	10		30
Dibromochloromethane	101		86		70-130	16		30
2-Chloroethylvinyl ether	102		91			11		30
1,1,2-Trichloroethane	105		93		70-130	12		30
Tetrachloroethene	94		87		70-130	8		30
Chlorobenzene	99		89		70-130	11		30
Trichlorofluoromethane	96		90		70-139	6		30
1,2-Dichloroethane	106		95		70-130	11		30
1,1,1-Trichloroethane	96		87		70-130	10		30
Bromodichloromethane	102		90		70-130	13		30
trans-1,3-Dichloropropene	102		90		70-130	13		30
cis-1,3-Dichloropropene	104		92		70-130	12		30
1,1-Dichloropropene	96		89		70-130	8		30
Bromoform	97		83		70-130	16		30
1,1,2,2-Tetrachloroethane	103		91		70-130	12		30
Benzene	99		89		70-130	11		30
Toluene	96		88		70-130	9		30

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: COMPASS RESIDENCES

Lab Number: L1302979

Project Number: 5197-01-03-3001

Report Date: 02/27/13

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03-06 Batch: WG591581-1 WG591581-2								
Ethylbenzene	98		88		70-130	11		30
Chloromethane	109		97		52-130	12		30
Bromomethane	119		104		57-147	13		30
Vinyl chloride	93		86		67-130	8		30
Chloroethane	110		98		50-151	12		30
1,1-Dichloroethene	94		88		65-135	7		30
trans-1,2-Dichloroethene	96		88		70-130	9		30
Trichloroethene	98		90		70-130	9		30
1,2-Dichlorobenzene	97		88		70-130	10		30
1,3-Dichlorobenzene	97		88		70-130	10		30
1,4-Dichlorobenzene	97		87		70-130	11		30
Methyl tert butyl ether	106		95		66-130	11		30
p/m-Xylene	99		89		70-130	11		30
o-Xylene	100		89		70-130	12		30
cis-1,2-Dichloroethene	99		90		70-130	10		30
Dibromomethane	106		96		70-130	10		30
Styrene	100		90		70-130	11		30
Dichlorodifluoromethane	95		89		30-146	7		30
Acetone	<b>142</b>	Q	<b>156</b>	Q	54-140	9		30
Carbon disulfide	95		87		59-130	9		30
2-Butanone	125		126		70-130	1		30

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: COMPASS RESIDENCES

Lab Number: L1302979

Project Number: 5197-01-03-3001

Report Date: 02/27/13

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03-06 Batch: WG591581-1 WG591581-2								
Vinyl acetate	107		92		70-130	15		30
4-Methyl-2-pentanone	115		101		70-130	13		30
1,2,3-Trichloropropane	107		94		68-130	13		30
2-Hexanone	109		103		70-130	6		30
Bromochloromethane	104		93		70-130	11		30
2,2-Dichloropropane	94		86		70-130	9		30
1,2-Dibromoethane	105		94		70-130	11		30
1,3-Dichloropropane	105		94		69-130	11		30
1,1,1,2-Tetrachloroethane	99		86		70-130	14		30
Bromobenzene	99		89		70-130	11		30
n-Butylbenzene	96		88		70-130	9		30
sec-Butylbenzene	96		87		70-130	10		30
tert-Butylbenzene	97		88		70-130	10		30
o-Chlorotoluene	98		88		70-130	11		30
p-Chlorotoluene	99		89		70-130	11		30
1,2-Dibromo-3-chloropropane	98		100		68-130	2		30
Hexachlorobutadiene	92		84		67-130	9		30
Isopropylbenzene	97		88		70-130	10		30
p-Isopropyltoluene	97		88		70-130	10		30
Naphthalene	102		91		70-130	11		30
Acrylonitrile	118		103		70-130	14		30

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: COMPASS RESIDENCES

Lab Number: L1302979

Project Number: 5197-01-03-3001

Report Date: 02/27/13

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03-06 Batch: WG591581-1 WG591581-2								
Isopropyl Ether	103		92		66-130	11		30
tert-Butyl Alcohol	103		83		70-130	22		30
n-Propylbenzene	97		88		70-130	10		30
1,2,3-Trichlorobenzene	98		89		70-130	10		30
1,2,4-Trichlorobenzene	98		88		70-130	11		30
1,3,5-Trimethylbenzene	98		89		70-130	10		30
1,2,4-Trimethylbenzene	99		89		70-130	11		30
Methyl Acetate	119		105		70-130	13		30
Ethyl Acetate	115		101		70-130	13		30
Acrolein	119		107		70-130	11		30
Cyclohexane	98		91		70-130	7		30
1,4-Dioxane	120		103		65-136	15		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	97		89		70-130	9		30
1,4-Diethylbenzene	96		88		70-130	9		30
4-Ethyltoluene	98		88		70-130	11		30
1,2,4,5-Tetramethylbenzene	97		87		70-130	11		30
Tetrahydrofuran	109		113		66-130	4		30
Ethyl ether	104		93		67-130	11		30
trans-1,4-Dichloro-2-butene	106		91		70-130	15		30
Methyl cyclohexane	97		91		70-130	6		30
Ethyl-Tert-Butyl-Ether	104		93		70-130	11		30

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: COMPASS RESIDENCES

Lab Number: L1302979

Project Number: 5197-01-03-3001

Report Date: 02/27/13

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03-06 Batch: WG591581-1 WG591581-2								
Tertiary-Amyl Methyl Ether	105		94		70-130	11		30

Surrogate	LCS		LCSD		Acceptance Criteria
	%Recovery	Qual	%Recovery	Qual	
1,2-Dichloroethane-d4	102		101		70-130
Toluene-d8	98		99		70-130
4-Bromofluorobenzene	101		101		70-130
Dibromofluoromethane	100		100		70-130

Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG591913-1 WG591913-2								
Methylene chloride	103		97		70-130	6		30
1,1-Dichloroethane	103		96		70-130	7		30
Chloroform	104		97		70-130	7		30
Carbon tetrachloride	108		99		70-130	9		30
1,2-Dichloropropane	103		97		70-130	6		30
Dibromochloromethane	101		96		70-130	5		30
2-Chloroethylvinyl ether	106		97			9		30
1,1,2-Trichloroethane	101		94		70-130	7		30
Tetrachloroethene	101		94		70-130	7		30

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: COMPASS RESIDENCES

Lab Number: L1302979

Project Number: 5197-01-03-3001

Report Date: 02/27/13

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG591913-1 WG591913-2								
Chlorobenzene	101		96		70-130	5		30
Trichlorofluoromethane	109		100		70-139	9		30
1,2-Dichloroethane	106		98		70-130	8		30
1,1,1-Trichloroethane	106		98		70-130	8		30
Bromodichloromethane	104		99		70-130	5		30
trans-1,3-Dichloropropene	102		97		70-130	5		30
cis-1,3-Dichloropropene	104		98		70-130	6		30
1,1-Dichloropropene	104		96		70-130	8		30
Bromoform	96		89		70-130	8		30
1,1,2,2-Tetrachloroethane	97		90		70-130	7		30
Benzene	102		96		70-130	6		30
Toluene	98		92		70-130	6		30
Ethylbenzene	101		95		70-130	6		30
Chloromethane	100		94		52-130	6		30
Bromomethane	117		111		57-147	5		30
Vinyl chloride	98		91		67-130	7		30
Chloroethane	94		89		50-151	5		30
1,1-Dichloroethene	104		96		65-135	8		30
trans-1,2-Dichloroethene	102		95		70-130	7		30
Trichloroethene	103		96		70-130	7		30
1,2-Dichlorobenzene	99		94		70-130	5		30

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: COMPASS RESIDENCES

Lab Number: L1302979

Project Number: 5197-01-03-3001

Report Date: 02/27/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG591913-1 WG591913-2								
1,3-Dichlorobenzene	100		94		70-130	6		30
1,4-Dichlorobenzene	99		94		70-130	5		30
Methyl tert butyl ether	102		95		66-130	7		30
p/m-Xylene	101		95		70-130	6		30
o-Xylene	100		95		70-130	5		30
cis-1,2-Dichloroethene	102		96		70-130	6		30
Dibromomethane	104		98		70-130	6		30
Styrene	100		94		70-130	6		30
Dichlorodifluoromethane	117		108		30-146	8		30
Acetone	154	Q	130		54-140	17		30
Carbon disulfide	105		98		59-130	7		30
2-Butanone	120		104		70-130	14		30
Vinyl acetate	105		96		70-130	9		30
4-Methyl-2-pentanone	103		93		70-130	10		30
1,2,3-Trichloropropane	99		91		68-130	8		30
2-Hexanone	104		91		70-130	13		30
Bromochloromethane	104		98		70-130	6		30
2,2-Dichloropropane	106		97		70-130	9		30
1,2-Dibromoethane	102		96		70-130	6		30
1,3-Dichloropropane	102		96		69-130	6		30
1,1,1,2-Tetrachloroethane	103		97		70-130	6		30

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: COMPASS RESIDENCES

Lab Number: L1302979

Project Number: 5197-01-03-3001

Report Date: 02/27/13

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG591913-1 WG591913-2								
Bromobenzene	100		94		70-130	6		30
n-Butylbenzene	100		94		70-130	6		30
sec-Butylbenzene	100		94		70-130	6		30
tert-Butylbenzene	101		94		70-130	7		30
o-Chlorotoluene	100		94		70-130	6		30
p-Chlorotoluene	101		96		70-130	5		30
1,2-Dibromo-3-chloropropane	102		92		68-130	10		30
Hexachlorobutadiene	98		90		67-130	9		30
Isopropylbenzene	101		95		70-130	6		30
p-Isopropyltoluene	100		94		70-130	6		30
Naphthalene	97		89		70-130	9		30
Acrylonitrile	102		95		70-130	7		30
Isopropyl Ether	103		97		66-130	6		30
tert-Butyl Alcohol	87		82		70-130	6		30
n-Propylbenzene	100		94		70-130	6		30
1,2,3-Trichlorobenzene	96		89		70-130	8		30
1,2,4-Trichlorobenzene	98		92		70-130	6		30
1,3,5-Trimethylbenzene	101		95		70-130	6		30
1,2,4-Trimethylbenzene	100		94		70-130	6		30
Methyl Acetate	110		97		70-130	13		30
Ethyl Acetate	107		96		70-130	11		30

### Lab Control Sample Analysis Batch Quality Control

**Project Name:** COMPASS RESIDENCES  
**Project Number:** 5197-01-03-3001

**Lab Number:** L1302979  
**Report Date:** 02/27/13

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG591913-1 WG591913-2								
Acrolein	99		92		70-130	7		30
Cyclohexane	114		106		70-130	7		30
1,4-Dioxane	99		88		65-136	12		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	119		109		70-130	9		30
1,4-Diethylbenzene	103		94		70-130	9		30
4-Ethyltoluene	104		96		70-130	8		30
1,2,4,5-Tetramethylbenzene	101		93		70-130	8		30
Tetrahydrofuran	108		98		66-130	10		30
Ethyl ether	98		91		67-130	7		30
trans-1,4-Dichloro-2-butene	101		93		70-130	8		30
Methyl cyclohexane	118		108		70-130	9		30
Ethyl-Tert-Butyl-Ether	102		96		70-130	6		30
Tertiary-Amyl Methyl Ether	102		96		70-130	6		30

Surrogate	LCS		LCSD		Acceptance Criteria
	%Recovery	Qual	%Recovery	Qual	
1,2-Dichloroethane-d4	101		99		70-130
Toluene-d8	99		99		70-130
4-Bromofluorobenzene	103		101		70-130
Dibromofluoromethane	101		99		70-130



# SEMIVOLATILES

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1302979**Project Number:** 5197-01-03-3001**Report Date:** 02/27/13**SAMPLE RESULTS**

Lab ID: L1302979-01  
 Client ID: SB-2 (0-2') GRAB  
 Sample Location: 1471 WEST FARMS RD. BRONX, NY  
 Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 02/23/13 17:53  
 Analyst: JB  
 Percent Solids: 79%

Date Collected: 02/19/13 10:00  
 Date Received: 02/20/13  
 Field Prep: Not Specified  
 Extraction Method: EPA 3546  
 Extraction Date: 02/21/13 10:41

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	ND		ug/kg	170	45.	1
Hexachlorobenzene	ND		ug/kg	120	32.	1
Fluoranthene	340		ug/kg	120	27.	1
Naphthalene	ND		ug/kg	210	66.	1
Benzo(a)anthracene	160		ug/kg	120	41.	1
Benzo(a)pyrene	180		ug/kg	170	50.	1
Benzo(b)fluoranthene	230		ug/kg	120	37.	1
Benzo(k)fluoranthene	88	J	ug/kg	120	32.	1
Chrysene	180		ug/kg	120	32.	1
Acenaphthylene	ND		ug/kg	170	54.	1
Anthracene	ND		ug/kg	120	29.	1
Benzo(ghi)perylene	130	J	ug/kg	170	52.	1
Fluorene	ND		ug/kg	210	38.	1
Phenanthrene	130		ug/kg	120	35.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	38.	1
Indeno(1,2,3-cd)pyrene	110	J	ug/kg	170	51.	1
Pyrene	300		ug/kg	120	34.	1
Dibenzofuran	ND		ug/kg	210	43.	1
Pentachlorophenol	ND		ug/kg	170	49.	1
Phenol	ND		ug/kg	210	65.	1
2-Methylphenol	ND		ug/kg	210	51.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	300	90.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	75		25-120
Phenol-d6	83		10-120
Nitrobenzene-d5	86		23-120
2-Fluorobiphenyl	85		30-120
2,4,6-Tribromophenol	77		0-136
4-Terphenyl-d14	89		18-120

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1302979**Project Number:** 5197-01-03-3001**Report Date:** 02/27/13**SAMPLE RESULTS**

Lab ID: L1302979-02  
 Client ID: SB-2 (12-14')  
 Sample Location: 1471 WEST FARMS RD. BRONX, NY  
 Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 02/23/13 18:19  
 Analyst: JB  
 Percent Solids: 88%

Date Collected: 02/19/13 10:00  
 Date Received: 02/20/13  
 Field Prep: Not Specified  
 Extraction Method: EPA 3546  
 Extraction Date: 02/21/13 10:41

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	ND		ug/kg	150	40.	1
Hexachlorobenzene	ND		ug/kg	110	29.	1
Fluoranthene	ND		ug/kg	110	24.	1
Naphthalene	ND		ug/kg	180	59.	1
Benzo(a)anthracene	ND		ug/kg	110	37.	1
Benzo(a)pyrene	ND		ug/kg	150	44.	1
Benzo(b)fluoranthene	ND		ug/kg	110	33.	1
Benzo(k)fluoranthene	ND		ug/kg	110	28.	1
Chrysene	ND		ug/kg	110	29.	1
Acenaphthylene	ND		ug/kg	150	48.	1
Anthracene	180		ug/kg	110	26.	1
Benzo(ghi)perylene	ND		ug/kg	150	47.	1
Fluorene	ND		ug/kg	180	34.	1
Phenanthrene	1500		ug/kg	110	31.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	34.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	45.	1
Pyrene	280		ug/kg	110	30.	1
Dibenzofuran	ND		ug/kg	180	38.	1
Pentachlorophenol	ND		ug/kg	150	44.	1
Phenol	ND		ug/kg	180	58.	1
2-Methylphenol	ND		ug/kg	180	46.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	80.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	83		25-120
Phenol-d6	91		10-120
Nitrobenzene-d5	116		23-120
2-Fluorobiphenyl	82		30-120
2,4,6-Tribromophenol	103		0-136
4-Terphenyl-d14	117		18-120

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1302979**Project Number:** 5197-01-03-3001**Report Date:** 02/27/13**SAMPLE RESULTS**

Lab ID: L1302979-03  
 Client ID: SB-5 (0-2') GRAB  
 Sample Location: 1471 WEST FARMS RD. BRONX, NY  
 Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 02/23/13 18:44  
 Analyst: JB  
 Percent Solids: 82%

Date Collected: 02/19/13 09:00  
 Date Received: 02/20/13  
 Field Prep: Not Specified  
 Extraction Method: EPA 3546  
 Extraction Date: 02/21/13 10:41

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	ND		ug/kg	160	43.	1
Hexachlorobenzene	ND		ug/kg	120	31.	1
Fluoranthene	ND		ug/kg	120	26.	1
Naphthalene	ND		ug/kg	200	64.	1
Benzo(a)anthracene	ND		ug/kg	120	40.	1
Benzo(a)pyrene	ND		ug/kg	160	48.	1
Benzo(b)fluoranthene	ND		ug/kg	120	35.	1
Benzo(k)fluoranthene	ND		ug/kg	120	31.	1
Chrysene	ND		ug/kg	120	31.	1
Acenaphthylene	ND		ug/kg	160	52.	1
Anthracene	ND		ug/kg	120	28.	1
Benzo(ghi)perylene	ND		ug/kg	160	50.	1
Fluorene	ND		ug/kg	200	37.	1
Phenanthrene	ND		ug/kg	120	33.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	37.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	160	49.	1
Pyrene	ND		ug/kg	120	33.	1
Dibenzofuran	ND		ug/kg	200	41.	1
Pentachlorophenol	ND		ug/kg	160	47.	1
Phenol	ND		ug/kg	200	63.	1
2-Methylphenol	ND		ug/kg	200	49.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	290	86.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	93		25-120
Phenol-d6	97		10-120
Nitrobenzene-d5	95		23-120
2-Fluorobiphenyl	96		30-120
2,4,6-Tribromophenol	85		0-136
4-Terphenyl-d14	100		18-120

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1302979**Project Number:** 5197-01-03-3001**Report Date:** 02/27/13**SAMPLE RESULTS**

Lab ID: L1302979-04  
 Client ID: SB-5 (8-10')  
 Sample Location: 1471 WEST FARMS RD. BRONX, NY  
 Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 02/23/13 19:09  
 Analyst: JB  
 Percent Solids: 92%

Date Collected: 02/19/13 09:00  
 Date Received: 02/20/13  
 Field Prep: Not Specified  
 Extraction Method: EPA 3546  
 Extraction Date: 02/21/13 10:41

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	ND		ug/kg	140	38.	1
Hexachlorobenzene	ND		ug/kg	110	28.	1
Fluoranthene	ND		ug/kg	110	23.	1
Naphthalene	ND		ug/kg	180	56.	1
Benzo(a)anthracene	ND		ug/kg	110	35.	1
Benzo(a)pyrene	ND		ug/kg	140	42.	1
Benzo(b)fluoranthene	ND		ug/kg	110	31.	1
Benzo(k)fluoranthene	ND		ug/kg	110	27.	1
Chrysene	ND		ug/kg	110	28.	1
Acenaphthylene	ND		ug/kg	140	46.	1
Anthracene	ND		ug/kg	110	24.	1
Benzo(ghi)perylene	ND		ug/kg	140	45.	1
Fluorene	ND		ug/kg	180	32.	1
Phenanthrene	ND		ug/kg	110	30.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	33.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	43.	1
Pyrene	ND		ug/kg	110	29.	1
Dibenzofuran	ND		ug/kg	180	36.	1
Pentachlorophenol	ND		ug/kg	140	42.	1
Phenol	ND		ug/kg	180	56.	1
2-Methylphenol	ND		ug/kg	180	44.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	76.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	100		25-120
Phenol-d6	105		10-120
Nitrobenzene-d5	100		23-120
2-Fluorobiphenyl	107		30-120
2,4,6-Tribromophenol	92		0-136
4-Terphenyl-d14	112		18-120

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1302979**Project Number:** 5197-01-03-3001**Report Date:** 02/27/13**SAMPLE RESULTS**

Lab ID: L1302979-05  
 Client ID: SB-6 (0-2') GRAB  
 Sample Location: 1471 WEST FARMS RD. BRONX, NY  
 Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 02/23/13 19:34  
 Analyst: JB  
 Percent Solids: 80%

Date Collected: 02/19/13 10:00  
 Date Received: 02/20/13  
 Field Prep: Not Specified  
 Extraction Method: EPA 3546  
 Extraction Date: 02/21/13 10:41

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	ND		ug/kg	160	44.	1
Hexachlorobenzene	ND		ug/kg	120	32.	1
Fluoranthene	ND		ug/kg	120	27.	1
Naphthalene	ND		ug/kg	200	65.	1
Benzo(a)anthracene	ND		ug/kg	120	40.	1
Benzo(a)pyrene	ND		ug/kg	160	49.	1
Benzo(b)fluoranthene	ND		ug/kg	120	36.	1
Benzo(k)fluoranthene	ND		ug/kg	120	32.	1
Chrysene	ND		ug/kg	120	32.	1
Acenaphthylene	ND		ug/kg	160	53.	1
Anthracene	ND		ug/kg	120	28.	1
Benzo(ghi)perylene	ND		ug/kg	160	52.	1
Fluorene	ND		ug/kg	200	38.	1
Phenanthrene	ND		ug/kg	120	34.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	38.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	160	50.	1
Pyrene	ND		ug/kg	120	34.	1
Dibenzofuran	ND		ug/kg	200	42.	1
Pentachlorophenol	ND		ug/kg	160	48.	1
Phenol	ND		ug/kg	200	64.	1
2-Methylphenol	ND		ug/kg	200	50.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	290	88.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	83		25-120
Phenol-d6	90		10-120
Nitrobenzene-d5	86		23-120
2-Fluorobiphenyl	87		30-120
2,4,6-Tribromophenol	87		0-136
4-Terphenyl-d14	94		18-120

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1302979**Project Number:** 5197-01-03-3001**Report Date:** 02/27/13**SAMPLE RESULTS**

**Lab ID:** L1302979-06  
**Client ID:** SB-6 (8-10')  
**Sample Location:** 1471 WEST FARMS RD. BRONX, NY  
**Matrix:** Soil  
**Analytical Method:** 1,8270D  
**Analytical Date:** 02/23/13 20:00  
**Analyst:** JB  
**Percent Solids:** 85%

**Date Collected:** 02/19/13 10:00  
**Date Received:** 02/20/13  
**Field Prep:** Not Specified  
**Extraction Method:** EPA 3546  
**Extraction Date:** 02/21/13 10:41

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	ND		ug/kg	150	41.	1
Hexachlorobenzene	ND		ug/kg	110	30.	1
Fluoranthene	ND		ug/kg	110	25.	1
Naphthalene	ND		ug/kg	190	61.	1
Benzo(a)anthracene	ND		ug/kg	110	38.	1
Benzo(a)pyrene	ND		ug/kg	150	46.	1
Benzo(b)fluoranthene	ND		ug/kg	110	34.	1
Benzo(k)fluoranthene	ND		ug/kg	110	29.	1
Chrysene	ND		ug/kg	110	30.	1
Acenaphthylene	ND		ug/kg	150	50.	1
Anthracene	ND		ug/kg	110	26.	1
Benzo(ghi)perylene	ND		ug/kg	150	48.	1
Fluorene	ND		ug/kg	190	35.	1
Phenanthrene	ND		ug/kg	110	32.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	35.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	47.	1
Pyrene	ND		ug/kg	110	32.	1
Dibenzofuran	ND		ug/kg	190	39.	1
Pentachlorophenol	ND		ug/kg	150	45.	1
Phenol	ND		ug/kg	190	60.	1
2-Methylphenol	ND		ug/kg	190	47.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	83.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	73		25-120
Phenol-d6	77		10-120
Nitrobenzene-d5	76		23-120
2-Fluorobiphenyl	74		30-120
2,4,6-Tribromophenol	65		0-136
4-Terphenyl-d14	85		18-120

Project Name: COMPASS RESIDENCES

Lab Number: L1302979

Project Number: 5197-01-03-3001

Report Date: 02/27/13

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8270D  
 Analytical Date: 02/26/13 10:24  
 Analyst: JB

Extraction Method: EPA 3546  
 Extraction Date: 02/21/13 10:41

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG591275-1					
Acenaphthene	ND		ug/kg	130	36.
Hexachlorobenzene	ND		ug/kg	99	26.
Fluoranthene	ND		ug/kg	99	22.
Naphthalene	ND		ug/kg	160	52.
Benzo(a)anthracene	ND		ug/kg	99	32.
Benzo(a)pyrene	ND		ug/kg	130	39.
Benzo(b)fluoranthene	ND		ug/kg	99	29.
Benzo(k)fluoranthene	ND		ug/kg	99	25.
Chrysene	ND		ug/kg	99	26.
Acenaphthylene	ND		ug/kg	130	43.
Anthracene	ND		ug/kg	99	23.
Benzo(ghi)perylene	ND		ug/kg	130	42.
Fluorene	ND		ug/kg	160	30.
Phenanthrene	ND		ug/kg	99	27.
Dibenzo(a,h)anthracene	ND		ug/kg	99	30.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	40.
Pyrene	ND		ug/kg	99	27.
Dibenzofuran	ND		ug/kg	160	34.
Pentachlorophenol	ND		ug/kg	130	39.
Phenol	ND		ug/kg	160	52.
2-Methylphenol	ND		ug/kg	160	40.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	71.

Project Name: COMPASS RESIDENCES

Lab Number: L1302979

Project Number: 5197-01-03-3001

Report Date: 02/27/13

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8270D  
 Analytical Date: 02/26/13 10:24  
 Analyst: JB

Extraction Method: EPA 3546  
 Extraction Date: 02/21/13 10:41

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG591275-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	103		25-120
Phenol-d6	106		10-120
Nitrobenzene-d5	101		23-120
2-Fluorobiphenyl	102		30-120
2,4,6-Tribromophenol	116		0-136
4-Terphenyl-d14	102		18-120

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: COMPASS RESIDENCES

Lab Number: L1302979

Project Number: 5197-01-03-3001

Report Date: 02/27/13

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG591275-2 WG591275-3								
Acenaphthene	80		83		31-137	4		50
1,2,4-Trichlorobenzene	73		71		38-107	3		50
Hexachlorobenzene	92		102		40-140	10		50
Bis(2-chloroethyl)ether	70		72		40-140	3		50
2-Chloronaphthalene	85		85		40-140	0		50
1,2-Dichlorobenzene	72		72		40-140	0		50
1,3-Dichlorobenzene	69		70		40-140	1		50
1,4-Dichlorobenzene	69		69		28-104	0		50
3,3'-Dichlorobenzidine	61		50		40-140	20		50
2,4-Dinitrotoluene	107	Q	117	Q	28-89	9		50
2,6-Dinitrotoluene	106		112		40-140	6		50
Fluoranthene	100		107		40-140	7		50
4-Chlorophenyl phenyl ether	88		94		40-140	7		50
4-Bromophenyl phenyl ether	93		103		40-140	10		50
Bis(2-chloroisopropyl)ether	71		71		40-140	0		50
Bis(2-chloroethoxy)methane	80		81		40-117	1		50
Hexachlorobutadiene	74		73		40-140	1		50
Hexachlorocyclopentadiene	75		74		40-140	1		50
Hexachloroethane	71		68		40-140	4		50
Isophorone	84		87		40-140	4		50
Naphthalene	76		74		40-140	3		50

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: COMPASS RESIDENCES

Lab Number: L1302979

Project Number: 5197-01-03-3001

Report Date: 02/27/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG591275-2 WG591275-3								
Nitrobenzene	80		78		40-140	3		50
NitrosoDiPhenylAmine(NDPA)/DPA	95		103			8		50
n-Nitrosodi-n-propylamine	85		85		32-121	0		50
Bis(2-Ethylhexyl)phthalate	87		91		40-140	4		50
Butyl benzyl phthalate	90		96		40-140	6		50
Di-n-butylphthalate	106		114		40-140	7		50
Di-n-octylphthalate	83		87		40-140	5		50
Diethyl phthalate	98		106		40-140	8		50
Dimethyl phthalate	91		98		40-140	7		50
Benzo(a)anthracene	98		103		40-140	5		50
Benzo(a)pyrene	105		103		40-140	2		50
Benzo(b)fluoranthene	96		99		40-140	3		50
Benzo(k)fluoranthene	95		104		40-140	9		50
Chrysene	89		95		40-140	7		50
Acenaphthylene	94		97		40-140	3		50
Anthracene	96		102		40-140	6		50
Benzo(ghi)perylene	94		100		40-140	6		50
Fluorene	90		97		40-140	7		50
Phenanthrene	86		92		40-140	7		50
Dibenzo(a,h)anthracene	102		108		40-140	6		50
Indeno(1,2,3-cd)Pyrene	99		106		40-140	7		50

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: COMPASS RESIDENCES

Lab Number: L1302979

Project Number: 5197-01-03-3001

Report Date: 02/27/13

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG591275-2 WG591275-3								
Pyrene	97		105		35-142	8		50
Biphenyl	71		72			1		50
4-Chloroaniline	30	Q	26	Q	40-140	14		50
2-Nitroaniline	93		99		47-134	6		50
3-Nitroaniline	50		48		26-129	4		50
4-Nitroaniline	101		112		41-125	10		50
Dibenzofuran	82		87		40-140	6		50
2-Methylnaphthalene	82		81		40-140	1		50
1,2,4,5-Tetrachlorobenzene	67		70		40-117	4		50
Acetophenone	81		82		14-144	1		50
2,4,6-Trichlorophenol	102		106		30-130	4		50
P-Chloro-M-Cresol	98		103		26-103	5		50
2-Chlorophenol	82		84		25-102	2		50
2,4-Dichlorophenol	94		94		30-130	0		50
2,4-Dimethylphenol	93		95		30-130	2		50
2-Nitrophenol	81		82		30-130	1		50
4-Nitrophenol	90		98		11-114	9		50
2,4-Dinitrophenol	80		86		4-130	7		50
4,6-Dinitro-o-cresol	95		104		10-130	9		50
Pentachlorophenol	85		91		17-109	7		50
Phenol	81		82		26-90	1		50

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: COMPASS RESIDENCES

Lab Number: L1302979

Project Number: 5197-01-03-3001

Report Date: 02/27/13

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG591275-2 WG591275-3								
2-Methylphenol	86		87		30-130.	1		50
3-Methylphenol/4-Methylphenol	90		93		30-130	3		50
2,4,5-Trichlorophenol	102		108		30-130	6		50
Benzoic Acid	35		34			3		50
Benzyl Alcohol	79		80		40-140	1		50
Carbazole	95		101		54-128	6		50

Surrogate	LCS		LCSD		Acceptance Criteria
	%Recovery	Qual	%Recovery	Qual	
2-Fluorophenol	85		82		25-120
Phenol-d6	93		91		10-120
Nitrobenzene-d5	91		89		23-120
2-Fluorobiphenyl	93		91		30-120
2,4,6-Tribromophenol	95		95		0-136
4-Terphenyl-d14	109		112		18-120

# PCBS

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1302979**Project Number:** 5197-01-03-3001**Report Date:** 02/27/13**SAMPLE RESULTS**

Lab ID: L1302979-01  
 Client ID: SB-2 (0-2') GRAB  
 Sample Location: 1471 WEST FARMS RD. BRONX, NY  
 Matrix: Soil  
 Analytical Method: 1,8082A  
 Analytical Date: 02/25/13 12:24  
 Analyst: JW  
 Percent Solids: 79%

Date Collected: 02/19/13 10:00  
 Date Received: 02/20/13  
 Field Prep: Not Specified  
 Extraction Method: EPA 3546  
 Extraction Date: 02/21/13 11:52  
 Cleanup Method1: EPA 3665A  
 Cleanup Date1: 02/22/13  
 Cleanup Method2: EPA 3660B  
 Cleanup Date2: 02/22/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1016	ND		ug/kg	39.8	7.86	1
Aroclor 1221	ND		ug/kg	39.8	12.0	1
Aroclor 1232	ND		ug/kg	39.8	8.45	1
Aroclor 1242	ND		ug/kg	39.8	7.55	1
Aroclor 1248	ND		ug/kg	39.8	4.81	1
Aroclor 1254	ND		ug/kg	39.8	6.27	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	73		30-150
Decachlorobiphenyl	52		30-150
2,4,5,6-Tetrachloro-m-xylene	66		30-150
Decachlorobiphenyl	67		30-150

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1302979**Project Number:** 5197-01-03-3001**Report Date:** 02/27/13**SAMPLE RESULTS**

**Lab ID:** L1302979-01  
**Client ID:** SB-2 (0-2') GRAB  
**Sample Location:** 1471 WEST FARMS RD. BRONX, NY  
**Matrix:** Soil  
**Analytical Method:** 1,8082A  
**Analytical Date:** 02/25/13 12:24  
**Analyst:** JW  
**Percent Solids:** 79%

**Date Collected:** 02/19/13 10:00  
**Date Received:** 02/20/13  
**Field Prep:** Not Specified  
**Extraction Method:** EPA 3546  
**Extraction Date:** 02/21/13 11:52  
**Cleanup Method1:** EPA 3665A  
**Cleanup Date1:** 02/22/13  
**Cleanup Method2:** EPA 3660B  
**Cleanup Date2:** 02/22/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1260	8.50	J	ug/kg	39.8	6.90	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	73		30-150
Decachlorobiphenyl	52		30-150
2,4,5,6-Tetrachloro-m-xylene	66		30-150
Decachlorobiphenyl	67		30-150

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1302979**Project Number:** 5197-01-03-3001**Report Date:** 02/27/13**SAMPLE RESULTS**

Lab ID: L1302979-02  
 Client ID: SB-2 (12-14')  
 Sample Location: 1471 WEST FARMS RD. BRONX, NY  
 Matrix: Soil  
 Analytical Method: 1,8082A  
 Analytical Date: 02/25/13 12:37  
 Analyst: JW  
 Percent Solids: 88%

Date Collected: 02/19/13 10:00  
 Date Received: 02/20/13  
 Field Prep: Not Specified  
 Extraction Method: EPA 3546  
 Extraction Date: 02/21/13 11:52  
 Cleanup Method1: EPA 3665A  
 Cleanup Date1: 02/22/13  
 Cleanup Method2: EPA 3660B  
 Cleanup Date2: 02/22/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1016	ND		ug/kg	37.0	7.30	1
Aroclor 1221	ND		ug/kg	37.0	11.2	1
Aroclor 1232	ND		ug/kg	37.0	7.86	1
Aroclor 1242	ND		ug/kg	37.0	7.02	1
Aroclor 1248	ND		ug/kg	37.0	4.48	1
Aroclor 1254	ND		ug/kg	37.0	5.83	1
Aroclor 1260	ND		ug/kg	37.0	6.42	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	100		30-150
Decachlorobiphenyl	110		30-150
2,4,5,6-Tetrachloro-m-xylene	88		30-150
Decachlorobiphenyl	125		30-150

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1302979**Project Number:** 5197-01-03-3001**Report Date:** 02/27/13**SAMPLE RESULTS**

Lab ID: L1302979-03  
 Client ID: SB-5 (0-2') GRAB  
 Sample Location: 1471 WEST FARMS RD. BRONX, NY  
 Matrix: Soil  
 Analytical Method: 1,8082A  
 Analytical Date: 02/25/13 12:50  
 Analyst: JW  
 Percent Solids: 82%

Date Collected: 02/19/13 09:00  
 Date Received: 02/20/13  
 Field Prep: Not Specified  
 Extraction Method: EPA 3546  
 Extraction Date: 02/21/13 11:52  
 Cleanup Method1: EPA 3665A  
 Cleanup Date1: 02/22/13  
 Cleanup Method2: EPA 3660B  
 Cleanup Date2: 02/22/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1016	ND		ug/kg	38.5	7.60	1
Aroclor 1221	ND		ug/kg	38.5	11.6	1
Aroclor 1232	ND		ug/kg	38.5	8.18	1
Aroclor 1242	ND		ug/kg	38.5	7.30	1
Aroclor 1248	ND		ug/kg	38.5	4.66	1
Aroclor 1254	ND		ug/kg	38.5	6.07	1
Aroclor 1260	ND		ug/kg	38.5	6.68	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	78		30-150
Decachlorobiphenyl	60		30-150
2,4,5,6-Tetrachloro-m-xylene	70		30-150
Decachlorobiphenyl	74		30-150

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1302979**Project Number:** 5197-01-03-3001**Report Date:** 02/27/13**SAMPLE RESULTS**

**Lab ID:** L1302979-04  
**Client ID:** SB-5 (8-10')  
**Sample Location:** 1471 WEST FARMS RD. BRONX, NY  
**Matrix:** Soil  
**Analytical Method:** 1,8082A  
**Analytical Date:** 02/25/13 13:03  
**Analyst:** JW  
**Percent Solids:** 92%

**Date Collected:** 02/19/13 09:00  
**Date Received:** 02/20/13  
**Field Prep:** Not Specified  
**Extraction Method:** EPA 3546  
**Extraction Date:** 02/21/13 11:52  
**Cleanup Method1:** EPA 3665A  
**Cleanup Date1:** 02/22/13  
**Cleanup Method2:** EPA 3660B  
**Cleanup Date2:** 02/22/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1016	ND		ug/kg	34.1	6.74	1
Aroclor 1221	ND		ug/kg	34.1	10.3	1
Aroclor 1232	ND		ug/kg	34.1	7.25	1
Aroclor 1242	ND		ug/kg	34.1	6.48	1
Aroclor 1248	ND		ug/kg	34.1	4.13	1
Aroclor 1254	ND		ug/kg	34.1	5.38	1
Aroclor 1260	ND		ug/kg	34.1	5.92	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	110		30-150
Decachlorobiphenyl	93		30-150
2,4,5,6-Tetrachloro-m-xylene	99		30-150
Decachlorobiphenyl	113		30-150

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1302979**Project Number:** 5197-01-03-3001**Report Date:** 02/27/13**SAMPLE RESULTS**

**Lab ID:** L1302979-05  
**Client ID:** SB-6 (0-2') GRAB  
**Sample Location:** 1471 WEST FARMS RD. BRONX, NY  
**Matrix:** Soil  
**Analytical Method:** 1,8082A  
**Analytical Date:** 02/25/13 13:16  
**Analyst:** JW  
**Percent Solids:** 80%

**Date Collected:** 02/19/13 10:00  
**Date Received:** 02/20/13  
**Field Prep:** Not Specified  
**Extraction Method:** EPA 3546  
**Extraction Date:** 02/21/13 11:52  
**Cleanup Method1:** EPA 3665A  
**Cleanup Date1:** 02/22/13  
**Cleanup Method2:** EPA 3660B  
**Cleanup Date2:** 02/22/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1016	ND		ug/kg	39.4	7.77	1
Aroclor 1221	ND		ug/kg	39.4	11.9	1
Aroclor 1232	ND		ug/kg	39.4	8.36	1
Aroclor 1242	ND		ug/kg	39.4	7.47	1
Aroclor 1248	ND		ug/kg	39.4	4.76	1
Aroclor 1254	ND		ug/kg	39.4	6.20	1
Aroclor 1260	ND		ug/kg	39.4	6.83	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	64		30-150
Decachlorobiphenyl	45		30-150
2,4,5,6-Tetrachloro-m-xylene	57		30-150
Decachlorobiphenyl	55		30-150

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1302979**Project Number:** 5197-01-03-3001**Report Date:** 02/27/13**SAMPLE RESULTS**

Lab ID: L1302979-06  
 Client ID: SB-6 (8-10')  
 Sample Location: 1471 WEST FARMS RD. BRONX, NY  
 Matrix: Soil  
 Analytical Method: 1,8082A  
 Analytical Date: 02/25/13 13:30  
 Analyst: JW  
 Percent Solids: 85%

Date Collected: 02/19/13 10:00  
 Date Received: 02/20/13  
 Field Prep: Not Specified  
 Extraction Method: EPA 3546  
 Extraction Date: 02/21/13 12:27  
 Cleanup Method1: EPA 3665A  
 Cleanup Date1: 02/22/13  
 Cleanup Method2: EPA 3660B  
 Cleanup Date2: 02/22/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1016	ND		ug/kg	38.5	7.61	1
Aroclor 1221	ND		ug/kg	38.5	11.6	1
Aroclor 1232	ND		ug/kg	38.5	8.19	1
Aroclor 1242	ND		ug/kg	38.5	7.32	1
Aroclor 1248	ND		ug/kg	38.5	4.66	1
Aroclor 1254	ND		ug/kg	38.5	6.08	1
Aroclor 1260	ND		ug/kg	38.5	6.69	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	109		30-150
Decachlorobiphenyl	76		30-150
2,4,5,6-Tetrachloro-m-xylene	98		30-150
Decachlorobiphenyl	90		30-150

Project Name: COMPASS RESIDENCES

Lab Number: L1302979

Project Number: 5197-01-03-3001

Report Date: 02/27/13

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8082A  
 Analytical Date: 02/25/13 18:27  
 Analyst: JW

Extraction Method: EPA 3546  
 Extraction Date: 02/21/13 11:52  
 Cleanup Method1: EPA 3665A  
 Cleanup Date1: 02/22/13  
 Cleanup Method2: EPA 3660B  
 Cleanup Date2: 02/22/13

Parameter	Result	Qualifier	Units	RL	MDL
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-06 Batch: WG591296-1					
Aroclor 1016	ND		ug/kg	32.7	6.47
Aroclor 1221	ND		ug/kg	32.7	9.88
Aroclor 1232	ND		ug/kg	32.7	6.96
Aroclor 1242	ND		ug/kg	32.7	6.21
Aroclor 1248	ND		ug/kg	32.7	3.96
Aroclor 1254	ND		ug/kg	32.7	5.16
Aroclor 1260	ND		ug/kg	32.7	5.68

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	84		30-150
Decachlorobiphenyl	80		30-150
2,4,5,6-Tetrachloro-m-xylene	86		30-150
Decachlorobiphenyl	92		30-150

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: COMPASS RESIDENCES

Lab Number: L1302979

Project Number: 5197-01-03-3001

Report Date: 02/27/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-06 Batch: WG591296-2 WG591296-3								
Aroclor 1016	68		80		40-140	16		50
Aroclor 1260	56		68		40-140	19		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	70		81		30-150
Decachlorobiphenyl	61		72		30-150
2,4,5,6-Tetrachloro-m-xylene	73		85		30-150
Decachlorobiphenyl	68		80		30-150

# PESTICIDES

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1302979**Project Number:** 5197-01-03-3001**Report Date:** 02/27/13**SAMPLE RESULTS**

**Lab ID:** L1302979-01  
**Client ID:** SB-2 (0-2') GRAB  
**Sample Location:** 1471 WEST FARMS RD. BRONX, NY  
**Matrix:** Soil  
**Analytical Method:** 1,8081B  
**Analytical Date:** 02/26/13 20:00  
**Analyst:** BW  
**Percent Solids:** 79%

**Date Collected:** 02/19/13 10:00  
**Date Received:** 02/20/13  
**Field Prep:** Not Specified  
**Extraction Method:** EPA 3546  
**Extraction Date:** 02/21/13 09:41  
**Cleanup Method1:** EPA 3620B  
**Cleanup Date1:** 02/22/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab						
4,4'-DDE	1.01	J	ug/kg	1.93	0.447	1
4,4'-DDT	5.56		ug/kg	3.62	1.55	1
Endosulfan II	49.9		ug/kg	1.93	0.646	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	60		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		30-150	B
Decachlorobiphenyl	91		30-150	B

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1302979**Project Number:** 5197-01-03-3001**Report Date:** 02/27/13**SAMPLE RESULTS**

Lab ID: L1302979-01  
 Client ID: SB-2 (0-2') GRAB  
 Sample Location: 1471 WEST FARMS RD. BRONX, NY  
 Matrix: Soil  
 Analytical Method: 1,8081B  
 Analytical Date: 02/26/13 20:00  
 Analyst: BW  
 Percent Solids: 79%

Date Collected: 02/19/13 10:00  
 Date Received: 02/20/13  
 Field Prep: Not Specified  
 Extraction Method: EPA 3546  
 Extraction Date: 02/21/13 09:41  
 Cleanup Method1: EPA 3620B  
 Cleanup Date1: 02/22/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Organochlorine Pesticides by GC - Westborough Lab</b>						
Delta-BHC	ND		ug/kg	1.93	0.378	1
Lindane	ND		ug/kg	0.805	0.360	1
Alpha-BHC	ND		ug/kg	0.805	0.229	1
Beta-BHC	ND		ug/kg	1.93	0.733	1
Heptachlor	ND		ug/kg	0.966	0.433	1
Aldrin	ND		ug/kg	1.93	0.680	1
Endrin	ND		ug/kg	0.805	0.330	1
Dieldrin	ND		ug/kg	1.21	0.604	1
4,4'-DDD	0.797	JP	ug/kg	1.93	0.689	1
Endosulfan I	37.8		ug/kg	1.93	0.456	1
Endosulfan sulfate	29.2		ug/kg	0.805	0.368	1
cis-Chlordane	ND		ug/kg	2.42	0.673	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	60		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		30-150	B
Decachlorobiphenyl	91		30-150	B

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1302979**Project Number:** 5197-01-03-3001**Report Date:** 02/27/13**SAMPLE RESULTS**

**Lab ID:** L1302979-01  
**Client ID:** SB-2 (0-2') GRAB  
**Sample Location:** 1471 WEST FARMS RD. BRONX, NY  
**Matrix:** Soil  
**Analytical Method:** 1,8151A  
**Analytical Date:** 02/22/13 10:10  
**Analyst:** SH  
**Percent Solids:** 79%

**Date Collected:** 02/19/13 10:00  
**Date Received:** 02/20/13  
**Field Prep:** Not Specified  
**Extraction Method:** EPA 8151A  
**Extraction Date:** 02/21/13 10:17  
**Methylation Date:** 02/22/13 04:51

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Chlorinated Herbicides by GC - Westborough Lab						
2,4,5-TP (Silvex)	ND		ug/kg	205	11.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	90		30-150	A
DCAA	32		30-150	B

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1302979**Project Number:** 5197-01-03-3001**Report Date:** 02/27/13**SAMPLE RESULTS**

Lab ID: L1302979-02  
 Client ID: SB-2 (12-14')  
 Sample Location: 1471 WEST FARMS RD. BRONX, NY  
 Matrix: Soil  
 Analytical Method: 1,8081B  
 Analytical Date: 02/22/13 08:49  
 Analyst: BW  
 Percent Solids: 88%

Date Collected: 02/19/13 10:00  
 Date Received: 02/20/13  
 Field Prep: Not Specified  
 Extraction Method: EPA 3546  
 Extraction Date: 02/21/13 09:41  
 Cleanup Method1: EPA 3620B  
 Cleanup Date1: 02/22/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Organochlorine Pesticides by GC - Westborough Lab</b>						
Delta-BHC	ND		ug/kg	1.73	0.339	1
Lindane	ND		ug/kg	0.721	0.322	1
Alpha-BHC	ND		ug/kg	0.721	0.205	1
Beta-BHC	ND		ug/kg	1.73	0.656	1
Heptachlor	ND		ug/kg	0.865	0.388	1
Aldrin	ND		ug/kg	1.73	0.609	1
Endrin	ND		ug/kg	0.721	0.296	1
Dieldrin	ND		ug/kg	1.08	0.541	1
4,4'-DDE	ND		ug/kg	1.73	0.400	1
4,4'-DDD	ND		ug/kg	1.73	0.617	1
4,4'-DDT	ND		ug/kg	3.24	1.39	1
Endosulfan I	ND		ug/kg	1.73	0.409	1
Endosulfan II	ND		ug/kg	1.73	0.578	1
Endosulfan sulfate	ND		ug/kg	0.721	0.330	1
cis-Chlordane	ND		ug/kg	2.16	0.603	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	57		30-150	A
Decachlorobiphenyl	43		30-150	A
2,4,5,6-Tetrachloro-m-xylene	63		30-150	B
Decachlorobiphenyl	125		30-150	B

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1302979**Project Number:** 5197-01-03-3001**Report Date:** 02/27/13**SAMPLE RESULTS**

**Lab ID:** L1302979-02  
**Client ID:** SB-2 (12-14')  
**Sample Location:** 1471 WEST FARMS RD. BRONX, NY  
**Matrix:** Soil  
**Analytical Method:** 1,8151A  
**Analytical Date:** 02/22/13 10:30  
**Analyst:** SH  
**Percent Solids:** 88%

**Date Collected:** 02/19/13 10:00  
**Date Received:** 02/20/13  
**Field Prep:** Not Specified  
**Extraction Method:** EPA 8151A  
**Extraction Date:** 02/21/13 10:17  
**Methylation Date:** 02/22/13 04:51

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Chlorinated Herbicides by GC - Westborough Lab						
2,4,5-TP (Silvex)	ND		ug/kg	188	10.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	73		30-150	A
DCAA	25	Q	30-150	B

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1302979**Project Number:** 5197-01-03-3001**Report Date:** 02/27/13**SAMPLE RESULTS**

**Lab ID:** L1302979-03  
**Client ID:** SB-5 (0-2') GRAB  
**Sample Location:** 1471 WEST FARMS RD. BRONX, NY  
**Matrix:** Soil  
**Analytical Method:** 1,8081B  
**Analytical Date:** 02/26/13 20:13  
**Analyst:** BW  
**Percent Solids:** 82%

**Date Collected:** 02/19/13 09:00  
**Date Received:** 02/20/13  
**Field Prep:** Not Specified  
**Extraction Method:** EPA 3546  
**Extraction Date:** 02/21/13 09:41  
**Cleanup Method1:** EPA 3620B  
**Cleanup Date1:** 02/22/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab						
4,4'-DDD	27.3		ug/kg	1.87	0.667	1
Endosulfan II	40.7		ug/kg	1.87	0.625	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	81		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		30-150	B
Decachlorobiphenyl	89		30-150	B

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1302979**Project Number:** 5197-01-03-3001**Report Date:** 02/27/13**SAMPLE RESULTS**

Lab ID: L1302979-03  
 Client ID: SB-5 (0-2') GRAB  
 Sample Location: 1471 WEST FARMS RD. BRONX, NY  
 Matrix: Soil  
 Analytical Method: 1,8081B  
 Analytical Date: 02/26/13 20:13  
 Analyst: BW  
 Percent Solids: 82%

Date Collected: 02/19/13 09:00  
 Date Received: 02/20/13  
 Field Prep: Not Specified  
 Extraction Method: EPA 3546  
 Extraction Date: 02/21/13 09:41  
 Cleanup Method1: EPA 3620B  
 Cleanup Date1: 02/22/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Organochlorine Pesticides by GC - Westborough Lab</b>						
Delta-BHC	ND		ug/kg	1.87	0.366	1
Lindane	ND		ug/kg	0.780	0.348	1
Alpha-BHC	ND		ug/kg	0.780	0.221	1
Beta-BHC	ND		ug/kg	1.87	0.710	1
Heptachlor	ND		ug/kg	0.936	0.419	1
Aldrin	ND		ug/kg	1.87	0.659	1
Endrin	ND		ug/kg	0.780	0.320	1
Dieldrin	5.55		ug/kg	1.17	0.585	1
4,4'-DDE	17.0		ug/kg	1.87	0.433	1
4,4'-DDT	186	E	ug/kg	3.51	1.50	1
Endosulfan I	17.1		ug/kg	1.87	0.442	1
Endosulfan sulfate	56.2		ug/kg	0.780	0.356	1
cis-Chlordane	ND		ug/kg	2.34	0.652	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	81		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		30-150	B
Decachlorobiphenyl	89		30-150	B

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1302979**Project Number:** 5197-01-03-3001**Report Date:** 02/27/13**SAMPLE RESULTS**

**Lab ID:** L1302979-03  
**Client ID:** SB-5 (0-2') GRAB  
**Sample Location:** 1471 WEST FARMS RD. BRONX, NY  
**Matrix:** Soil  
**Analytical Method:** 1,8151A  
**Analytical Date:** 02/22/13 10:50  
**Analyst:** SH  
**Percent Solids:** 82%

**Date Collected:** 02/19/13 09:00  
**Date Received:** 02/20/13  
**Field Prep:** Not Specified  
**Extraction Method:** EPA 8151A  
**Extraction Date:** 02/21/13 10:17  
**Methylation Date:** 02/22/13 04:51

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Chlorinated Herbicides by GC - Westborough Lab						
2,4,5-TP (Silvex)	ND		ug/kg	199	11.0	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	72		30-150	A
DCAA	23	Q	30-150	B

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1302979**Project Number:** 5197-01-03-3001**Report Date:** 02/27/13**SAMPLE RESULTS**

Lab ID: L1302979-03 D  
 Client ID: SB-5 (0-2') GRAB  
 Sample Location: 1471 WEST FARMS RD. BRONX, NY  
 Matrix: Soil  
 Analytical Method: 1,8081B  
 Analytical Date: 02/26/13 20:26  
 Analyst: BW  
 Percent Solids: 82%

Date Collected: 02/19/13 09:00  
 Date Received: 02/20/13  
 Field Prep: Not Specified  
 Extraction Method: EPA 3546  
 Extraction Date: 02/21/13 09:41  
 Cleanup Method1: EPA 3620B  
 Cleanup Date1: 02/22/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab						
4,4'-DDT	227		ug/kg	7.02	3.01	2

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1302979**Project Number:** 5197-01-03-3001**Report Date:** 02/27/13**SAMPLE RESULTS**

Lab ID: L1302979-04  
 Client ID: SB-5 (8-10')  
 Sample Location: 1471 WEST FARMS RD. BRONX, NY  
 Matrix: Soil  
 Analytical Method: 1,8081B  
 Analytical Date: 02/26/13 20:39  
 Analyst: BW  
 Percent Solids: 92%

Date Collected: 02/19/13 09:00  
 Date Received: 02/20/13  
 Field Prep: Not Specified  
 Extraction Method: EPA 3546  
 Extraction Date: 02/21/13 09:41  
 Cleanup Method1: EPA 3620B  
 Cleanup Date1: 02/22/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Organochlorine Pesticides by GC - Westborough Lab</b>						
Delta-BHC	ND		ug/kg	1.67	0.327	1
Lindane	ND		ug/kg	0.697	0.311	1
Alpha-BHC	ND		ug/kg	0.697	0.198	1
Beta-BHC	ND		ug/kg	1.67	0.634	1
Heptachlor	ND		ug/kg	0.836	0.375	1
Aldrin	ND		ug/kg	1.67	0.589	1
Endrin	ND		ug/kg	0.697	0.286	1
Dieldrin	ND		ug/kg	1.04	0.522	1
4,4'-DDE	0.627	JP	ug/kg	1.67	0.387	1
4,4'-DDD	ND		ug/kg	1.67	0.596	1
Endosulfan I	2.90		ug/kg	1.67	0.395	1
Endosulfan II	5.31		ug/kg	1.67	0.559	1
cis-Chlordane	ND		ug/kg	2.09	0.582	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		30-150	A
Decachlorobiphenyl	77		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	92		30-150	B

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1302979**Project Number:** 5197-01-03-3001**Report Date:** 02/27/13**SAMPLE RESULTS**

**Lab ID:** L1302979-04  
**Client ID:** SB-5 (8-10')  
**Sample Location:** 1471 WEST FARMS RD. BRONX, NY  
**Matrix:** Soil  
**Analytical Method:** 1,8081B  
**Analytical Date:** 02/26/13 20:39  
**Analyst:** BW  
**Percent Solids:** 92%

**Date Collected:** 02/19/13 09:00  
**Date Received:** 02/20/13  
**Field Prep:** Not Specified  
**Extraction Method:** EPA 3546  
**Extraction Date:** 02/21/13 09:41  
**Cleanup Method1:** EPA 3620B  
**Cleanup Date1:** 02/22/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab						
4,4'-DDT	2.98	JP	ug/kg	3.14	1.34	1
Endosulfan sulfate	15.2		ug/kg	0.697	0.318	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		30-150	A
Decachlorobiphenyl	77		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	92		30-150	B

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1302979**Project Number:** 5197-01-03-3001**Report Date:** 02/27/13**SAMPLE RESULTS**

**Lab ID:** L1302979-04  
**Client ID:** SB-5 (8-10')  
**Sample Location:** 1471 WEST FARMS RD. BRONX, NY  
**Matrix:** Soil  
**Analytical Method:** 1,8151A  
**Analytical Date:** 02/22/13 11:10  
**Analyst:** SH  
**Percent Solids:** 92%

**Date Collected:** 02/19/13 09:00  
**Date Received:** 02/20/13  
**Field Prep:** Not Specified  
**Extraction Method:** EPA 8151A  
**Extraction Date:** 02/21/13 10:17  
**Methylation Date:** 02/22/13 04:51

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Chlorinated Herbicides by GC - Westborough Lab						
2,4,5-TP (Silvex)	ND		ug/kg	177	9.79	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	84		30-150	A
DCAA	25	Q	30-150	B

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1302979**Project Number:** 5197-01-03-3001**Report Date:** 02/27/13**SAMPLE RESULTS**

**Lab ID:** L1302979-05  
**Client ID:** SB-6 (0-2') GRAB  
**Sample Location:** 1471 WEST FARMS RD. BRONX, NY  
**Matrix:** Soil  
**Analytical Method:** 1,8081B  
**Analytical Date:** 02/22/13 09:27  
**Analyst:** BW  
**Percent Solids:** 80%

**Date Collected:** 02/19/13 10:00  
**Date Received:** 02/20/13  
**Field Prep:** Not Specified  
**Extraction Method:** EPA 3546  
**Extraction Date:** 02/21/13 09:41  
**Cleanup Method1:** EPA 3620B  
**Cleanup Date1:** 02/22/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Organochlorine Pesticides by GC - Westborough Lab</b>						
4,4'-DDE	1.66	J	ug/kg	1.96	0.453	1
4,4'-DDT	2.80	J	ug/kg	3.67	1.57	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	59		30-150	A
Decachlorobiphenyl	40		30-150	A
2,4,5,6-Tetrachloro-m-xylene	35		30-150	B
Decachlorobiphenyl	74		30-150	B

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1302979**Project Number:** 5197-01-03-3001**Report Date:** 02/27/13**SAMPLE RESULTS**

Lab ID: L1302979-05  
 Client ID: SB-6 (0-2') GRAB  
 Sample Location: 1471 WEST FARMS RD. BRONX, NY  
 Matrix: Soil  
 Analytical Method: 1,8081B  
 Analytical Date: 02/22/13 09:27  
 Analyst: BW  
 Percent Solids: 80%

Date Collected: 02/19/13 10:00  
 Date Received: 02/20/13  
 Field Prep: Not Specified  
 Extraction Method: EPA 3546  
 Extraction Date: 02/21/13 09:41  
 Cleanup Method1: EPA 3620B  
 Cleanup Date1: 02/22/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Organochlorine Pesticides by GC - Westborough Lab</b>						
Delta-BHC	ND		ug/kg	1.96	0.383	1
Lindane	ND		ug/kg	0.816	0.365	1
Alpha-BHC	ND		ug/kg	0.816	0.232	1
Beta-BHC	ND		ug/kg	1.96	0.742	1
Heptachlor	ND		ug/kg	0.979	0.439	1
Aldrin	ND		ug/kg	1.96	0.689	1
Endrin	ND		ug/kg	0.816	0.334	1
Dieldrin	ND		ug/kg	1.22	0.612	1
4,4'-DDD	ND		ug/kg	1.96	0.698	1
Endosulfan I	ND		ug/kg	1.96	0.463	1
Endosulfan II	ND		ug/kg	1.96	0.654	1
Endosulfan sulfate	ND		ug/kg	0.816	0.373	1
cis-Chlordane	ND		ug/kg	2.45	0.682	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	59		30-150	A
Decachlorobiphenyl	40		30-150	A
2,4,5,6-Tetrachloro-m-xylene	35		30-150	B
Decachlorobiphenyl	74		30-150	B

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1302979**Project Number:** 5197-01-03-3001**Report Date:** 02/27/13**SAMPLE RESULTS**

**Lab ID:** L1302979-05  
**Client ID:** SB-6 (0-2') GRAB  
**Sample Location:** 1471 WEST FARMS RD. BRONX, NY  
**Matrix:** Soil  
**Analytical Method:** 1,8151A  
**Analytical Date:** 02/22/13 11:30  
**Analyst:** SH  
**Percent Solids:** 80%

**Date Collected:** 02/19/13 10:00  
**Date Received:** 02/20/13  
**Field Prep:** Not Specified  
**Extraction Method:** EPA 8151A  
**Extraction Date:** 02/21/13 10:17  
**Methylation Date:** 02/22/13 04:51

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Chlorinated Herbicides by GC - Westborough Lab						
2,4,5-TP (Silvex)	ND		ug/kg	205	11.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	80		30-150	A
DCAA	30		30-150	B

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1302979**Project Number:** 5197-01-03-3001**Report Date:** 02/27/13**SAMPLE RESULTS**

Lab ID: L1302979-06  
 Client ID: SB-6 (8-10')  
 Sample Location: 1471 WEST FARMS RD. BRONX, NY  
 Matrix: Soil  
 Analytical Method: 1,8081B  
 Analytical Date: 02/26/13 20:52  
 Analyst: BW  
 Percent Solids: 85%

Date Collected: 02/19/13 10:00  
 Date Received: 02/20/13  
 Field Prep: Not Specified  
 Extraction Method: EPA 3546  
 Extraction Date: 02/21/13 09:41  
 Cleanup Method1: EPA 3620B  
 Cleanup Date1: 02/22/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Organochlorine Pesticides by GC - Westborough Lab</b>						
Delta-BHC	ND		ug/kg	1.78	0.349	1
Lindane	ND		ug/kg	0.743	0.332	1
Alpha-BHC	ND		ug/kg	0.743	0.211	1
Beta-BHC	ND		ug/kg	1.78	0.676	1
Heptachlor	ND		ug/kg	0.892	0.400	1
Aldrin	ND		ug/kg	1.78	0.628	1
Endrin	ND		ug/kg	0.743	0.305	1
Dieldrin	ND		ug/kg	1.11	0.557	1
4,4'-DDD	1.06	J	ug/kg	1.78	0.636	1
4,4'-DDT	7.25		ug/kg	3.34	1.43	1
Endosulfan II	8.00		ug/kg	1.78	0.596	1
cis-Chlordane	ND		ug/kg	2.23	0.621	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	97		30-150	A
Decachlorobiphenyl	81		30-150	A
2,4,5,6-Tetrachloro-m-xylene	85		30-150	B
Decachlorobiphenyl	108		30-150	B

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1302979**Project Number:** 5197-01-03-3001**Report Date:** 02/27/13**SAMPLE RESULTS**

**Lab ID:** L1302979-06  
**Client ID:** SB-6 (8-10')  
**Sample Location:** 1471 WEST FARMS RD. BRONX, NY  
**Matrix:** Soil  
**Analytical Method:** 1,8081B  
**Analytical Date:** 02/26/13 20:52  
**Analyst:** BW  
**Percent Solids:** 85%

**Date Collected:** 02/19/13 10:00  
**Date Received:** 02/20/13  
**Field Prep:** Not Specified  
**Extraction Method:** EPA 3546  
**Extraction Date:** 02/21/13 09:41  
**Cleanup Method1:** EPA 3620B  
**Cleanup Date1:** 02/22/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Organochlorine Pesticides by GC - Westborough Lab</b>						
4,4'-DDE	1.79		ug/kg	1.78	0.412	1
Endosulfan I	4.77		ug/kg	1.78	0.421	1
Endosulfan sulfate	10.6		ug/kg	0.743	0.340	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	97		30-150	A
Decachlorobiphenyl	81		30-150	A
2,4,5,6-Tetrachloro-m-xylene	85		30-150	B
Decachlorobiphenyl	108		30-150	B

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1302979**Project Number:** 5197-01-03-3001**Report Date:** 02/27/13**SAMPLE RESULTS**

**Lab ID:** L1302979-06  
**Client ID:** SB-6 (8-10')  
**Sample Location:** 1471 WEST FARMS RD. BRONX, NY  
**Matrix:** Soil  
**Analytical Method:** 1,8151A  
**Analytical Date:** 02/22/13 11:50  
**Analyst:** SH  
**Percent Solids:** 85%

**Date Collected:** 02/19/13 10:00  
**Date Received:** 02/20/13  
**Field Prep:** Not Specified  
**Extraction Method:** EPA 8151A  
**Extraction Date:** 02/21/13 10:17  
**Methylation Date:** 02/22/13 04:51

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Chlorinated Herbicides by GC - Westborough Lab						
2,4,5-TP (Silvex)	ND		ug/kg	192	10.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	79		30-150	A
DCAA	30		30-150	B

Project Name: COMPASS RESIDENCES

Lab Number: L1302979

Project Number: 5197-01-03-3001

Report Date: 02/27/13

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8081B  
 Analytical Date: 02/26/13 09:18  
 Analyst: BW

Extraction Method: EPA 3546  
 Extraction Date: 02/21/13 09:41  
 Cleanup Method1: EPA 3620B  
 Cleanup Date1: 02/22/13

Parameter	Result	Qualifier	Units	RL	MDL
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-06 Batch: WG591242-1					
Delta-BHC	ND		ug/kg	1.57	0.307
Lindane	ND		ug/kg	0.653	0.292
Alpha-BHC	ND		ug/kg	0.653	0.185
Beta-BHC	ND		ug/kg	1.57	0.594
Heptachlor	ND		ug/kg	0.783	0.351
Aldrin	ND		ug/kg	1.57	0.552
Endrin	ND		ug/kg	0.653	0.268
Dieldrin	ND		ug/kg	0.979	0.490
4,4'-DDE	ND		ug/kg	1.57	0.362
4,4'-DDD	ND		ug/kg	1.57	0.559
4,4'-DDT	ND		ug/kg	2.94	1.26
Endosulfan I	ND		ug/kg	1.57	0.370
Endosulfan II	ND		ug/kg	1.57	0.523
Endosulfan sulfate	ND		ug/kg	0.653	0.298
cis-Chlordane	ND		ug/kg	1.96	0.546

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	83		30-150	A
Decachlorobiphenyl	63		30-150	A
2,4,5,6-Tetrachloro-m-xylene	61		30-150	B
Decachlorobiphenyl	104		30-150	B

Project Name: COMPASS RESIDENCES

Lab Number: L1302979

Project Number: 5197-01-03-3001

Report Date: 02/27/13

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8151A  
 Analytical Date: 02/22/13 09:10  
 Analyst: SH

Extraction Method: EPA 8151A  
 Extraction Date: 02/21/13 10:17

Methylation Date: 02/22/13 04:51

Parameter	Result	Qualifier	Units	RL	MDL
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 01-06 Batch: WG591264-1					
2,4,5-TP (Silvex)	ND		ug/kg	166	9.17

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	72		30-150	A
DCAA	52		30-150	B

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: COMPASS RESIDENCES

Lab Number: L1302979

Project Number: 5197-01-03-3001

Report Date: 02/27/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-06 Batch: WG591242-2 WG591242-3								
Delta-BHC	80		45		30-150	56	Q	30
Lindane	85		45		30-150	62	Q	30
Alpha-BHC	83		48		30-150	53	Q	30
Beta-BHC	88		47		30-150	61	Q	30
Heptachlor	88		48		30-150	59	Q	30
Aldrin	99		55		30-150	57	Q	30
Heptachlor epoxide	99		54		30-150	59	Q	30
Endrin	130		64		30-150	68	Q	30
Endrin ketone	123		58		30-150	72	Q	30
Dieldrin	109		58		30-150	61	Q	30
4,4'-DDE	110		62		30-150	56	Q	30
4,4'-DDD	120		59		30-150	68	Q	30
4,4'-DDT	117		59		30-150	66	Q	30
Endosulfan I	111		54		30-150	69	Q	30
Endosulfan II	115		57		30-150	67	Q	30
Endosulfan sulfate	124		59		30-150	71	Q	30
Methoxychlor	122		58		30-150	71	Q	30
cis-Chlordane	101		54		30-150	61	Q	30
trans-Chlordane	105		56		30-150	61	Q	30

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** COMPASS RESIDENCES  
**Project Number:** 5197-01-03-3001

**Lab Number:** L1302979  
**Report Date:** 02/27/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
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Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-06 Batch: WG591242-2 WG591242-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	88		50		30-150	A
Decachlorobiphenyl	58		33		30-150	A
2,4,5,6-Tetrachloro-m-xylene	63		37		30-150	B
Decachlorobiphenyl	105		58		30-150	B

Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01-06 Batch: WG591264-2 WG591264-3

2,4-D	95		84		30-150	12	30
2,4,5-T	86		77		30-150	11	30
2,4,5-TP (Silvex)	81		72		30-150	12	30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	79		66		30-150	A
DCAA	42		30		30-150	B

## METALS

**Project Name:** COMPASS RESIDENCES  
**Project Number:** 5197-01-03-3001

**Lab Number:** L1302979  
**Report Date:** 02/27/13

**SAMPLE RESULTS**

Lab ID: L1302979-01  
 Client ID: SB-2 (0-2') GRAB  
 Sample Location: 1471 WEST FARMS RD. BRONX, NY  
 Matrix: Soil  
 Percent Solids: 79%

Date Collected: 02/19/13 10:00  
 Date Received: 02/20/13  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Westborough Lab</b>											
Arsenic, Total	6.2		mg/kg	0.48	0.14	1	02/25/13 09:39	02/25/13 15:18	EPA 3050B	1,6010C	MG
Barium, Total	190		mg/kg	0.48	0.14	1	02/25/13 09:39	02/25/13 15:18	EPA 3050B	1,6010C	MG
Beryllium, Total	0.66		mg/kg	0.24	0.02	1	02/25/13 09:39	02/25/13 15:18	EPA 3050B	1,6010C	MG
Cadmium, Total	0.31	J	mg/kg	0.48	0.03	1	02/25/13 09:39	02/25/13 15:18	EPA 3050B	1,6010C	MG
Chromium, Total	23		mg/kg	0.48	0.10	1	02/25/13 09:39	02/25/13 15:18	EPA 3050B	1,6010C	MG
Copper, Total	72		mg/kg	0.48	0.24	1	02/25/13 09:39	02/25/13 15:18	EPA 3050B	1,6010C	MG
Lead, Total	620		mg/kg	2.4	0.14	1	02/25/13 09:39	02/25/13 15:18	EPA 3050B	1,6010C	MG
Manganese, Total	400		mg/kg	0.48	0.10	1	02/25/13 09:39	02/25/13 15:18	EPA 3050B	1,6010C	MG
Mercury, Total	0.85		mg/kg	0.08	0.02	1	02/25/13 12:45	02/25/13 14:03	EPA 7471B	1,7471B	MC
Nickel, Total	17		mg/kg	1.2	0.19	1	02/25/13 09:39	02/25/13 15:18	EPA 3050B	1,6010C	MG
Selenium, Total	1.5		mg/kg	0.96	0.14	1	02/25/13 09:39	02/25/13 15:18	EPA 3050B	1,6010C	MG
Silver, Total	0.28	J	mg/kg	0.48	0.10	1	02/25/13 09:39	02/25/13 15:18	EPA 3050B	1,6010C	MG
Zinc, Total	380		mg/kg	4.8	0.48	2	02/25/13 09:39	02/25/13 17:05	EPA 3050B	1,6010C	MG



**Project Name:** COMPASS RESIDENCES  
**Project Number:** 5197-01-03-3001

**Lab Number:** L1302979  
**Report Date:** 02/27/13

**SAMPLE RESULTS**

Lab ID: L1302979-02  
 Client ID: SB-2 (12-14')  
 Sample Location: 1471 WEST FARMS RD. BRONX, NY  
 Matrix: Soil  
 Percent Solids: 88%

Date Collected: 02/19/13 10:00  
 Date Received: 02/20/13  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Westborough Lab</b>											
Arsenic, Total	0.64		mg/kg	0.43	0.13	1	02/25/13 09:39	02/25/13 15:29	EPA 3050B	1,6010C	MG
Barium, Total	34		mg/kg	0.43	0.13	1	02/25/13 09:39	02/25/13 15:29	EPA 3050B	1,6010C	MG
Beryllium, Total	0.22		mg/kg	0.21	0.02	1	02/25/13 09:39	02/25/13 15:29	EPA 3050B	1,6010C	MG
Cadmium, Total	ND		mg/kg	0.43	0.03	1	02/25/13 09:39	02/25/13 15:29	EPA 3050B	1,6010C	MG
Chromium, Total	15		mg/kg	0.43	0.09	1	02/25/13 09:39	02/25/13 15:29	EPA 3050B	1,6010C	MG
Copper, Total	24		mg/kg	0.43	0.21	1	02/25/13 09:39	02/25/13 15:29	EPA 3050B	1,6010C	MG
Lead, Total	2.7		mg/kg	2.1	0.13	1	02/25/13 09:39	02/25/13 15:29	EPA 3050B	1,6010C	MG
Manganese, Total	120		mg/kg	0.43	0.09	1	02/25/13 09:39	02/25/13 15:29	EPA 3050B	1,6010C	MG
Mercury, Total	ND		mg/kg	0.08	0.02	1	02/25/13 12:45	02/25/13 14:05	EPA 7471B	1,7471B	MC
Nickel, Total	19		mg/kg	1.1	0.17	1	02/25/13 09:39	02/25/13 15:29	EPA 3050B	1,6010C	MG
Selenium, Total	0.50	J	mg/kg	0.85	0.13	1	02/25/13 09:39	02/25/13 15:29	EPA 3050B	1,6010C	MG
Silver, Total	ND		mg/kg	0.43	0.09	1	02/25/13 09:39	02/25/13 15:29	EPA 3050B	1,6010C	MG
Zinc, Total	29		mg/kg	2.1	0.21	1	02/25/13 09:39	02/25/13 15:29	EPA 3050B	1,6010C	MG



**Project Name:** COMPASS RESIDENCES  
**Project Number:** 5197-01-03-3001

**Lab Number:** L1302979  
**Report Date:** 02/27/13

**SAMPLE RESULTS**

Lab ID: L1302979-03  
 Client ID: SB-5 (0-2') GRAB  
 Sample Location: 1471 WEST FARMS RD. BRONX, NY  
 Matrix: Soil  
 Percent Solids: 82%

Date Collected: 02/19/13 09:00  
 Date Received: 02/20/13  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Westborough Lab</b>											
Arsenic, Total	3.2		mg/kg	0.47	0.14	1	02/25/13 09:39	02/25/13 15:32	EPA 3050B	1,6010C	MG
Barium, Total	72		mg/kg	0.47	0.14	1	02/25/13 09:39	02/25/13 15:32	EPA 3050B	1,6010C	MG
Beryllium, Total	0.58		mg/kg	0.23	0.02	1	02/25/13 09:39	02/25/13 15:32	EPA 3050B	1,6010C	MG
Cadmium, Total	ND		mg/kg	0.47	0.03	1	02/25/13 09:39	02/25/13 15:32	EPA 3050B	1,6010C	MG
Chromium, Total	22		mg/kg	0.47	0.09	1	02/25/13 09:39	02/25/13 15:32	EPA 3050B	1,6010C	MG
Copper, Total	20		mg/kg	0.47	0.23	1	02/25/13 09:39	02/25/13 15:32	EPA 3050B	1,6010C	MG
Lead, Total	15		mg/kg	2.3	0.14	1	02/25/13 09:39	02/25/13 15:32	EPA 3050B	1,6010C	MG
Manganese, Total	400		mg/kg	0.47	0.09	1	02/25/13 09:39	02/25/13 15:32	EPA 3050B	1,6010C	MG
Mercury, Total	0.08		mg/kg	0.08	0.02	1	02/25/13 12:45	02/25/13 14:07	EPA 7471B	1,7471B	MC
Nickel, Total	17		mg/kg	1.2	0.19	1	02/25/13 09:39	02/25/13 15:32	EPA 3050B	1,6010C	MG
Selenium, Total	1.2		mg/kg	0.93	0.14	1	02/25/13 09:39	02/25/13 15:32	EPA 3050B	1,6010C	MG
Silver, Total	ND		mg/kg	0.47	0.09	1	02/25/13 09:39	02/25/13 15:32	EPA 3050B	1,6010C	MG
Zinc, Total	180		mg/kg	2.3	0.23	1	02/25/13 09:39	02/25/13 15:32	EPA 3050B	1,6010C	MG



**Project Name:** COMPASS RESIDENCES  
**Project Number:** 5197-01-03-3001

**Lab Number:** L1302979  
**Report Date:** 02/27/13

**SAMPLE RESULTS**

Lab ID: L1302979-04  
 Client ID: SB-5 (8-10')  
 Sample Location: 1471 WEST FARMS RD. BRONX, NY  
 Matrix: Soil  
 Percent Solids: 92%

Date Collected: 02/19/13 09:00  
 Date Received: 02/20/13  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Westborough Lab</b>											
Arsenic, Total	1.4		mg/kg	0.42	0.13	1	02/25/13 09:39	02/25/13 15:35	EPA 3050B	1,6010C	MG
Barium, Total	34		mg/kg	0.42	0.13	1	02/25/13 09:39	02/25/13 15:35	EPA 3050B	1,6010C	MG
Beryllium, Total	0.28		mg/kg	0.21	0.02	1	02/25/13 09:39	02/25/13 15:35	EPA 3050B	1,6010C	MG
Cadmium, Total	ND		mg/kg	0.42	0.03	1	02/25/13 09:39	02/25/13 15:35	EPA 3050B	1,6010C	MG
Chromium, Total	14		mg/kg	0.42	0.09	1	02/25/13 09:39	02/25/13 15:35	EPA 3050B	1,6010C	MG
Copper, Total	18		mg/kg	0.42	0.21	1	02/25/13 09:39	02/25/13 15:35	EPA 3050B	1,6010C	MG
Lead, Total	13		mg/kg	2.1	0.13	1	02/25/13 09:39	02/25/13 15:35	EPA 3050B	1,6010C	MG
Manganese, Total	200		mg/kg	0.42	0.09	1	02/25/13 09:39	02/25/13 15:35	EPA 3050B	1,6010C	MG
Mercury, Total	ND		mg/kg	0.08	0.02	1	02/25/13 12:45	02/25/13 14:08	EPA 7471B	1,7471B	MC
Nickel, Total	12		mg/kg	1.1	0.17	1	02/25/13 09:39	02/25/13 15:35	EPA 3050B	1,6010C	MG
Selenium, Total	0.54	J	mg/kg	0.85	0.13	1	02/25/13 09:39	02/25/13 15:35	EPA 3050B	1,6010C	MG
Silver, Total	ND		mg/kg	0.42	0.09	1	02/25/13 09:39	02/25/13 15:35	EPA 3050B	1,6010C	MG
Zinc, Total	57		mg/kg	2.1	0.21	1	02/25/13 09:39	02/25/13 15:35	EPA 3050B	1,6010C	MG



**Project Name:** COMPASS RESIDENCES  
**Project Number:** 5197-01-03-3001

**Lab Number:** L1302979  
**Report Date:** 02/27/13

**SAMPLE RESULTS**

Lab ID: L1302979-05  
 Client ID: SB-6 (0-2') GRAB  
 Sample Location: 1471 WEST FARMS RD. BRONX, NY  
 Matrix: Soil  
 Percent Solids: 80%

Date Collected: 02/19/13 10:00  
 Date Received: 02/20/13  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Westborough Lab</b>											
Arsenic, Total	3.2		mg/kg	0.48	0.14	1	02/25/13 09:39	02/25/13 15:46	EPA 3050B	1,6010C	MG
Barium, Total	100		mg/kg	0.48	0.14	1	02/25/13 09:39	02/25/13 15:46	EPA 3050B	1,6010C	MG
Beryllium, Total	0.65		mg/kg	0.24	0.02	1	02/25/13 09:39	02/25/13 15:46	EPA 3050B	1,6010C	MG
Cadmium, Total	ND		mg/kg	0.48	0.03	1	02/25/13 09:39	02/25/13 15:46	EPA 3050B	1,6010C	MG
Chromium, Total	21		mg/kg	0.48	0.10	1	02/25/13 09:39	02/25/13 15:46	EPA 3050B	1,6010C	MG
Copper, Total	24		mg/kg	0.48	0.24	1	02/25/13 09:39	02/25/13 15:46	EPA 3050B	1,6010C	MG
Lead, Total	62		mg/kg	2.4	0.14	1	02/25/13 09:39	02/25/13 15:46	EPA 3050B	1,6010C	MG
Manganese, Total	540		mg/kg	0.48	0.10	1	02/25/13 09:39	02/25/13 15:46	EPA 3050B	1,6010C	MG
Mercury, Total	0.05	J	mg/kg	0.10	0.02	1	02/25/13 12:45	02/25/13 14:14	EPA 7471B	1,7471B	MC
Nickel, Total	16		mg/kg	1.2	0.19	1	02/25/13 09:39	02/25/13 15:46	EPA 3050B	1,6010C	MG
Selenium, Total	1.5		mg/kg	0.97	0.14	1	02/25/13 09:39	02/25/13 15:46	EPA 3050B	1,6010C	MG
Silver, Total	ND		mg/kg	0.48	0.10	1	02/25/13 09:39	02/25/13 15:46	EPA 3050B	1,6010C	MG
Zinc, Total	95		mg/kg	2.4	0.24	1	02/25/13 09:39	02/25/13 15:46	EPA 3050B	1,6010C	MG



**Project Name:** COMPASS RESIDENCES  
**Project Number:** 5197-01-03-3001

**Lab Number:** L1302979  
**Report Date:** 02/27/13

**SAMPLE RESULTS**

Lab ID: L1302979-06  
 Client ID: SB-6 (8-10')  
 Sample Location: 1471 WEST FARMS RD. BRONX, NY  
 Matrix: Soil  
 Percent Solids: 85%

Date Collected: 02/19/13 10:00  
 Date Received: 02/20/13  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Westborough Lab</b>											
Arsenic, Total	2.0		mg/kg	0.44	0.13	1	02/25/13 09:39	02/25/13 15:49	EPA 3050B	1,6010C	MG
Barium, Total	46		mg/kg	0.44	0.13	1	02/25/13 09:39	02/25/13 15:49	EPA 3050B	1,6010C	MG
Beryllium, Total	0.43		mg/kg	0.22	0.02	1	02/25/13 09:39	02/25/13 15:49	EPA 3050B	1,6010C	MG
Cadmium, Total	ND		mg/kg	0.44	0.03	1	02/25/13 09:39	02/25/13 15:49	EPA 3050B	1,6010C	MG
Chromium, Total	18		mg/kg	0.44	0.09	1	02/25/13 09:39	02/25/13 15:49	EPA 3050B	1,6010C	MG
Copper, Total	17		mg/kg	0.44	0.22	1	02/25/13 09:39	02/25/13 15:49	EPA 3050B	1,6010C	MG
Lead, Total	4.1		mg/kg	2.2	0.13	1	02/25/13 09:39	02/25/13 15:49	EPA 3050B	1,6010C	MG
Manganese, Total	470		mg/kg	0.44	0.09	1	02/25/13 09:39	02/25/13 15:49	EPA 3050B	1,6010C	MG
Mercury, Total	ND		mg/kg	0.09	0.02	1	02/25/13 12:45	02/25/13 14:16	EPA 7471B	1,7471B	MC
Nickel, Total	13		mg/kg	1.1	0.18	1	02/25/13 09:39	02/25/13 15:49	EPA 3050B	1,6010C	MG
Selenium, Total	1.1		mg/kg	0.88	0.13	1	02/25/13 09:39	02/25/13 15:49	EPA 3050B	1,6010C	MG
Silver, Total	ND		mg/kg	0.44	0.09	1	02/25/13 09:39	02/25/13 15:49	EPA 3050B	1,6010C	MG
Zinc, Total	75		mg/kg	2.2	0.22	1	02/25/13 09:39	02/25/13 15:49	EPA 3050B	1,6010C	MG



**Project Name:** COMPASS RESIDENCES  
**Project Number:** 5197-01-03-3001

**Lab Number:** L1302979  
**Report Date:** 02/27/13

## Method Blank Analysis Batch Quality Control

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-06 Batch: WG591717-1									
Arsenic, Total	ND	mg/kg	0.40	0.12	1	02/25/13 09:39	02/25/13 15:12	1,6010C	MG
Barium, Total	ND	mg/kg	0.40	0.12	1	02/25/13 09:39	02/25/13 15:12	1,6010C	MG
Beryllium, Total	ND	mg/kg	0.20	0.02	1	02/25/13 09:39	02/25/13 15:12	1,6010C	MG
Cadmium, Total	ND	mg/kg	0.40	0.02	1	02/25/13 09:39	02/25/13 15:12	1,6010C	MG
Chromium, Total	ND	mg/kg	0.40	0.08	1	02/25/13 09:39	02/25/13 15:12	1,6010C	MG
Copper, Total	ND	mg/kg	0.40	0.20	1	02/25/13 09:39	02/25/13 15:12	1,6010C	MG
Lead, Total	ND	mg/kg	2.0	0.12	1	02/25/13 09:39	02/25/13 15:12	1,6010C	MG
Manganese, Total	ND	mg/kg	0.40	0.08	1	02/25/13 09:39	02/25/13 15:12	1,6010C	MG
Nickel, Total	ND	mg/kg	1.0	0.16	1	02/25/13 09:39	02/25/13 15:12	1,6010C	MG
Selenium, Total	ND	mg/kg	0.80	0.12	1	02/25/13 09:39	02/25/13 15:12	1,6010C	MG
Silver, Total	ND	mg/kg	0.40	0.08	1	02/25/13 09:39	02/25/13 15:12	1,6010C	MG
Zinc, Total	ND	mg/kg	2.0	0.20	1	02/25/13 09:39	02/25/13 15:12	1,6010C	MG

### Prep Information

Digestion Method: EPA 3050B

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-06 Batch: WG591772-1									
Mercury, Total	ND	mg/kg	0.08	0.02	1	02/25/13 12:45	02/25/13 13:52	1,7471B	MC

### Prep Information

Digestion Method: EPA 7471B

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** COMPASS RESIDENCES

**Project Number:** 5197-01-03-3001

**Lab Number:** L1302979

**Report Date:** 02/27/13

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Total Metals - Westborough Lab Associated sample(s): 01-06 Batch: WG591717-2								
Arsenic, Total	104		-		75-125	-		
Barium, Total	101		-		75-125	-		
Beryllium, Total	99		-		75-125	-		
Cadmium, Total	100		-		75-125	-		
Chromium, Total	94		-		75-125	-		
Copper, Total	97		-		75-125	-		
Lead, Total	95		-		75-125	-		
Manganese, Total	94		-		75-125	-		
Nickel, Total	91		-		75-125	-		
Selenium, Total	102		-		75-125	-		
Silver, Total	103		-		75-125	-		
Zinc, Total	94		-		75-125	-		
Total Metals - Westborough Lab Associated sample(s): 01-06 Batch: WG591772-2 SRM Lot Number: 0518-10-02								
Mercury, Total	108		-		67-133	-		

### Matrix Spike Analysis Batch Quality Control

Project Name: COMPASS RESIDENCES

Lab Number: L1302979

Project Number: 5197-01-03-3001

Report Date: 02/27/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Qual	MSD Found	MSD %Recovery	MSD Qual	Recovery Limits	RPD	RPD Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG591717-4 QC Sample: L1302979-01 Client ID: SB-2 (0-2') GRAB												
Arsenic, Total	6.2	11.4	18	103		-	-		75-125	-		35
Barium, Total	190	190	430	126	Q	-	-		75-125	-		35
Beryllium, Total	0.66	4.76	5.1	93		-	-		75-125	-		35
Cadmium, Total	0.31J	4.85	5.2	107		-	-		75-125	-		35
Chromium, Total	23.	19	41	94		-	-		75-125	-		35
Copper, Total	72.	23.8	85	55	Q	-	-		75-125	-		35
Lead, Total	620	48.5	560	0	Q	-	-		75-125	-		35
Manganese, Total	400	47.6	460	126	Q	-	-		75-125	-		35
Nickel, Total	17.	47.6	60	90		-	-		75-125	-		35
Selenium, Total	1.5	11.4	12	92		-	-		75-125	-		35
Silver, Total	0.28J	28.6	29	102		-	-		75-125	-		35
Zinc, Total	380	47.6	610	483	Q	-	-		75-125	-		35
Total Metals - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG591772-4 QC Sample: L1303142-06 Client ID: MS Sample												
Mercury, Total	ND	0.142	0.15	106		-	-		70-130	-		35

## Lab Duplicate Analysis

Batch Quality Control

Project Name: COMPASS RESIDENCES

Project Number: 5197-01-03-3001

Lab Number: L1302979

Report Date: 02/27/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
<b>Total Metals - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG591717-3 QC Sample: L1302979-01 Client ID: SB-2 (0-2') GRAB</b>						
Arsenic, Total	6.2	6.7	mg/kg	8		35
Barium, Total	190	190	mg/kg	0		35
Beryllium, Total	0.66	0.60	mg/kg	10		35
Cadmium, Total	0.31J	0.35J	mg/kg	NC		35
Chromium, Total	23.	22	mg/kg	4		35
Copper, Total	72.	73	mg/kg	1		35
Lead, Total	620	440	mg/kg	34		35
Manganese, Total	400	420	mg/kg	5		35
Nickel, Total	17.	17	mg/kg	0		35
Selenium, Total	1.5	1.6	mg/kg	6		35
Silver, Total	0.28J	0.27J	mg/kg	NC		35
<b>Total Metals - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG591717-3 QC Sample: L1302979-01 Client ID: SB-2 (0-2') GRAB</b>						
Zinc, Total	380	430	mg/kg	12		35
<b>Total Metals - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG591772-3 QC Sample: L1303142-06 Client ID: DUP Sample</b>						
Mercury, Total	ND	ND	mg/kg	NC		35

# **INORGANICS & MISCELLANEOUS**

Project Name: COMPASS RESIDENCES

Lab Number: L1302979

Project Number: 5197-01-03-3001

Report Date: 02/27/13

## SAMPLE RESULTS

Lab ID: L1302979-01  
 Client ID: SB-2 (0-2') GRAB  
 Sample Location: 1471 WEST FARMS RD. BRONX, NY  
 Matrix: Soil

Date Collected: 02/19/13 10:00  
 Date Received: 02/20/13  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	23		mg/kg	1.0	1.0	1	-	02/26/13 09:55	107,-	JO
Solids, Total	79		%	0.10	NA	1	-	02/24/13 13:08	30,2540G	TA
Cyanide, Total	ND		mg/kg	1.2	0.29	1	02/21/13 09:56	02/21/13 14:50	1,9010C/9012A	JO
Chromium, Hexavalent	0.25	J	mg/kg	1.0	0.23	1	02/21/13 14:00	02/22/13 14:50	1,7196A	ST



Project Name: COMPASS RESIDENCES

Lab Number: L1302979

Project Number: 5197-01-03-3001

Report Date: 02/27/13

## SAMPLE RESULTS

Lab ID: L1302979-02  
 Client ID: SB-2 (12-14')  
 Sample Location: 1471 WEST FARMS RD. BRONX, NY  
 Matrix: Soil

Date Collected: 02/19/13 10:00  
 Date Received: 02/20/13  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	15		mg/kg	0.91	0.91	1	-	02/26/13 09:55	107,-	JO
Solids, Total	88		%	0.10	NA	1	-	02/24/13 13:08	30,2540G	TA
Cyanide, Total	ND		mg/kg	1.0	0.25	1	02/21/13 09:56	02/21/13 14:52	1,9010C/9012A	JO
Chromium, Hexavalent	0.30	J	mg/kg	0.91	0.20	1	02/21/13 14:00	02/22/13 14:50	1,7196A	ST



Project Name: COMPASS RESIDENCES

Lab Number: L1302979

Project Number: 5197-01-03-3001

Report Date: 02/27/13

## SAMPLE RESULTS

Lab ID: L1302979-03  
 Client ID: SB-5 (0-2') GRAB  
 Sample Location: 1471 WEST FARMS RD. BRONX, NY  
 Matrix: Soil

Date Collected: 02/19/13 09:00  
 Date Received: 02/20/13  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	22		mg/kg	0.98	0.98	1	-	02/26/13 09:55	107,-	JO
Solids, Total	82		%	0.10	NA	1	-	02/24/13 13:08	30,2540G	TA
Cyanide, Total	ND		mg/kg	1.2	0.27	1	02/21/13 09:56	02/21/13 14:53	1,9010C/9012A	JO
Chromium, Hexavalent	0.66	J	mg/kg	0.98	0.22	1	02/21/13 14:00	02/22/13 14:51	1,7196A	ST



Project Name: COMPASS RESIDENCES

Lab Number: L1302979

Project Number: 5197-01-03-3001

Report Date: 02/27/13

## SAMPLE RESULTS

Lab ID: L1302979-04  
 Client ID: SB-5 (8-10')  
 Sample Location: 1471 WEST FARMS RD. BRONX, NY  
 Matrix: Soil

Date Collected: 02/19/13 09:00  
 Date Received: 02/20/13  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	14		mg/kg	0.87	0.87	1	-	02/26/13 09:55	107,-	JO
Solids, Total	92		%	0.10	NA	1	-	02/24/13 13:08	30,2540G	TA
Cyanide, Total	ND		mg/kg	1.0	0.23	1	02/21/13 09:56	02/21/13 14:54	1,9010C/9012A	JO
Chromium, Hexavalent	0.54	J	mg/kg	0.87	0.20	1	02/21/13 14:00	02/22/13 14:51	1,7196A	ST



Project Name: COMPASS RESIDENCES

Lab Number: L1302979

Project Number: 5197-01-03-3001

Report Date: 02/27/13

## SAMPLE RESULTS

Lab ID: L1302979-05  
 Client ID: SB-6 (0-2') GRAB  
 Sample Location: 1471 WEST FARMS RD. BRONX, NY  
 Matrix: Soil

Date Collected: 02/19/13 10:00  
 Date Received: 02/20/13  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	21		mg/kg	1.0	1.0	1	-	02/26/13 09:55	107,-	JO
Solids, Total	80		%	0.10	NA	1	-	02/24/13 13:08	30,2540G	TA
Cyanide, Total	ND		mg/kg	1.2	0.28	1	02/21/13 13:10	02/21/13 16:15	1,9010C/9012A	JO
Chromium, Hexavalent	0.68	J	mg/kg	1.0	0.23	1	02/21/13 14:00	02/22/13 14:52	1,7196A	ST



Project Name: COMPASS RESIDENCES

Lab Number: L1302979

Project Number: 5197-01-03-3001

Report Date: 02/27/13

## SAMPLE RESULTS

Lab ID: L1302979-06  
 Client ID: SB-6 (8-10')  
 Sample Location: 1471 WEST FARMS RD. BRONX, NY  
 Matrix: Soil

Date Collected: 02/19/13 10:00  
 Date Received: 02/20/13  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	18		mg/kg	0.94	0.94	1	-	02/26/13 09:55	107,-	JO
Solids, Total	85		%	0.10	NA	1	-	02/24/13 13:08	30,2540G	TA
Cyanide, Total	ND		mg/kg	1.1	0.27	1	02/21/13 13:10	02/21/13 16:16	1,9010C/9012A	JO
Chromium, Hexavalent	0.38	J	mg/kg	0.94	0.21	1	02/21/13 14:00	02/22/13 14:53	1,7196A	ST



Project Name: COMPASS RESIDENCES

Lab Number: L1302979

Project Number: 5197-01-03-3001

Report Date: 02/27/13

**Method Blank Analysis**  
**Batch Quality Control**

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-06 Batch: WG591263-1									
Cyanide, Total	ND	mg/kg	0.89	0.21	1	02/21/13 09:56	02/21/13 14:45	1,9010C/9012A	JO
General Chemistry - Westborough Lab for sample(s): 01-06 Batch: WG591340-1									
Chromium, Hexavalent	ND	mg/l	0.80	0.18	1	02/21/13 14:00	02/22/13 14:31	1,7196A	ST

## Lab Control Sample Analysis

Batch Quality Control

**Project Name:** COMPASS RESIDENCES

**Lab Number:** L1302979

**Project Number:** 5197-01-03-3001

**Report Date:** 02/27/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-06 Batch: WG591263-2 WG591263-3								
Cyanide, Total	87		81		80-120	8		35
General Chemistry - Westborough Lab Associated sample(s): 01-06 Batch: WG591340-2								
Chromium, Hexavalent	96		-		80-120	-		20

### Matrix Spike Analysis Batch Quality Control

**Project Name:** COMPASS RESIDENCES  
**Project Number:** 5197-01-03-3001

**Lab Number:** L1302979  
**Report Date:** 02/27/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Qual	MSD Found	MSD %Recovery	MSD Qual	Recovery Limits	RPD	RPD Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG591263-4 WG591263-5 QC Sample: L1302979-04 Client ID: SB-5 (8-10')												
Cyanide, Total	ND	11	12	110		11	110		65-135	9		35
General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG591340-3 QC Sample: L1302979-04 Client ID: SB-5 (8-10')												
Chromium, Hexavalent	0.54J	1210	1300	110		-	-		75-125	-		20



## Lab Duplicate Analysis

Batch Quality Control

Project Name: COMPASS RESIDENCES

Project Number: 5197-01-03-3001

Lab Number: L1302979

Report Date: 02/27/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG591340-4 QC Sample: L1302979-04 Client ID: SB-5 (8-10')						
Chromium, Hexavalent	0.54J	0.64J	mg/kg	NC		20
General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG591657-1 QC Sample: L1302939-21 Client ID: DUP Sample						
Solids, Total	96.	96	%	0		20

Project Name: COMPASS RESIDENCES

Lab Number: L1302979

Project Number: 5197-01-03-3001

Report Date: 02/27/13

## Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

## Cooler Information Custody Seal

## Cooler

A Absent

## Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1302979-01A	Amber 250ml unpreserved	A	N/A	4	Y	Absent	NYTCL-8260(14)
L1302979-01B	Amber 250ml unpreserved	A	N/A	4	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),CR-TI(180),NI-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),NYTCL-8081(14),HGT(28),MN-TI(180),NYTCL-8082(14),CD-TI(180),HEXCR-7196(30)
L1302979-02A	Amber 250ml unpreserved	A	N/A	4	Y	Absent	NYTCL-8260(14)
L1302979-02B	Amber 250ml unpreserved	A	N/A	4	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),CR-TI(180),NI-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),NYTCL-8081(14),HGT(28),MN-TI(180),NYTCL-8082(14),CD-TI(180),HEXCR-7196(30)
L1302979-03A	Amber 250ml unpreserved	A	N/A	4	Y	Absent	NYTCL-8260(14)
L1302979-03B	Amber 250ml unpreserved	A	N/A	4	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),CR-TI(180),NI-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),NYTCL-8081(14),HGT(28),MN-TI(180),NYTCL-8082(14),CD-TI(180),HEXCR-7196(30)
L1302979-04A	Amber 250ml unpreserved	A	N/A	4	Y	Absent	NYTCL-8260(14)

\*Values in parentheses indicate holding time in days



Project Name: COMPASS RESIDENCES

Project Number: 5197-01-03-3001

Lab Number: L1302979

Report Date: 02/27/13

**Container Information**

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1302979-04B	Amber 250ml unpreserved	A	N/A	4	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),CR-TI(180),NI-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),NYTCL-8081(14),HGT(28),MN-TI(180),NYTCL-8082(14),CD-TI(180),HEXCR-7196(30)
L1302979-05A	Amber 250ml unpreserved	A	N/A	4	Y	Absent	NYTCL-8260(14)
L1302979-05B	Amber 250ml unpreserved	A	N/A	4	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),CR-TI(180),NI-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),NYTCL-8081(14),HGT(28),MN-TI(180),NYTCL-8082(14),CD-TI(180),HEXCR-7196(30)
L1302979-06A	Amber 250ml unpreserved	A	N/A	4	Y	Absent	NYTCL-8260(14)
L1302979-06B	Amber 250ml unpreserved	A	N/A	4	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),CR-TI(180),NI-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),NYTCL-8081(14),HGT(28),MN-TI(180),NYTCL-8082(14),CD-TI(180),HEXCR-7196(30)

**Container Comments**

L1302979-01B

L1302979-02B

L1302979-03B

L1302979-04B

L1302979-05B

L1302979-06B

\*Values in parentheses indicate holding time in days



**Project Name:** COMPASS RESIDENCES  
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**Lab Number:** L1302979  
**Report Date:** 02/27/13

## GLOSSARY

### Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

### Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

### Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

### Data Qualifiers

- A** - Spectra identified as "Aldol Condensation Product".
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported

Report Format: DU Report with "J" Qualifiers



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**Data Qualifiers**

due to obvious interference.

- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with "J" Qualifiers

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## REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.
- 30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.
- 107 Alpha Analytical - In-house calculation method.

## LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



## Certificate/Approval Program Summary

Last revised December 19, 2012 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.  
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

### Connecticut Department of Public Health Certificate/Lab ID: PH-0574. **NELAP Accredited Solid Waste/Soil.**

*Drinking Water* (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223, Enumeration and P/A), E. Coli. – Colilert (SM9223, Enumeration and P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

*Wastewater/Non-Potable Water* (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), E. Coli – Colilert (SM9223 Enumeration), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E), Enterococcus - Enterolert.

*Solid Waste/Soil* (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP (Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics & Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).)

### Maine Department of Human Services Certificate/Lab ID: 2009024.

*Drinking Water* (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 2540C, 4500CI-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

*Wastewater/Non-Potable Water* (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500CI-D, 4500CI-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 9010B, 9040B, 9030B, 7470A, 7196A, 2340B, EPA 200.7, 6010B, 6010C, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8330, 8151A, 8260B, 8260C, 8270C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

*Solid Waste/Soil* (Inorganic Parameters: 9010B, 9012A, 9014, 9030B, 9040B, 9045C, 6010B, 6010C, 6020, 6020A, 7471A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260B, 8270C, 8270D, 8330, 8151A, 8081A, 8081B, 8082, 8082A, 3540C, 3546, 3580A, 3630C, 5030B, 5035.)

### Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.

*Drinking Water* (Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; Colilert, SM9223B; MF-SM9222D.)

*Non-Potable Water (Inorganic Parameters:* (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.

*Organic Parameters:* (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. *Microbiology Parameters:* (ColilertQT SM9223B; Enterolert-QT: SM9222D-MF.)

**New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. *NELAP Accredited.***

*Drinking Water (Inorganic Parameters:* SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. *Organic Parameters:* 504.1, 524.2.)

*Non-Potable Water (Inorganic Parameters:* SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. *Organic Parameters:* SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.)

*Solid & Chemical Materials (Inorganic Parameters:* SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. *Organic Parameters:* SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.)

**New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. *NELAP Accredited.***

*Drinking Water (Inorganic Parameters:* SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. *Organic Parameters:* EPA 332, 504.1, 524.2.)

*Non-Potable Water (Inorganic Parameters:* SM5210B, EPA 410.4, SM5220D, 4500CI-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM2520B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. *Organic Parameters:* SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by NJ Modified 8270, 8015B, NJ EPH.)

*Solid & Chemical Materials (Inorganic Parameters:* SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D, 9050A, 9065, 9251. *Organic Parameters:* SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035L, 5035H, NJ EPH.)

**New York Department of Health Certificate/Lab ID: 11148. *NELAP Accredited.***

*Drinking Water (Inorganic Parameters:* SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. *Organic Parameters:* EPA 524.2, 504.1.)

*Non-Potable Water (Inorganic Parameters:* SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6010C, 6020, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, LACHAT 10-204-00-1-A, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015, 9010C, 9030B. *Organic Parameters:* EPA 624, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 625, 608, 8081A, 8081B, 8151A, 8330, 8082, 8082A, EPA 3510C, 5030B.)

*Solid & Hazardous Waste (Inorganic Parameters:* EPA 1010A, 1030, EPA 6010B, 6010C, 7196A, 7471A, 7471B, 9012B, 9014, 9065, 9050A, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. *Organic Parameters:* EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8015B, 8015C, 8081A, 8081B, 8151A, 8330, 8082 8082A, 3540C,

3546, 3580A, 5030B, 5035A-H, 5035A-L.)

**North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. (Inorganic Parameters:** SM2310B, 2320B, 4500CI-E, 4500Cn-E, 9014, Lachat 10-204-00-1-X, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311,1312. **Organic Parameters:** 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.)

*Drinking Water Program Certificate/Lab ID:* 25700. (**Inorganic Parameters:** Chloride EPA 300.0. **Organic Parameters:** 524.2)

**Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. NELAP Accredited.**

*Drinking Water (Inorganic Parameters:* 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H+-B, 4500NO3-F, 5310C. **Organic Parameters:** EPA 524.2, 504.1)

*Non-Potable Water (Inorganic Parameters:* EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500CI-E, 4500F-B, 4500F-C, 4500H+-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. **Organic Parameters:** EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, NJ-EPH.)

*Solid & Hazardous Waste (Inorganic Parameters:* EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. **Organic Parameters:** 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, NJ-EPH.)

**Rhode Island Department of Health Certificate/Lab ID:** LAO00065. **NELAP Accredited via NJ-DEP.**

Refer to MA-DEP Certificate for Potable and Non-Potable Water.

Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

**Texas Commission on Environmental Quality Certificate/Lab ID:** T104704476. **NELAP Accredited.**

*Non-Potable Water (Inorganic Parameters:* EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 S<sup>2-</sup> D, 510C, 5210B, 5220D, 5310C, 5540C. **Organic Parameters:** EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

*Solid & Hazardous Waste (Inorganic Parameters:* EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

**Virginia Division of Consolidated Laboratory Services Certificate/Lab ID:** 460195. **NELAP Accredited.**

*Drinking Water (Inorganic Parameters:* EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.2, 2320B, 4500F-C, 4500NO3-F, 5310C. **Organic Parameters:** EPA 504.1, 524.2.)

*Non-Potable Water (Inorganic Parameters:* EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X, 7196A, 7470A, 9010B, 9040B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CI-E, 4500F-B, 4500F-C, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C. **Organic Parameters:** EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330, )

*Solid & Hazardous Waste (Inorganic Parameters:* EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9030B, 9010B, 9012A, 9014 9040B, 9045C, 9050A, 9065. **Organic Parameters:** EPA 5030B, 5035, 3540C, 3546, 355B0, 3580A, 3630C, 6020A, 8260B, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.)

**Department of Defense, L-A-B Certificate/Lab ID:** L2217.

*Drinking Water (Inorganic Parameters:* SM 4500H-B. **Organic Parameters:** EPA 524.2, 504.1.)

*Non-Potable Water (Inorganic Parameters:* EPA 200.7, 200.8, 6010B, 6010C, 6020, 6020A, 245.1, 245.2, 7470A, 9040B, 9010B, 180.1. 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 4500CL-D, 5220D, 5310C, 2130B, 2320B, 2540C, 3005A, 3015, 9010B, 9056, 7196A, 3500-Cr-D. **Organic Parameters:** EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330A, 8082, 8082A, 8081A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

8270D, 8270C-SIM, 8270D-SIM, 8330A/B-prep, 8082, 8082A, 8081A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

**The following analytes are not included in our current NELAP/TNI Scope of Accreditation:**

**EPA 8260B:** Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnaphthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO<sub>2</sub> in a soil matrix, NO<sub>3</sub> in a soil matrix. **EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.





## ANALYTICAL REPORT

Lab Number:	L1303280
Client:	Impact Environmental 170 Keyland Ct Bohemia, NY 11716
ATTN:	Ben Hernandez-Salazar
Phone:	(631) 269-8800
Project Name:	COMPASS RESIDENCES
Project Number:	5197-01-03-3001
Report Date:	03/04/13

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Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

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Eight Walkup Drive, Westborough, MA 01581-1019  
508-898-9220 (Fax) 508-898-9193 800-624-9220 - [www.alphalab.com](http://www.alphalab.com)



**Project Name:** COMPASS RESIDENCES  
**Project Number:** 5197-01-03-3001

**Lab Number:** L1303280  
**Report Date:** 03/04/13

<b>Alpha Sample ID</b>	<b>Client ID</b>	<b>Sample Location</b>	<b>Collection Date/Time</b>
L1303280-01	SB-3 (0-2') GRAB	1471 WEST FARMS RD, BRONX NY	02/25/13 09:30
L1303280-02	SB-3 (2-4') GRAB	1471 WEST FARMS RD, BRONX NY	02/25/13 09:30

**Project Name:** COMPASS RESIDENCES  
**Project Number:** 5197-01-03-3001

**Lab Number:** L1303280  
**Report Date:** 03/04/13

### Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

#### HOLD POLICY

For samples submitted on hold, Alpha's policy is to hold samples free of charge for 30 days from the date the project is completed. After 30 days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

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**Project Name:** COMPASS RESIDENCES  
**Project Number:** 5197-01-03-3001

**Lab Number:** L1303280  
**Report Date:** 03/04/13

### Case Narrative (continued)

#### Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

#### Volatile Organics

Any reported concentrations that are below 200ug/kg may be biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

The surrogate recoveries for L1303280-01 and -02 are below the acceptance criteria for Dibromofluoromethane (54% and 61%, respectively), due to a known matrix effect caused by the high pH of the samples (>10).

#### Semivolatile Organics

L1303280-01 and -02 have elevated detection limits due to the dilutions required by the sample matrix.

#### Pesticides

The dual column RPD for L1303280-01 is above the acceptance criteria for cis-Chlordane; however, obvious column interferences are present. Due to these interferences, the lower of the two results is reported and qualified with a "P".

The dual column RPD for L1303280-01 is above the acceptance criteria for Dieldrin; however, no obvious column interferences are present. The higher of the two results is reported and qualified with a "P".

The dual column RPD for L1303280-02 is above the acceptance criteria for 4,4'-DDT; however, obvious column interferences are present. Due to these interferences, the lower of the two results is reported and qualified with a "P".

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:  Elizabeth Simmons

Title: Technical Director/Representative

Date: 03/04/13

# ORGANICS

# VOLATILES

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1303280**Project Number:** 5197-01-03-3001**Report Date:** 03/04/13**SAMPLE RESULTS**

Lab ID: L1303280-01  
 Client ID: SB-3 (0-2') GRAB  
 Sample Location: 1471 WEST FARMS RD, BRONX NY  
 Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 02/28/13 23:29  
 Analyst: JC  
 Percent Solids: 85%

Date Collected: 02/25/13 09:30  
 Date Received: 02/26/13  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	12	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.35	1
Chloroform	ND		ug/kg	1.8	0.38	1
Carbon tetrachloride	ND		ug/kg	1.2	0.25	1
Tetrachloroethene	ND		ug/kg	1.2	0.36	1
Chlorobenzene	ND		ug/kg	1.2	0.22	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.27	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.32	1
Benzene	ND		ug/kg	1.2	0.35	1
Toluene	0.37	J	ug/kg	1.8	0.28	1
Ethylbenzene	ND		ug/kg	1.2	0.26	1
Vinyl chloride	ND		ug/kg	2.4	0.89	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.30	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.46	1
Trichloroethene	ND		ug/kg	1.2	0.26	1
1,2-Dichlorobenzene	ND		ug/kg	5.9	0.43	1
1,3-Dichlorobenzene	ND		ug/kg	5.9	0.47	1
1,4-Dichlorobenzene	ND		ug/kg	5.9	0.49	1
Methyl tert butyl ether	ND		ug/kg	2.4	0.57	1
p/m-Xylene	ND		ug/kg	2.4	0.50	1
o-Xylene	ND		ug/kg	2.4	0.49	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.35	1
Acetone	11	J	ug/kg	12	3.8	1
2-Butanone	ND		ug/kg	12	4.6	1
n-Butylbenzene	ND		ug/kg	1.2	0.37	1
sec-Butylbenzene	ND		ug/kg	1.2	0.32	1
tert-Butylbenzene	ND		ug/kg	5.9	0.71	1
n-Propylbenzene	ND		ug/kg	1.2	0.33	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.9	0.71	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.9	0.67	1
1,4-Dioxane	ND		ug/kg	120	20.	1

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1303280**Project Number:** 5197-01-03-3001**Report Date:** 03/04/13**SAMPLE RESULTS**

Lab ID: L1303280-01

Date Collected: 02/25/13 09:30

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

Date Received: 02/26/13

Sample Location: 1471 WEST FARMS RD, BRONX NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	54	Q	70-130

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1303280**Project Number:** 5197-01-03-3001**Report Date:** 03/04/13**SAMPLE RESULTS**

**Lab ID:** L1303280-02  
**Client ID:** SB-3 (2-4') GRAB  
**Sample Location:** 1471 WEST FARMS RD, BRONX NY  
**Matrix:** Soil  
**Analytical Method:** 1,8260C  
**Analytical Date:** 03/01/13 00:04  
**Analyst:** JC  
**Percent Solids:** 83%

**Date Collected:** 02/25/13 09:30  
**Date Received:** 02/26/13  
**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	12	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.36	1
Chloroform	ND		ug/kg	1.8	0.39	1
Carbon tetrachloride	ND		ug/kg	1.2	0.25	1
Tetrachloroethene	ND		ug/kg	1.2	0.37	1
Chlorobenzene	ND		ug/kg	1.2	0.22	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.27	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.32	1
Benzene	ND		ug/kg	1.2	0.36	1
Toluene	0.31	J	ug/kg	1.8	0.29	1
Ethylbenzene	ND		ug/kg	1.2	0.27	1
Vinyl chloride	ND		ug/kg	2.4	0.91	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.31	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.47	1
Trichloroethene	ND		ug/kg	1.2	0.27	1
1,2-Dichlorobenzene	ND		ug/kg	6.0	0.44	1
1,3-Dichlorobenzene	ND		ug/kg	6.0	0.48	1
1,4-Dichlorobenzene	ND		ug/kg	6.0	0.50	1
Methyl tert butyl ether	ND		ug/kg	2.4	0.59	1
p/m-Xylene	ND		ug/kg	2.4	0.52	1
o-Xylene	ND		ug/kg	2.4	0.50	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.36	1
Acetone	ND		ug/kg	12	3.9	1
2-Butanone	ND		ug/kg	12	4.7	1
n-Butylbenzene	ND		ug/kg	1.2	0.38	1
sec-Butylbenzene	ND		ug/kg	1.2	0.33	1
tert-Butylbenzene	ND		ug/kg	6.0	0.73	1
n-Propylbenzene	ND		ug/kg	1.2	0.34	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.0	0.72	1
1,2,4-Trimethylbenzene	ND		ug/kg	6.0	0.69	1
1,4-Dioxane	ND		ug/kg	120	21.	1

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1303280**Project Number:** 5197-01-03-3001**Report Date:** 03/04/13**SAMPLE RESULTS**

Lab ID: L1303280-02

Date Collected: 02/25/13 09:30

Client ID: SB-3 (2-4') GRAB

Date Received: 02/26/13

Sample Location: 1471 WEST FARMS RD, BRONX NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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## Volatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	61	Q	70-130

**Project Name:** COMPASS RESIDENCES  
**Project Number:** 5197-01-03-3001

**Lab Number:** L1303280  
**Report Date:** 03/04/13

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260C  
Analytical Date: 02/28/13 16:28  
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG592609-3					
Methylene chloride	ND		ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.30
Chloroform	ND		ug/kg	1.5	0.32
Carbon tetrachloride	ND		ug/kg	1.0	0.21
Tetrachloroethene	ND		ug/kg	1.0	0.31
Chlorobenzene	ND		ug/kg	1.0	0.19
1,2-Dichloroethane	ND		ug/kg	1.0	0.23
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.27
Benzene	ND		ug/kg	1.0	0.30
Toluene	ND		ug/kg	1.5	0.24
Ethylbenzene	ND		ug/kg	1.0	0.22
Vinyl chloride	ND		ug/kg	2.0	0.75
1,1-Dichloroethene	ND		ug/kg	1.0	0.26
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.39
Trichloroethene	ND		ug/kg	1.0	0.22
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.36
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.40
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.42
Methyl tert butyl ether	ND		ug/kg	2.0	0.49
p/m-Xylene	ND		ug/kg	2.0	0.43
o-Xylene	ND		ug/kg	2.0	0.42
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.30
Acetone	ND		ug/kg	10	3.2
2-Butanone	ND		ug/kg	10	3.9
n-Butylbenzene	ND		ug/kg	1.0	0.31
sec-Butylbenzene	ND		ug/kg	1.0	0.28
tert-Butylbenzene	ND		ug/kg	5.0	0.60
n-Propylbenzene	ND		ug/kg	1.0	0.28
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.60
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
1,4-Dioxane	ND		ug/kg	100	17.

Project Name: COMPASS RESIDENCES

Lab Number: L1303280

Project Number: 5197-01-03-3001

Report Date: 03/04/13

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260C  
 Analytical Date: 02/28/13 16:28  
 Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG592609-3					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	111		70-130
Dibromofluoromethane	95		70-130

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: COMPASS RESIDENCES

Lab Number: L1303280

Project Number: 5197-01-03-3001

Report Date: 03/04/13

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG592609-1 WG592609-2								
Methylene chloride	88		93		70-130	6		30
1,1-Dichloroethane	93		98		70-130	5		30
Chloroform	93		98		70-130	5		30
Carbon tetrachloride	98		103		70-130	5		30
1,2-Dichloropropane	94		100		70-130	6		30
Dibromochloromethane	95		101		70-130	6		30
2-Chloroethylvinyl ether	96		104			8		30
1,1,2-Trichloroethane	94		101		70-130	7		30
Tetrachloroethene	96		101		70-130	5		30
Chlorobenzene	94		100		70-130	6		30
Trichlorofluoromethane	88		92		70-139	4		30
1,2-Dichloroethane	91		96		70-130	5		30
1,1,1-Trichloroethane	92		97		70-130	5		30
Bromodichloromethane	93		98		70-130	5		30
trans-1,3-Dichloropropene	85		92		70-130	8		30
cis-1,3-Dichloropropene	94		101		70-130	7		30
1,1-Dichloropropene	95		99		70-130	4		30
Bromoform	96		103		70-130	7		30
1,1,2,2-Tetrachloroethane	93		100		70-130	7		30
Benzene	94		99		70-130	5		30
Toluene	93		100		70-130	7		30

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: COMPASS RESIDENCES

Lab Number: L1303280

Project Number: 5197-01-03-3001

Report Date: 03/04/13

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG592609-1 WG592609-2								
Ethylbenzene	94		99		70-130	5		30
Chloromethane	87		94		52-130	8		30
Bromomethane	90		97		57-147	7		30
Vinyl chloride	95		99		67-130	4		30
Chloroethane	101		103		50-151	2		30
1,1-Dichloroethene	89		94		65-135	5		30
trans-1,2-Dichloroethene	94		99		70-130	5		30
Trichloroethene	94		99		70-130	5		30
1,2-Dichlorobenzene	94		98		70-130	4		30
1,3-Dichlorobenzene	95		99		70-130	4		30
1,4-Dichlorobenzene	95		99		70-130	4		30
Methyl tert butyl ether	91		98		66-130	7		30
p/m-Xylene	95		100		70-130	5		30
o-Xylene	95		101		70-130	6		30
cis-1,2-Dichloroethene	92		100		70-130	8		30
Dibromomethane	90		97		70-130	7		30
Styrene	95		102		70-130	7		30
Dichlorodifluoromethane	67		72		30-146	7		30
Acetone	130		132		54-140	2		30
Carbon disulfide	92		97		59-130	5		30
2-Butanone	116		122		70-130	5		30

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: COMPASS RESIDENCES

Lab Number: L1303280

Project Number: 5197-01-03-3001

Report Date: 03/04/13

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG592609-1 WG592609-2								
Vinyl acetate	115		122		70-130	6		30
4-Methyl-2-pentanone	91		101		70-130	10		30
1,2,3-Trichloropropane	92		100		68-130	8		30
2-Hexanone	98		106		70-130	8		30
Bromochloromethane	89		95		70-130	7		30
2,2-Dichloropropane	96		99		70-130	3		30
1,2-Dibromoethane	92		100		70-130	8		30
1,3-Dichloropropane	93		100		69-130	7		30
1,1,1,2-Tetrachloroethane	98		105		70-130	7		30
Bromobenzene	94		99		70-130	5		30
n-Butylbenzene	100		104		70-130	4		30
sec-Butylbenzene	98		101		70-130	3		30
tert-Butylbenzene	96		99		70-130	3		30
o-Chlorotoluene	96		99		70-130	3		30
p-Chlorotoluene	95		98		70-130	3		30
1,2-Dibromo-3-chloropropane	87		95		68-130	9		30
Hexachlorobutadiene	96		99		67-130	3		30
Isopropylbenzene	94		100		70-130	6		30
p-Isopropyltoluene	98		101		70-130	3		30
Naphthalene	94		101		70-130	7		30
Acrylonitrile	92		101		70-130	9		30

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: COMPASS RESIDENCES

Lab Number: L1303280

Project Number: 5197-01-03-3001

Report Date: 03/04/13

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG592609-1 WG592609-2								
Isopropyl Ether	94		100		66-130	6		30
tert-Butyl Alcohol	89		95		70-130	7		30
n-Propylbenzene	68	Q	70		70-130	3		30
1,2,3-Trichlorobenzene	98		104		70-130	6		30
1,2,4-Trichlorobenzene	100		104		70-130	4		30
1,3,5-Trimethylbenzene	97		100		70-130	3		30
1,2,4-Trimethylbenzene	97		100		70-130	3		30
Methyl Acetate	88		95		70-130	8		30
Ethyl Acetate	96		103		70-130	7		30
Acrolein	390	Q	431	Q	70-130	10		30
Cyclohexane	97		102		70-130	5		30
1,4-Dioxane	92		104		65-136	12		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	94		98		70-130	4		30
1,4-Diethylbenzene	98		102		70-130	4		30
4-Ethyltoluene	97		100		70-130	3		30
1,2,4,5-Tetramethylbenzene	100		104		70-130	4		30
Tetrahydrofuran	91		100		66-130	9		30
Ethyl ether	88		95		67-130	8		30
trans-1,4-Dichloro-2-butene	101		111		70-130	9		30
Methyl cyclohexane	99		104		70-130	5		30
Ethyl-Tert-Butyl-Ether	94		100		70-130	6		30

### Lab Control Sample Analysis Batch Quality Control

**Project Name:** COMPASS RESIDENCES  
**Project Number:** 5197-01-03-3001

**Lab Number:** L1303280  
**Report Date:** 03/04/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG592609-1 WG592609-2								
Tertiary-Amyl Methyl Ether	93		99		70-130	6		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	114		96		70-130
Toluene-d8	120		110		70-130
4-Bromofluorobenzene	124		113		70-130
Dibromofluoromethane	118		101		70-130

# SEMIVOLATILES

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1303280**Project Number:** 5197-01-03-3001**Report Date:** 03/04/13**SAMPLE RESULTS**

Lab ID: L1303280-01 D  
 Client ID: SB-3 (0-2') GRAB  
 Sample Location: 1471 WEST FARMS RD, BRONX NY  
 Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 03/01/13 14:04  
 Analyst: RC  
 Percent Solids: 85%

Date Collected: 02/25/13 09:30  
 Date Received: 02/26/13  
 Field Prep: Not Specified  
 Extraction Method: EPA 3546  
 Extraction Date: 02/27/13 17:57

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	ND		ug/kg	310	84.	2
Hexachlorobenzene	ND		ug/kg	230	61.	2
Fluoranthene	450		ug/kg	230	51.	2
Naphthalene	ND		ug/kg	390	120	2
Benzo(a)anthracene	240		ug/kg	230	77.	2
Benzo(a)pyrene	230	J	ug/kg	310	93.	2
Benzo(b)fluoranthene	270		ug/kg	230	69.	2
Benzo(k)fluoranthene	130	J	ug/kg	230	60.	2
Chrysene	230		ug/kg	230	61.	2
Acenaphthylene	ND		ug/kg	310	100	2
Anthracene	69	J	ug/kg	230	54.	2
Benzo(ghi)perylene	140	J	ug/kg	310	99.	2
Fluorene	ND		ug/kg	390	72.	2
Phenanthrene	250		ug/kg	230	65.	2
Dibenzo(a,h)anthracene	ND		ug/kg	230	72.	2
Indeno(1,2,3-cd)pyrene	120	J	ug/kg	310	95.	2
Pyrene	450		ug/kg	230	64.	2
Dibenzofuran	ND		ug/kg	390	80.	2
Pentachlorophenol	ND		ug/kg	310	93.	2
Phenol	ND		ug/kg	390	120	2
2-Methylphenol	ND		ug/kg	390	96.	2
3-Methylphenol/4-Methylphenol	ND		ug/kg	560	170	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	18	Q	25-120
Phenol-d6	51		10-120
Nitrobenzene-d5	80		23-120
2-Fluorobiphenyl	65		30-120
2,4,6-Tribromophenol	13		0-136
4-Terphenyl-d14	51		18-120

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1303280**Project Number:** 5197-01-03-3001**Report Date:** 03/04/13**SAMPLE RESULTS**

**Lab ID:** L1303280-02 D  
**Client ID:** SB-3 (2-4') GRAB  
**Sample Location:** 1471 WEST FARMS RD, BRONX NY  
**Matrix:** Soil  
**Analytical Method:** 1,8270D  
**Analytical Date:** 03/01/13 14:28  
**Analyst:** RC  
**Percent Solids:** 83%

**Date Collected:** 02/25/13 09:30  
**Date Received:** 02/26/13  
**Field Prep:** Not Specified  
**Extraction Method:** EPA 3546  
**Extraction Date:** 02/27/13 17:57

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	ND		ug/kg	310	84.	2
Hexachlorobenzene	ND		ug/kg	230	61.	2
Fluoranthene	380		ug/kg	230	51.	2
Naphthalene	ND		ug/kg	390	120	2
Benzo(a)anthracene	200	J	ug/kg	230	77.	2
Benzo(a)pyrene	200	J	ug/kg	310	93.	2
Benzo(b)fluoranthene	240		ug/kg	230	69.	2
Benzo(k)fluoranthene	110	J	ug/kg	230	60.	2
Chrysene	190	J	ug/kg	230	61.	2
Acenaphthylene	ND		ug/kg	310	100	2
Anthracene	ND		ug/kg	230	54.	2
Benzo(ghi)perylene	120	J	ug/kg	310	99.	2
Fluorene	ND		ug/kg	390	72.	2
Phenanthrene	200	J	ug/kg	230	65.	2
Dibenzo(a,h)anthracene	ND		ug/kg	230	72.	2
Indeno(1,2,3-cd)pyrene	110	J	ug/kg	310	95.	2
Pyrene	360		ug/kg	230	64.	2
Dibenzofuran	ND		ug/kg	390	80.	2
Pentachlorophenol	ND		ug/kg	310	92.	2
Phenol	ND		ug/kg	390	120	2
2-Methylphenol	ND		ug/kg	390	96.	2
3-Methylphenol/4-Methylphenol	ND		ug/kg	560	170	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	10	Q	25-120
Phenol-d6	34		10-120
Nitrobenzene-d5	63		23-120
2-Fluorobiphenyl	60		30-120
2,4,6-Tribromophenol	4		0-136
4-Terphenyl-d14	59		18-120

**Project Name:** COMPASS RESIDENCES  
**Project Number:** 5197-01-03-3001

**Lab Number:** L1303280  
**Report Date:** 03/04/13

**Method Blank Analysis**  
**Batch Quality Control**

**Analytical Method:** 1,8270D  
**Analytical Date:** 03/01/13 09:25  
**Analyst:** RC

**Extraction Method:** EPA 3546  
**Extraction Date:** 02/27/13 17:57

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG592310-1					
Acenaphthene	ND		ug/kg	130	36.
Hexachlorobenzene	ND		ug/kg	99	26.
Fluoranthene	ND		ug/kg	99	22.
Naphthalene	ND		ug/kg	160	53.
Benzo(a)anthracene	ND		ug/kg	99	33.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	99	29.
Benzo(k)fluoranthene	ND		ug/kg	99	26.
Chrysene	ND		ug/kg	99	26.
Acenaphthylene	ND		ug/kg	130	43.
Anthracene	ND		ug/kg	99	23.
Benzo(ghi)perylene	ND		ug/kg	130	42.
Fluorene	ND		ug/kg	160	30.
Phenanthrene	ND		ug/kg	99	28.
Dibenzo(a,h)anthracene	ND		ug/kg	99	31.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	40.
Pyrene	ND		ug/kg	99	27.
Dibenzofuran	ND		ug/kg	160	34.
Pentachlorophenol	ND		ug/kg	130	39.
Phenol	ND		ug/kg	160	52.
2-Methylphenol	ND		ug/kg	160	41.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	72.

Tentatively Identified Compounds

No Tentatively Identified Compounds      ND      ug/kg

Project Name: COMPASS RESIDENCES

Lab Number: L1303280

Project Number: 5197-01-03-3001

Report Date: 03/04/13

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8270D  
 Analytical Date: 03/01/13 09:25  
 Analyst: RC

Extraction Method: EPA 3546  
 Extraction Date: 02/27/13 17:57

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG592310-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	85		25-120
Phenol-d6	81		10-120
Nitrobenzene-d5	81		23-120
2-Fluorobiphenyl	83		30-120
2,4,6-Tribromophenol	106		0-136
4-Terphenyl-d14	103		18-120

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: COMPASS RESIDENCES

Lab Number: L1303280

Project Number: 5197-01-03-3001

Report Date: 03/04/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG592310-2 WG592310-3								
Acenaphthene	88		83		31-137	6		50
1,2,4-Trichlorobenzene	88		79		38-107	11		50
Hexachlorobenzene	109		106		40-140	3		50
Bis(2-chloroethyl)ether	79		71		40-140	11		50
2-Chloronaphthalene	96		88		40-140	9		50
1,2-Dichlorobenzene	87		78		40-140	11		50
1,3-Dichlorobenzene	87		74		40-140	16		50
1,4-Dichlorobenzene	86		75		28-104	14		50
3,3'-Dichlorobenzidine	72		61		40-140	17		50
2,4-Dinitrotoluene	127	Q	124	Q	28-89	2		50
2,6-Dinitrotoluene	123		119		40-140	3		50
Fluoranthene	112		108		40-140	4		50
4-Chlorophenyl phenyl ether	101		93		40-140	8		50
4-Bromophenyl phenyl ether	109		105		40-140	4		50
Bis(2-chloroisopropyl)ether	67		58		40-140	14		50
Bis(2-chloroethoxy)methane	85		77		40-117	10		50
Hexachlorobutadiene	95		82		40-140	15		50
Hexachlorocyclopentadiene	69		61		40-140	12		50
Hexachloroethane	89		77		40-140	14		50
Isophorone	94		86		40-140	9		50
Naphthalene	89		78		40-140	13		50

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: COMPASS RESIDENCES

Lab Number: L1303280

Project Number: 5197-01-03-3001

Report Date: 03/04/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG592310-2 WG592310-3								
Nitrobenzene	91		80		40-140	13		50
NitrosoDiPhenylAmine(NDPA)/DPA	108		104			4		50
n-Nitrosodi-n-propylamine	89		82		32-121	8		50
Bis(2-Ethylhexyl)phthalate	118		111		40-140	6		50
Butyl benzyl phthalate	126		123		40-140	2		50
Di-n-butylphthalate	124		120		40-140	3		50
Di-n-octylphthalate	113		105		40-140	7		50
Diethyl phthalate	112		108		40-140	4		50
Dimethyl phthalate	106		100		40-140	6		50
Benzo(a)anthracene	109		102		40-140	7		50
Benzo(a)pyrene	112		107		40-140	5		50
Benzo(b)fluoranthene	102		108		40-140	6		50
Benzo(k)fluoranthene	106		91		40-140	15		50
Chrysene	97		90		40-140	7		50
Acenaphthylene	104		97		40-140	7		50
Anthracene	105		102		40-140	3		50
Benzo(ghi)perylene	109		102		40-140	7		50
Fluorene	101		94		40-140	7		50
Phenanthrene	96		92		40-140	4		50
Dibenzo(a,h)anthracene	108		102		40-140	6		50
Indeno(1,2,3-cd)Pyrene	112		106		40-140	6		50

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: COMPASS RESIDENCES

Lab Number: L1303280

Project Number: 5197-01-03-3001

Report Date: 03/04/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG592310-2 WG592310-3								
Pyrene	109		105		35-142	4		50
Biphenyl	92		84			9		50
4-Chloroaniline	49		40		40-140	20		50
2-Nitroaniline	122		115		47-134	6		50
3-Nitroaniline	76		67		26-129	13		50
4-Nitroaniline	126	Q	120		41-125	5		50
Dibenzofuran	95		89		40-140	7		50
2-Methylnaphthalene	94		83		40-140	12		50
1,2,4,5-Tetrachlorobenzene	93		84		40-117	10		50
Acetophenone	102		92		14-144	10		50
2,4,6-Trichlorophenol	107		102		30-130	5		50
P-Chloro-M-Cresol	117	Q	111	Q	26-103	5		50
2-Chlorophenol	99		88		25-102	12		50
2,4-Dichlorophenol	106		97		30-130	9		50
2,4-Dimethylphenol	103		93		30-130	10		50
2-Nitrophenol	112		103		30-130	8		50
4-Nitrophenol	110		108		11-114	2		50
2,4-Dinitrophenol	82		85		4-130	4		50
4,6-Dinitro-o-cresol	138	Q	132	Q	10-130	4		50
Pentachlorophenol	80		81		17-109	1		50
Phenol	93	Q	83		26-90	11		50

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: COMPASS RESIDENCES

Lab Number: L1303280

Project Number: 5197-01-03-3001

Report Date: 03/04/13

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG592310-2 WG592310-3								
2-Methylphenol	97		89		30-130.	9		50
3-Methylphenol/4-Methylphenol	97		90		30-130	7		50
2,4,5-Trichlorophenol	111		109		30-130	2		50
Benzoic Acid	30		34			13		50
Benzyl Alcohol	94		85		40-140	10		50
Carbazole	107		104		54-128	3		50

Surrogate	LCS		LCSD		Acceptance Criteria
	%Recovery	Qual	%Recovery	Qual	
2-Fluorophenol	92		82		25-120
Phenol-d6	92		84		10-120
Nitrobenzene-d5	94		85		23-120
2-Fluorobiphenyl	90		83		30-120
2,4,6-Tribromophenol	111		110		0-136
4-Terphenyl-d14	102		99		18-120

# PCBS

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1303280**Project Number:** 5197-01-03-3001**Report Date:** 03/04/13**SAMPLE RESULTS**

**Lab ID:** L1303280-01  
**Client ID:** SB-3 (0-2') GRAB  
**Sample Location:** 1471 WEST FARMS RD, BRONX NY  
**Matrix:** Soil  
**Analytical Method:** 1,8082A  
**Analytical Date:** 02/28/13 14:02  
**Analyst:** JW  
**Percent Solids:** 85%

**Date Collected:** 02/25/13 09:30  
**Date Received:** 02/26/13  
**Field Prep:** Not Specified  
**Extraction Method:** EPA 3546  
**Extraction Date:** 02/27/13 16:02  
**Cleanup Method1:** EPA 3665A  
**Cleanup Date1:** 02/28/13  
**Cleanup Method2:** EPA 3660B  
**Cleanup Date2:** 02/28/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1016	ND		ug/kg	37.6	7.42	1
Aroclor 1221	ND		ug/kg	37.6	11.3	1
Aroclor 1232	ND		ug/kg	37.6	7.98	1
Aroclor 1242	ND		ug/kg	37.6	7.13	1
Aroclor 1248	ND		ug/kg	37.6	4.54	1
Aroclor 1254	ND		ug/kg	37.6	5.92	1
Aroclor 1260	ND		ug/kg	37.6	6.52	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	71		30-150
Decachlorobiphenyl	70		30-150
2,4,5,6-Tetrachloro-m-xylene	72		30-150
Decachlorobiphenyl	73		30-150

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1303280**Project Number:** 5197-01-03-3001**Report Date:** 03/04/13**SAMPLE RESULTS**

**Lab ID:** L1303280-02  
**Client ID:** SB-3 (2-4') GRAB  
**Sample Location:** 1471 WEST FARMS RD, BRONX NY  
**Matrix:** Soil  
**Analytical Method:** 1,8082A  
**Analytical Date:** 02/28/13 14:16  
**Analyst:** JW  
**Percent Solids:** 83%

**Date Collected:** 02/25/13 09:30  
**Date Received:** 02/26/13  
**Field Prep:** Not Specified  
**Extraction Method:** EPA 3546  
**Extraction Date:** 02/27/13 16:02  
**Cleanup Method1:** EPA 3665A  
**Cleanup Date1:** 02/28/13  
**Cleanup Method2:** EPA 3660B  
**Cleanup Date2:** 02/28/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1016	ND		ug/kg	39.2	7.74	1
Aroclor 1221	ND		ug/kg	39.2	11.8	1
Aroclor 1232	ND		ug/kg	39.2	8.32	1
Aroclor 1242	ND		ug/kg	39.2	7.43	1
Aroclor 1248	ND		ug/kg	39.2	4.74	1
Aroclor 1254	ND		ug/kg	39.2	6.17	1
Aroclor 1260	ND		ug/kg	39.2	6.80	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	84		30-150
Decachlorobiphenyl	75		30-150
2,4,5,6-Tetrachloro-m-xylene	83		30-150
Decachlorobiphenyl	78		30-150

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1303280**Project Number:** 5197-01-03-3001**Report Date:** 03/04/13

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8082A  
 Analytical Date: 02/28/13 12:13  
 Analyst: JW

Extraction Method: EPA 3546  
 Extraction Date: 02/27/13 16:02  
 Cleanup Method1: EPA 3665A  
 Cleanup Date1: 02/28/13  
 Cleanup Method2: EPA 3660B  
 Cleanup Date2: 02/28/13

Parameter	Result	Qualifier	Units	RL	MDL
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-02 Batch: WG592286-1					
Aroclor 1016	ND		ug/kg	32.7	6.47
Aroclor 1221	ND		ug/kg	32.7	9.88
Aroclor 1232	ND		ug/kg	32.7	6.96
Aroclor 1242	ND		ug/kg	32.7	6.21
Aroclor 1248	ND		ug/kg	32.7	3.96
Aroclor 1254	ND		ug/kg	32.7	5.16
Aroclor 1260	ND		ug/kg	32.7	5.68

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	81		30-150
Decachlorobiphenyl	66		30-150
2,4,5,6-Tetrachloro-m-xylene	79		30-150
Decachlorobiphenyl	78		30-150

### Lab Control Sample Analysis Batch Quality Control

**Project Name:** COMPASS RESIDENCES  
**Project Number:** 5197-01-03-3001

**Lab Number:** L1303280  
**Report Date:** 03/04/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG592286-2 WG592286-3								
Aroclor 1016	82		84		40-140	2		50
Aroclor 1260	73		75		40-140	3		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	90		93		30-150
Decachlorobiphenyl	75		77		30-150
2,4,5,6-Tetrachloro-m-xylene	88		91		30-150
Decachlorobiphenyl	86		85		30-150

# PESTICIDES

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1303280**Project Number:** 5197-01-03-3001**Report Date:** 03/04/13**SAMPLE RESULTS**

**Lab ID:** L1303280-01  
**Client ID:** SB-3 (0-2') GRAB  
**Sample Location:** 1471 WEST FARMS RD, BRONX NY  
**Matrix:** Soil  
**Analytical Method:** 1,8081B  
**Analytical Date:** 03/04/13 08:16  
**Analyst:** BW  
**Percent Solids:** 85%

**Date Collected:** 02/25/13 09:30  
**Date Received:** 02/26/13  
**Field Prep:** Not Specified  
**Extraction Method:** EPA 3546  
**Extraction Date:** 02/28/13 00:25  
**Cleanup Method1:** EPA 3620B  
**Cleanup Date1:** 03/01/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Organochlorine Pesticides by GC - Westborough Lab</b>						
4,4'-DDT	2.24	J	ug/kg	3.41	1.46	1
cis-Chlordane	1.55	JP	ug/kg	2.28	0.634	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	104		30-150	A
Decachlorobiphenyl	90		30-150	A
2,4,5,6-Tetrachloro-m-xylene	91		30-150	B
Decachlorobiphenyl	97		30-150	B

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1303280**Project Number:** 5197-01-03-3001**Report Date:** 03/04/13**SAMPLE RESULTS**

**Lab ID:** L1303280-01  
**Client ID:** SB-3 (0-2') GRAB  
**Sample Location:** 1471 WEST FARMS RD, BRONX NY  
**Matrix:** Soil  
**Analytical Method:** 1,8081B  
**Analytical Date:** 03/04/13 08:16  
**Analyst:** BW  
**Percent Solids:** 85%

**Date Collected:** 02/25/13 09:30  
**Date Received:** 02/26/13  
**Field Prep:** Not Specified  
**Extraction Method:** EPA 3546  
**Extraction Date:** 02/28/13 00:25  
**Cleanup Method1:** EPA 3620B  
**Cleanup Date1:** 03/01/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Organochlorine Pesticides by GC - Westborough Lab</b>						
Delta-BHC	ND		ug/kg	1.82	0.356	1
Lindane	ND		ug/kg	0.758	0.339	1
Alpha-BHC	ND		ug/kg	0.758	0.215	1
Beta-BHC	ND		ug/kg	1.82	0.690	1
Heptachlor	ND		ug/kg	0.910	0.408	1
Aldrin	ND		ug/kg	1.82	0.641	1
Endrin	ND		ug/kg	0.758	0.311	1
Dieldrin	1.24	P	ug/kg	1.14	0.569	1
4,4'-DDE	4.38		ug/kg	1.82	0.421	1
4,4'-DDD	ND		ug/kg	1.82	0.649	1
Endosulfan I	ND		ug/kg	1.82	0.430	1
Endosulfan II	ND		ug/kg	1.82	0.608	1
Endosulfan sulfate	ND		ug/kg	0.758	0.347	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	104		30-150	A
Decachlorobiphenyl	90		30-150	A
2,4,5,6-Tetrachloro-m-xylene	91		30-150	B
Decachlorobiphenyl	97		30-150	B

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1303280**Project Number:** 5197-01-03-3001**Report Date:** 03/04/13**SAMPLE RESULTS**

**Lab ID:** L1303280-01  
**Client ID:** SB-3 (0-2') GRAB  
**Sample Location:** 1471 WEST FARMS RD, BRONX NY  
**Matrix:** Soil  
**Analytical Method:** 1,8151A  
**Analytical Date:** 03/01/13 09:12  
**Analyst:** SH  
**Percent Solids:** 85%

**Date Collected:** 02/25/13 09:30  
**Date Received:** 02/26/13  
**Field Prep:** Not Specified  
**Extraction Method:** EPA 8151A  
**Extraction Date:** 02/27/13 15:43  
**Methylation Date:** 02/28/13 13:20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Chlorinated Herbicides by GC - Westborough Lab						
2,4,5-TP (Silvex)	ND		ug/kg	196	10.8	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	104		30-150	A
DCAA	18	Q	30-150	B

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1303280**Project Number:** 5197-01-03-3001**Report Date:** 03/04/13**SAMPLE RESULTS**

**Lab ID:** L1303280-02  
**Client ID:** SB-3 (2-4') GRAB  
**Sample Location:** 1471 WEST FARMS RD, BRONX NY  
**Matrix:** Soil  
**Analytical Method:** 1,8081B  
**Analytical Date:** 03/04/13 08:29  
**Analyst:** BW  
**Percent Solids:** 83%

**Date Collected:** 02/25/13 09:30  
**Date Received:** 02/26/13  
**Field Prep:** Not Specified  
**Extraction Method:** EPA 3546  
**Extraction Date:** 02/28/13 00:25  
**Cleanup Method1:** EPA 3620B  
**Cleanup Date1:** 03/01/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab						
4,4'-DDE	2.18		ug/kg	1.85	0.428	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	132		30-150	A
Decachlorobiphenyl	101		30-150	A
2,4,5,6-Tetrachloro-m-xylene	119		30-150	B
Decachlorobiphenyl	115		30-150	B

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1303280**Project Number:** 5197-01-03-3001**Report Date:** 03/04/13**SAMPLE RESULTS**

**Lab ID:** L1303280-02  
**Client ID:** SB-3 (2-4') GRAB  
**Sample Location:** 1471 WEST FARMS RD, BRONX NY  
**Matrix:** Soil  
**Analytical Method:** 1,8081B  
**Analytical Date:** 03/04/13 08:29  
**Analyst:** BW  
**Percent Solids:** 83%

**Date Collected:** 02/25/13 09:30  
**Date Received:** 02/26/13  
**Field Prep:** Not Specified  
**Extraction Method:** EPA 3546  
**Extraction Date:** 02/28/13 00:25  
**Cleanup Method1:** EPA 3620B  
**Cleanup Date1:** 03/01/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Organochlorine Pesticides by GC - Westborough Lab</b>						
Delta-BHC	ND		ug/kg	1.85	0.363	1
Lindane	ND		ug/kg	0.772	0.345	1
Alpha-BHC	ND		ug/kg	0.772	0.219	1
Beta-BHC	ND		ug/kg	1.85	0.702	1
Heptachlor	ND		ug/kg	0.926	0.415	1
Aldrin	ND		ug/kg	1.85	0.652	1
Endrin	ND		ug/kg	0.772	0.316	1
Dieldrin	1.29		ug/kg	1.16	0.579	1
4,4'-DDD	ND		ug/kg	1.85	0.661	1
4,4'-DDT	ND	P	ug/kg	3.47	1.49	1
Endosulfan I	ND		ug/kg	1.85	0.438	1
Endosulfan II	ND		ug/kg	1.85	0.619	1
Endosulfan sulfate	ND		ug/kg	0.772	0.353	1
cis-Chlordane	1.87	J	ug/kg	2.32	0.645	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	132		30-150	A
Decachlorobiphenyl	101		30-150	A
2,4,5,6-Tetrachloro-m-xylene	119		30-150	B
Decachlorobiphenyl	115		30-150	B

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1303280**Project Number:** 5197-01-03-3001**Report Date:** 03/04/13**SAMPLE RESULTS**

**Lab ID:** L1303280-02  
**Client ID:** SB-3 (2-4') GRAB  
**Sample Location:** 1471 WEST FARMS RD, BRONX NY  
**Matrix:** Soil  
**Analytical Method:** 1,8151A  
**Analytical Date:** 03/01/13 11:39  
**Analyst:** SH  
**Percent Solids:** 83%

**Date Collected:** 02/25/13 09:30  
**Date Received:** 02/26/13  
**Field Prep:** Not Specified  
**Extraction Method:** EPA 8151A  
**Extraction Date:** 02/27/13 15:43  
**Methylation Date:** 02/28/13 13:20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Chlorinated Herbicides by GC - Westborough Lab						
2,4,5-TP (Silvex)	ND		ug/kg	197	10.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	99		30-150	A
DCAA	15	Q	30-150	B

Project Name: COMPASS RESIDENCES

Lab Number: L1303280

Project Number: 5197-01-03-3001

Report Date: 03/04/13

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8151A  
 Analytical Date: 03/01/13 06:32  
 Analyst: SH

Extraction Method: EPA 8151A  
 Extraction Date: 02/27/13 15:43

Methylation Date: 02/28/13 13:20

Parameter	Result	Qualifier	Units	RL	MDL
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 01-02 Batch: WG592278-1					
2,4,5-TP (Silvex)	ND		ug/kg	166	9.15

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	86		30-150	A
DCAA	15	Q	30-150	B

**Project Name:** COMPASS RESIDENCES  
**Project Number:** 5197-01-03-3001

**Lab Number:** L1303280  
**Report Date:** 03/04/13

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8081B  
Analytical Date: 03/04/13 08:03  
Analyst: BW

Extraction Method: EPA 3546  
Extraction Date: 02/28/13 00:25  
Cleanup Method1: EPA 3620B  
Cleanup Date1: 03/01/13

Parameter	Result	Qualifier	Units	RL	MDL
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-02 Batch: WG592342-1					
Delta-BHC	ND		ug/kg	1.59	0.312
Lindane	ND		ug/kg	0.663	0.296
Alpha-BHC	ND		ug/kg	0.663	0.188
Beta-BHC	ND		ug/kg	1.59	0.603
Heptachlor	ND		ug/kg	0.796	0.357
Aldrin	ND		ug/kg	1.59	0.560
Endrin	ND		ug/kg	0.663	0.272
Dieldrin	ND		ug/kg	0.995	0.497
4,4'-DDE	ND		ug/kg	1.59	0.368
4,4'-DDD	ND		ug/kg	1.59	0.568
4,4'-DDT	ND		ug/kg	2.98	1.28
Endosulfan I	ND		ug/kg	1.59	0.376
Endosulfan II	ND		ug/kg	1.59	0.532
Endosulfan sulfate	ND		ug/kg	0.663	0.303
cis-Chlordane	ND		ug/kg	1.99	0.554

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	106		30-150	A
Decachlorobiphenyl	105		30-150	A
2,4,5,6-Tetrachloro-m-xylene	95		30-150	B
Decachlorobiphenyl	105		30-150	B

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** COMPASS RESIDENCES  
**Project Number:** 5197-01-03-3001

**Lab Number:** L1303280  
**Report Date:** 03/04/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG592278-2 WG592278-3								
2,4-D	119		123		30-150	3		30
2,4,5-T	100		100		30-150	0		30
2,4,5-TP (Silvex)	96		95		30-150	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	89		91		30-150	A
DCAA	16	Q	16	Q	30-150	B

Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG592342-2 WG592342-3								
Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Delta-BHC	107		97		30-150	10		30
Lindane	109		108		30-150	1		30
Alpha-BHC	109		92		30-150	17		30
Beta-BHC	108		107		30-150	1		30
Heptachlor	112		113		30-150	1		30
Aldrin	111		110		30-150	1		30
Heptachlor epoxide	108		107		30-150	1		30
Endrin	136		131		30-150	4		30
Endrin ketone	96		96		30-150	0		30

## Lab Control Sample Analysis

Batch Quality Control

**Project Name:** COMPASS RESIDENCES  
**Project Number:** 5197-01-03-3001

**Lab Number:** L1303280  
**Report Date:** 03/04/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG592342-2 WG592342-3								
Dieldrin	117		115		30-150	2		30
4,4'-DDE	114		110		30-150	4		30
4,4'-DDD	118		113		30-150	4		30
4,4'-DDT	112		108		30-150	4		30
Endosulfan I	113		110		30-150	3		30
Endosulfan II	115		111		30-150	4		30
Endosulfan sulfate	110		108		30-150	2		30
Methoxychlor	102		99		30-150	3		30
cis-Chlordane	110		108		30-150	2		30
trans-Chlordane	114		114		30-150	0		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	108		108		30-150	A
Decachlorobiphenyl	107		105		30-150	A
2,4,5,6-Tetrachloro-m-xylene	94		98		30-150	B
Decachlorobiphenyl	112		112		30-150	B

## METALS

**Project Name:** COMPASS RESIDENCES  
**Project Number:** 5197-01-03-3001

**Lab Number:** L1303280  
**Report Date:** 03/04/13

**SAMPLE RESULTS**

Lab ID: L1303280-01  
 Client ID: SB-3 (0-2') GRAB  
 Sample Location: 1471 WEST FARMS RD, BRONX NY  
 Matrix: Soil  
 Percent Solids: 85%

Date Collected: 02/25/13 09:30  
 Date Received: 02/26/13  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Westborough Lab</b>											
Arsenic, Total	2.3		mg/kg	0.47	0.14	1	02/28/13 14:58	03/01/13 13:07	EPA 3050B	1,6010C	MG
Barium, Total	91		mg/kg	0.47	0.14	1	02/28/13 14:58	03/01/13 13:07	EPA 3050B	1,6010C	MG
Beryllium, Total	0.37		mg/kg	0.24	0.02	1	02/28/13 14:58	03/01/13 13:07	EPA 3050B	1,6010C	MG
Cadmium, Total	ND		mg/kg	0.47	0.03	1	02/28/13 14:58	03/01/13 13:07	EPA 3050B	1,6010C	MG
Chromium, Total	24		mg/kg	0.47	0.10	1	02/28/13 14:58	03/01/13 13:07	EPA 3050B	1,6010C	MG
Copper, Total	40		mg/kg	0.47	0.24	1	02/28/13 14:58	03/01/13 13:07	EPA 3050B	1,6010C	MG
Lead, Total	62		mg/kg	2.4	0.14	1	02/28/13 14:58	03/01/13 13:07	EPA 3050B	1,6010C	MG
Manganese, Total	240		mg/kg	0.47	0.10	1	02/28/13 14:58	03/01/13 13:07	EPA 3050B	1,6010C	MG
Mercury, Total	0.07	J	mg/kg	0.09	0.02	1	02/28/13 19:15	03/01/13 15:27	EPA 7471B	1,7471B	TT
Nickel, Total	21		mg/kg	1.2	0.19	1	02/28/13 14:58	03/01/13 13:07	EPA 3050B	1,6010C	MG
Selenium, Total	0.97		mg/kg	0.95	0.14	1	02/28/13 14:58	03/01/13 13:07	EPA 3050B	1,6010C	MG
Silver, Total	0.14	J	mg/kg	0.47	0.10	1	02/28/13 14:58	03/01/13 13:07	EPA 3050B	1,6010C	MG
Zinc, Total	120		mg/kg	2.4	0.24	1	02/28/13 14:58	03/01/13 13:07	EPA 3050B	1,6010C	MG



**Project Name:** COMPASS RESIDENCES  
**Project Number:** 5197-01-03-3001

**Lab Number:** L1303280  
**Report Date:** 03/04/13

**SAMPLE RESULTS**

Lab ID: L1303280-02  
 Client ID: SB-3 (2-4') GRAB  
 Sample Location: 1471 WEST FARMS RD, BRONX NY  
 Matrix: Soil  
 Percent Solids: 83%

Date Collected: 02/25/13 09:30  
 Date Received: 02/26/13  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Westborough Lab</b>											
Arsenic, Total	3.1		mg/kg	0.46	0.14	1	02/28/13 14:58	03/01/13 13:10	EPA 3050B	1,6010C	MG
Barium, Total	86		mg/kg	0.46	0.14	1	02/28/13 14:58	03/01/13 13:10	EPA 3050B	1,6010C	MG
Beryllium, Total	0.35		mg/kg	0.23	0.02	1	02/28/13 14:58	03/01/13 13:10	EPA 3050B	1,6010C	MG
Cadmium, Total	ND		mg/kg	0.46	0.03	1	02/28/13 14:58	03/01/13 13:10	EPA 3050B	1,6010C	MG
Chromium, Total	26		mg/kg	0.46	0.09	1	02/28/13 14:58	03/01/13 13:10	EPA 3050B	1,6010C	MG
Copper, Total	39		mg/kg	0.46	0.23	1	02/28/13 14:58	03/01/13 13:10	EPA 3050B	1,6010C	MG
Lead, Total	70		mg/kg	2.3	0.14	1	02/28/13 14:58	03/01/13 13:10	EPA 3050B	1,6010C	MG
Manganese, Total	240		mg/kg	0.46	0.09	1	02/28/13 14:58	03/01/13 13:10	EPA 3050B	1,6010C	MG
Mercury, Total	0.05	J	mg/kg	0.09	0.02	1	02/28/13 19:15	03/01/13 15:28	EPA 7471B	1,7471B	TT
Nickel, Total	21		mg/kg	1.2	0.18	1	02/28/13 14:58	03/01/13 13:10	EPA 3050B	1,6010C	MG
Selenium, Total	0.89	J	mg/kg	0.93	0.14	1	02/28/13 14:58	03/01/13 13:10	EPA 3050B	1,6010C	MG
Silver, Total	0.19	J	mg/kg	0.46	0.09	1	02/28/13 14:58	03/01/13 13:10	EPA 3050B	1,6010C	MG
Zinc, Total	120		mg/kg	2.3	0.23	1	02/28/13 14:58	03/01/13 13:10	EPA 3050B	1,6010C	MG

**Project Name:** COMPASS RESIDENCES  
**Project Number:** 5197-01-03-3001

**Lab Number:** L1303280  
**Report Date:** 03/04/13

## Method Blank Analysis Batch Quality Control

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-02 Batch: WG592232-1									
Mercury, Total	ND	mg/kg	0.08	0.02	1	02/28/13 19:15	03/01/13 15:05	1,7471B	TT

### Prep Information

Digestion Method: EPA 7471B

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-02 Batch: WG592504-1									
Arsenic, Total	ND	mg/kg	0.40	0.12	1	02/28/13 14:58	03/01/13 13:00	1,6010C	MG
Barium, Total	ND	mg/kg	0.40	0.12	1	02/28/13 14:58	03/01/13 13:00	1,6010C	MG
Beryllium, Total	ND	mg/kg	0.20	0.02	1	02/28/13 14:58	03/01/13 13:00	1,6010C	MG
Cadmium, Total	ND	mg/kg	0.40	0.02	1	02/28/13 14:58	03/01/13 13:00	1,6010C	MG
Chromium, Total	ND	mg/kg	0.40	0.08	1	02/28/13 14:58	03/01/13 13:00	1,6010C	MG
Copper, Total	ND	mg/kg	0.40	0.20	1	02/28/13 14:58	03/01/13 13:00	1,6010C	MG
Lead, Total	ND	mg/kg	2.0	0.12	1	02/28/13 14:58	03/01/13 13:00	1,6010C	MG
Manganese, Total	ND	mg/kg	0.40	0.08	1	02/28/13 14:58	03/01/13 13:00	1,6010C	MG
Nickel, Total	ND	mg/kg	1.0	0.16	1	02/28/13 14:58	03/01/13 13:00	1,6010C	MG
Selenium, Total	ND	mg/kg	0.80	0.12	1	02/28/13 14:58	03/01/13 13:00	1,6010C	MG
Silver, Total	ND	mg/kg	0.40	0.08	1	02/28/13 14:58	03/01/13 13:00	1,6010C	MG
Zinc, Total	ND	mg/kg	2.0	0.20	1	02/28/13 14:58	03/01/13 13:00	1,6010C	MG

### Prep Information

Digestion Method: EPA 3050B

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** COMPASS RESIDENCES

**Lab Number:** L1303280

**Project Number:** 5197-01-03-3001

**Report Date:** 03/04/13

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG592232-2 SRM Lot Number: 0518-10-02								
Mercury, Total	102		-		67-133	-		
Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG592504-2								
Arsenic, Total	104		-		75-125	-		
Barium, Total	99		-		75-125	-		
Beryllium, Total	100		-		75-125	-		
Cadmium, Total	101		-		75-125	-		
Chromium, Total	92		-		75-125	-		
Copper, Total	95		-		75-125	-		
Lead, Total	96		-		75-125	-		
Manganese, Total	92		-		75-125	-		
Nickel, Total	90		-		75-125	-		
Selenium, Total	101		-		75-125	-		
Silver, Total	106		-		75-125	-		
Zinc, Total	95		-		75-125	-		

### Matrix Spike Analysis Batch Quality Control

**Project Name:** COMPASS RESIDENCES  
**Project Number:** 5197-01-03-3001

**Lab Number:** L1303280  
**Report Date:** 03/04/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Qual	MSD Found	MSD %Recovery	MSD Qual	Recovery Limits	RPD	RPD Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG592232-4 QC Sample: L1303222-12 Client ID: MS Sample												
Mercury, Total	0.02J	0.179	0.20	112		-	-		70-130	-		35
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG592504-4 QC Sample: L1303222-15 Client ID: MS Sample												
Arsenic, Total	3.2	11.2	15	106		-	-		75-125	-		35
Barium, Total	120	186	340	118		-	-		75-125	-		35
Beryllium, Total	0.53	4.65	5.2	100		-	-		75-125	-		35
Cadmium, Total	ND	4.74	4.4	93		-	-		75-125	-		35
Chromium, Total	21.	18.6	38	91		-	-		75-125	-		35
Copper, Total	21.	23.2	52	133	Q	-	-		75-125	-		35
Lead, Total	110	47.4	270	337	Q	-	-		75-125	-		35
Manganese, Total	430	46.5	200	0	Q	-	-		75-125	-		35
Nickel, Total	13.	46.5	53	86		-	-		75-125	-		35
Selenium, Total	1.4J	11.2	12	108		-	-		75-125	-		35
Silver, Total	54.	27.9	150	344	Q	-	-		75-125	-		35
Zinc, Total	96.	46.5	200	224	Q	-	-		75-125	-		35



## Lab Duplicate Analysis

Batch Quality Control

Project Name: COMPASS RESIDENCES

Project Number: 5197-01-03-3001

Lab Number: L1303280

Report Date: 03/04/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG592232-3 QC Sample: L1303222-12 Client ID: DUP Sample						
Mercury, Total	0.02J	0.02J	mg/kg	NC		35
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG592504-3 QC Sample: L1303222-15 Client ID: DUP Sample						
Arsenic, Total	3.2	4.1	mg/kg	25		35
Barium, Total	120	170	mg/kg	34		35
Beryllium, Total	0.53	0.64	mg/kg	19		35
Cadmium, Total	ND	ND	mg/kg	NC		35
Chromium, Total	21.	22	mg/kg	5		35
Copper, Total	21.	35	mg/kg	50	Q	35
Lead, Total	110	260	mg/kg	81	Q	35
Manganese, Total	430	180	mg/kg	82	Q	35
Nickel, Total	13.	13	mg/kg	0		35
Selenium, Total	1.4J	1.6J	mg/kg	NC		35
Silver, Total	54.	52	mg/kg	4		35
Zinc, Total	96.	190	mg/kg	66	Q	35

# **INORGANICS & MISCELLANEOUS**

Project Name: COMPASS RESIDENCES

Lab Number: L1303280

Project Number: 5197-01-03-3001

Report Date: 03/04/13

## SAMPLE RESULTS

Lab ID: L1303280-01  
 Client ID: SB-3 (0-2') GRAB  
 Sample Location: 1471 WEST FARMS RD, BRONX NY  
 Matrix: Soil

Date Collected: 02/25/13 09:30  
 Date Received: 02/26/13  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	24		mg/kg	0.94	0.94	1	-	03/04/13 10:14	107,-	JO
Solids, Total	85		%	0.10	NA	1	-	02/28/13 10:17	30,2540G	ST
Cyanide, Total	ND		mg/kg	1.2	0.27	1	02/27/13 10:10	02/28/13 12:53	1,9010C/9012A	JO
Chromium, Hexavalent	ND		mg/kg	0.94	0.21	1	02/27/13 11:00	02/27/13 15:04	1,7196A	ST



Project Name: COMPASS RESIDENCES

Lab Number: L1303280

Project Number: 5197-01-03-3001

Report Date: 03/04/13

## SAMPLE RESULTS

Lab ID: L1303280-02  
 Client ID: SB-3 (2-4) GRAB  
 Sample Location: 1471 WEST FARMS RD, BRONX NY  
 Matrix: Soil

Date Collected: 02/25/13 09:30  
 Date Received: 02/26/13  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	26		mg/kg	0.96	0.94	1	-	03/04/13 10:14	107,-	JO
Solids, Total	83		%	0.10	NA	1	-	02/28/13 10:17	30,2540G	ST
Cyanide, Total	ND		mg/kg	1.1	0.27	1	02/27/13 10:10	02/28/13 12:54	1,9010C/9012A	JO
Chromium, Hexavalent	ND		mg/kg	0.96	0.22	1	02/27/13 11:00	02/27/13 15:05	1,7196A	ST



Project Name: COMPASS RESIDENCES

Lab Number: L1303280

Project Number: 5197-01-03-3001

Report Date: 03/04/13

**Method Blank Analysis**  
**Batch Quality Control**

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-02 Batch: WG592172-1									
Cyanide, Total	ND	mg/kg	0.93	0.22	1	02/27/13 10:10	02/28/13 12:39	1,9010C/9012A	JO
General Chemistry - Westborough Lab for sample(s): 01-02 Batch: WG592203-1									
Chromium, Hexavalent	ND	mg/kg	0.80	0.18	1	02/27/13 11:00	02/27/13 14:50	1,7196A	ST

## Lab Control Sample Analysis

Batch Quality Control

**Project Name:** COMPASS RESIDENCES

**Lab Number:** L1303280

**Project Number:** 5197-01-03-3001

**Report Date:** 03/04/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG592172-2 WG592172-3								
Cyanide, Total	81		87		80-120	8		35
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG592203-2								
Chromium, Hexavalent	94		-		80-120	-		20

**Matrix Spike Analysis**  
Batch Quality Control

Project Name: COMPASS RESIDENCES

Lab Number: L1303280

Project Number: 5197-01-03-3001

Report Date: 03/04/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Qual	MSD Found	MSD %Recovery	MSD Qual	Recovery Limits	RPD	RPD Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG592172-4 WG592172-5 QC Sample: L1303274-01 Client ID: MS Sample												
Cyanide, Total	ND	11	10	92		11	100		65-135	10		35
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG592203-3 QC Sample: L1303280-02 Client ID: SB-3 (2-4') GRAB												
Chromium, Hexavalent	ND	1520	1400	92		-	-		75-125	-		20

### Lab Duplicate Analysis Batch Quality Control

**Project Name:** COMPASS RESIDENCES

**Project Number:** 5197-01-03-3001

**Lab Number:** L1303280

**Report Date:** 03/04/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG592203-4 QC Sample: L1303280-02 Client ID: SB-3 (2-4') GRAB						
Chromium, Hexavalent	ND	0.31J	mg/kg	NC		20
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG592420-1 QC Sample: L1303314-01 Client ID: DUP Sample						
Solids, Total	92.	92	%	0		20

Project Name: COMPASS RESIDENCES

Lab Number: L1303280

Project Number: 5197-01-03-3001

Report Date: 03/04/13

## Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

## Cooler Information Custody Seal

## Cooler

A Absent

## Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1303280-01A	Amber 250ml unpreserved	A	N/A	3	Y	Absent	NYTCL-8260(14)
L1303280-01B	Amber 250ml unpreserved	A	N/A	3	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),CR-TI(180),NI-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),NYTCL-8081(14),HGT(28),MN-TI(180),NYTCL-8082(14),CD-TI(180),HEXCR-7196(30)
L1303280-02A	Amber 250ml unpreserved	A	N/A	3	Y	Absent	NYTCL-8260(14)
L1303280-02B	Amber 250ml unpreserved	A	N/A	3	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),CR-TI(180),NI-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),NYTCL-8081(14),HGT(28),MN-TI(180),NYTCL-8082(14),CD-TI(180),HEXCR-7196(30)

\*Values in parentheses indicate holding time in days

**Project Name:** COMPASS RESIDENCES  
**Project Number:** 5197-01-03-3001

**Lab Number:** L1303280  
**Report Date:** 03/04/13

## GLOSSARY

### Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

### Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

### Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

### Data Qualifiers

- A** - Spectra identified as "Aldol Condensation Product".
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported

Report Format: DU Report with "J" Qualifiers



**Project Name:** COMPASS RESIDENCES  
**Project Number:** 5197-01-03-3001

**Lab Number:** L1303280  
**Report Date:** 03/04/13

#### Data Qualifiers

due to obvious interference.

- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with "J" Qualifiers

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**Project Name:** COMPASS RESIDENCES  
**Project Number:** 5197-01-03-3001

**Lab Number:** L1303280  
**Report Date:** 03/04/13

## REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.
- 30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.
- 107 Alpha Analytical - In-house calculation method.

## LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



## Certificate/Approval Program Summary

Last revised December 19, 2012 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.  
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

### Connecticut Department of Public Health Certificate/Lab ID: PH-0574. **NELAP Accredited Solid Waste/Soil.**

*Drinking Water* (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223, Enumeration and P/A), E. Coli. – Colilert (SM9223, Enumeration and P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

*Wastewater/Non-Potable Water* (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), E. Coli – Colilert (SM9223 Enumeration), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E), Enterococcus - Enterolert.

*Solid Waste/Soil* (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP (Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics & Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).)

### Maine Department of Human Services Certificate/Lab ID: 2009024.

*Drinking Water* (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 2540C, 4500CI-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

*Wastewater/Non-Potable Water* (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500CI-D, 4500CI-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 9010B, 9040B, 9030B, 7470A, 7196A, 2340B, EPA 200.7, 6010B, 6010C, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8330, 8151A, 8260B, 8260C, 8270C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

*Solid Waste/Soil* (Inorganic Parameters: 9010B, 9012A, 9014, 9030B, 9040B, 9045C, 6010B, 6010C, 6020, 6020A, 7471A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260B, 8270C, 8270D, 8330, 8151A, 8081A, 8081B, 8082, 8082A, 3540C, 3546, 3580A, 3630C, 5030B, 5035.)

### Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.

*Drinking Water* (Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; Colilert QT SM9223B; MF-SM9222D.)

*Non-Potable Water (Inorganic Parameters:*, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.

*Organic Parameters:* (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. *Microbiology Parameters:* (ColilertQT SM9223B; Enterolert-QT: SM9222D-MF.)

**New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. *NELAP Accredited.***

*Drinking Water (Inorganic Parameters:* SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. *Organic Parameters:* 504.1, 524.2.)

*Non-Potable Water (Inorganic Parameters:* SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. *Organic Parameters:* SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.)

*Solid & Chemical Materials (Inorganic Parameters:* SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. *Organic Parameters:* SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.)

**New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. *NELAP Accredited.***

*Drinking Water (Inorganic Parameters:* SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. *Organic Parameters:* EPA 332, 504.1, 524.2.)

*Non-Potable Water (Inorganic Parameters:* SM5210B, EPA 410.4, SM5220D, 4500CI-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM2520B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. *Organic Parameters:* SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by NJ Modified 8270, 8015B, NJ EPH.)

*Solid & Chemical Materials (Inorganic Parameters:* SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D, 9050A, 9065, 9251. *Organic Parameters:* SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035L, 5035H, NJ EPH.)

**New York Department of Health Certificate/Lab ID: 11148. *NELAP Accredited.***

*Drinking Water (Inorganic Parameters:* SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. *Organic Parameters:* EPA 524.2, 504.1.)

*Non-Potable Water (Inorganic Parameters:* SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6010C, 6020, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, LACHAT 10-204-00-1-A, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015, 9010C, 9030B. *Organic Parameters:* EPA 624, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 625, 608, 8081A, 8081B, 8151A, 8330, 8082, 8082A, EPA 3510C, 5030B.)

*Solid & Hazardous Waste (Inorganic Parameters:* EPA 1010A, 1030, EPA 6010B, 6010C, 7196A, 7471A, 7471B, 9012B, 9014, 9065, 9050A, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. *Organic Parameters:* EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8015B, 8015C, 8081A, 8081B, 8151A, 8330, 8082 8082A, 3540C,

3546, 3580A, 5030B, 5035A-H, 5035A-L.)

**North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. (Inorganic Parameters:** SM2310B, 2320B, 4500CI-E, 4500Cn-E, 9014, Lachat 10-204-00-1-X, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311,1312. **Organic Parameters:** 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.)

*Drinking Water Program Certificate/Lab ID:* 25700. (**Inorganic Parameters:** Chloride EPA 300.0. **Organic Parameters:** 524.2)

**Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. NELAP Accredited.**

*Drinking Water (Inorganic Parameters:* 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H+-B, 4500NO3-F, 5310C. **Organic Parameters:** EPA 524.2, 504.1)

*Non-Potable Water (Inorganic Parameters:* EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500CI-E, 4500F-B, 4500F-C, 4500H+-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. **Organic Parameters:** EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, NJ-EPH.)

*Solid & Hazardous Waste (Inorganic Parameters:* EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. **Organic Parameters:** 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, NJ-EPH.)

**Rhode Island Department of Health Certificate/Lab ID:** LAO00065. **NELAP Accredited via NJ-DEP.**

Refer to MA-DEP Certificate for Potable and Non-Potable Water.

Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

**Texas Commisison on Environmental Quality Certificate/Lab ID:** T104704476. **NELAP Accredited.**

*Non-Potable Water (Inorganic Parameters:* EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 S<sup>2-</sup> D, 510C, 5210B, 5220D, 5310C, 5540C. **Organic Parameters:** EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

*Solid & Hazardous Waste (Inorganic Parameters:* EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

**Virginia Division of Consolidated Laboratory Services Certificate/Lab ID:** 460195. **NELAP Accredited.**

*Drinking Water (Inorganic Parameters:* EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.2, 2320B, 4500F-C, 4500NO3-F, 5310C. **Organic Parameters:** EPA 504.1, 524.2.)

*Non-Potable Water (Inorganic Parameters:* EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X, 7196A, 7470A, 9010B, 9040B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CI-E, 4500F-B, 4500F-C, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C. **Organic Parameters:** EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330, )

*Solid & Hazardous Waste (Inorganic Parameters:* EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9030B, 9010B, 9012A, 9014 9040B, 9045C, 9050A, 9065. **Organic Parameters:** EPA 5030B, 5035, 3540C, 3546, 355B0, 3580A, 3630C, 6020A, 8260B, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.)

**Department of Defense, L-A-B Certificate/Lab ID:** L2217.

*Drinking Water (Inorganic Parameters:* SM 4500H-B. **Organic Parameters:** EPA 524.2, 504.1.)

*Non-Potable Water (Inorganic Parameters:* EPA 200.7, 200.8, 6010B, 6010C, 6020, 6020A, 245.1, 245.2, 7470A, 9040B, 9010B, 180.1. 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 4500CL-D, 5220D, 5310C, 2130B, 2320B, 2540C, 3005A, 3015, 9010B, 9056, 7196A, 3500-Cr-D. **Organic Parameters:** EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330A, 8082, 8082A, 8081A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

8270D, 8270C-SIM, 8270D-SIM, 8330A/B-prep, 8082, 8082A, 8081A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

**The following analytes are not included in our current NELAP/TNI Scope of Accreditation:**

**EPA 8260B:** Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnaphthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO<sub>2</sub> in a soil matrix, NO<sub>3</sub> in a soil matrix. **EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.





## ANALYTICAL REPORT

Lab Number:	L1303281
Client:	Impact Environmental 170 Keyland Ct Bohemia, NY 11716
ATTN:	Ben Hernandez-Salazar
Phone:	(631) 269-8800
Project Name:	COMPASS RESIDENCES
Project Number:	5197-01-03-3001
Report Date:	03/04/13

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

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Eight Walkup Drive, Westborough, MA 01581-1019  
508-898-9220 (Fax) 508-898-9193 800-624-9220 - [www.alphalab.com](http://www.alphalab.com)



**Project Name:** COMPASS RESIDENCES  
**Project Number:** 5197-01-03-3001

**Lab Number:** L1303281  
**Report Date:** 03/04/13

<b>Alpha Sample ID</b>	<b>Client ID</b>	<b>Sample Location</b>	<b>Collection Date/Time</b>
L1303281-01	MW-2	1471 WEST FARMS RD, BRONX NY	02/26/13 11:00

**Project Name:** COMPASS RESIDENCES  
**Project Number:** 5197-01-03-3001

**Lab Number:** L1303281  
**Report Date:** 03/04/13

### Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

#### HOLD POLICY

For samples submitted on hold, Alpha's policy is to hold samples free of charge for 30 days from the date the project is completed. After 30 days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

**Project Name:** COMPASS RESIDENCES  
**Project Number:** 5197-01-03-3001

**Lab Number:** L1303281  
**Report Date:** 03/04/13

### Case Narrative (continued)

#### Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

#### Sample Receipt

The samples were field filtered for Dissolved Metals only.

#### Total Metals

L1303281-01 has an elevated detection limit for Arsenic due to the dilution required by matrix interferences encountered during the analysis.

The WG593018-4 MS recoveries for Iron (0%) and Manganese (64%), performed on L1303281-01, do not apply because the sample concentration is greater than four times the spike amount added.

#### Dissolved Metals

L1303281-01 has an elevated detection limit for Arsenic due to the dilution required by matrix interferences encountered during the analysis.

The WG593006-1 Method Blank, associated with L1303281-01, has concentrations above the reporting limits for Arsenic. Since the sample was non-detect for this target analyte, no further actions were taken. The results of the original analysis are reported.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:  Elizabeth Simmons

Title: Technical Director/Representative

Date: 03/04/13

# ORGANICS

# VOLATILES

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1303281**Project Number:** 5197-01-03-3001**Report Date:** 03/04/13**SAMPLE RESULTS**

Lab ID: L1303281-01  
 Client ID: MW-2  
 Sample Location: 1471 WEST FARMS RD, BRONX NY  
 Matrix: Water  
 Analytical Method: 1,8260C  
 Analytical Date: 02/28/13 12:03  
 Analyst: PD

Date Collected: 02/26/13 11:00  
 Date Received: 02/26/13  
 Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.16	1
1,2-Dichloropropane	ND		ug/l	1.0	0.30	1
Dibromochloromethane	ND		ug/l	0.50	0.19	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.16	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	0.19	1
Benzene	0.49	J	ug/l	0.50	0.19	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	6.8		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.18	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1303281**Project Number:** 5197-01-03-3001**Report Date:** 03/04/13**SAMPLE RESULTS**

Lab ID: L1303281-01

Date Collected: 02/26/13 11:00

Client ID: MW-2

Date Received: 02/26/13

Sample Location: 1471 WEST FARMS RD, BRONX NY

Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	0.89	J	ug/l	2.5	0.70	1
o-Xylene	1.5	J	ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	2.1	J	ug/l	5.0	1.0	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.0	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	2.5		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	3.3		ug/l	2.5	0.70	1
p-Isopropyltoluene	0.97	J	ug/l	2.5	0.70	1
Naphthalene	8.3		ug/l	2.5	0.70	1
n-Propylbenzene	2.9		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	17		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	76.	1
1,4-Diethylbenzene	1.5	J	ug/l	2.0	0.70	1
4-Ethyltoluene	1.5	J	ug/l	2.0	0.70	1

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1303281**Project Number:** 5197-01-03-3001**Report Date:** 03/04/13**SAMPLE RESULTS**

Lab ID: L1303281-01

Date Collected: 02/26/13 11:00

Client ID: MW-2

Date Received: 02/26/13

Sample Location: 1471 WEST FARMS RD, BRONX NY

Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4,5-Tetramethylbenzene	1.4	J	ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	89		70-130
Toluene-d8	85		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	105		70-130

Project Name: COMPASS RESIDENCES

Lab Number: L1303281

Project Number: 5197-01-03-3001

Report Date: 03/04/13

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8260C  
 Analytical Date: 02/28/13 10:20  
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG592469-3					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.16
1,2-Dichloropropane	ND		ug/l	1.0	0.30
Dibromochloromethane	ND		ug/l	0.50	0.19
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.16
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.19
Benzene	ND		ug/l	0.50	0.19
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.33
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.18
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.17
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: COMPASS RESIDENCES

Lab Number: L1303281

Project Number: 5197-01-03-3001

Report Date: 03/04/13

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C  
 Analytical Date: 02/28/13 10:20  
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG592469-3					
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.0
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.0
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70

Project Name: COMPASS RESIDENCES

Lab Number: L1303281

Project Number: 5197-01-03-3001

Report Date: 03/04/13

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8260C  
 Analytical Date: 02/28/13 10:20  
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG592469-3					
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	76.
1,4-Diethylbenzene	ND		ug/l	2.0	0.70
4-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	87		70-130
Toluene-d8	87		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	103		70-130

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: COMPASS RESIDENCES

Lab Number: L1303281

Project Number: 5197-01-03-3001

Report Date: 03/04/13

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG592469-1 WG592469-2								
Methylene chloride	102		102		70-130	0		20
1,1-Dichloroethane	99		97		70-130	2		20
Chloroform	103		102		70-130	1		20
Carbon tetrachloride	110		105		63-132	5		20
1,2-Dichloropropane	100		99		70-130	1		20
Dibromochloromethane	95		93		63-130	2		20
1,1,2-Trichloroethane	94		89		70-130	5		20
Tetrachloroethene	107		102		70-130	5		20
Chlorobenzene	97		97		75-130	0		20
Trichlorofluoromethane	109		103		62-150	6		20
1,2-Dichloroethane	95		94		70-130	1		20
1,1,1-Trichloroethane	106		102		67-130	4		20
Bromodichloromethane	101		100		67-130	1		20
trans-1,3-Dichloropropene	87		84		70-130	4		20
cis-1,3-Dichloropropene	104		103		70-130	1		20
1,1-Dichloropropene	104		100		70-130	4		20
Bromoform	86		84		54-136	2		20
1,1,2,2-Tetrachloroethane	84		80		67-130	5		20
Benzene	106		105		70-130	1		20
Toluene	95		92		70-130	3		20
Ethylbenzene	94		91		70-130	3		20

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: COMPASS RESIDENCES

Lab Number: L1303281

Project Number: 5197-01-03-3001

Report Date: 03/04/13

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG592469-1 WG592469-2								
Chloromethane	83		82		64-130	1		20
Bromomethane	103		105		39-139	2		20
Vinyl chloride	98		95		55-140	3		20
Chloroethane	103		102		55-138	1		20
1,1-Dichloroethene	110		105		61-145	5		20
trans-1,2-Dichloroethene	109		106		70-130	3		20
Trichloroethene	111		108		70-130	3		20
1,2-Dichlorobenzene	91		90		70-130	1		20
1,3-Dichlorobenzene	90		91		70-130	1		20
1,4-Dichlorobenzene	91		90		70-130	1		20
Methyl tert butyl ether	99		96		63-130	3		20
p/m-Xylene	98		95		70-130	3		20
o-Xylene	98		96		70-130	2		20
cis-1,2-Dichloroethene	108		108		70-130	0		20
Dibromomethane	109		106		70-130	3		20
1,2,3-Trichloropropane	76		73		64-130	4		20
Acrylonitrile	94		89		70-130	5		20
Styrene	98		98		70-130	0		20
Dichlorodifluoromethane	96		89		36-147	8		20
Acetone	104		130		58-148	22	Q	20
Carbon disulfide	102		98		51-130	4		20

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: COMPASS RESIDENCES

Lab Number: L1303281

Project Number: 5197-01-03-3001

Report Date: 03/04/13

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG592469-1 WG592469-2								
2-Butanone	87		99		63-138	13		20
Vinyl acetate	92		87		70-130	6		20
4-Methyl-2-pentanone	97		94		59-130	3		20
2-Hexanone	80		87		57-130	8		20
Bromochloromethane	117		114		70-130	3		20
2,2-Dichloropropane	103		101		63-133	2		20
1,2-Dibromoethane	96		92		70-130	4		20
1,3-Dichloropropane	90		87		70-130	3		20
1,1,1,2-Tetrachloroethane	98		97		64-130	1		20
Bromobenzene	92		91		70-130	1		20
n-Butylbenzene	84		82		53-136	2		20
sec-Butylbenzene	87		85		70-130	2		20
tert-Butylbenzene	87		86		70-130	1		20
o-Chlorotoluene	86		86		70-130	0		20
p-Chlorotoluene	83		83		70-130	0		20
1,2-Dibromo-3-chloropropane	76		75		41-144	1		20
Hexachlorobutadiene	93		92		63-130	1		20
Isopropylbenzene	86		84		70-130	2		20
p-Isopropyltoluene	89		87		70-130	2		20
Naphthalene	98		83		70-130	17		20
n-Propylbenzene	84		83		69-130	1		20

## Lab Control Sample Analysis

Batch Quality Control

**Project Name:** COMPASS RESIDENCES  
**Project Number:** 5197-01-03-3001

**Lab Number:** L1303281  
**Report Date:** 03/04/13

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG592469-1 WG592469-2								
1,2,3-Trichlorobenzene	98		89		70-130	10		20
1,2,4-Trichlorobenzene	94		89		70-130	5		20
1,3,5-Trimethylbenzene	87		85		64-130	2		20
1,2,4-Trimethylbenzene	86		86		70-130	0		20
1,4-Dioxane	130		120		56-162	8		20
1,4-Diethylbenzene	87		87		70-130	0		20
4-Ethyltoluene	86		86		70-130	0		20
1,2,4,5-Tetramethylbenzene	86		85		70-130	1		20
Ethyl ether	101		99		59-134	2		20
trans-1,4-Dichloro-2-butene	72		66	Q	70-130	9		20

Surrogate	LCS		LCSD		Acceptance Criteria
	%Recovery	Qual	%Recovery	Qual	
1,2-Dichloroethane-d4	86		85		70-130
Toluene-d8	90		89		70-130
4-Bromofluorobenzene	88		89		70-130
Dibromofluoromethane	100		101		70-130

# SEMIVOLATILES

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1303281**Project Number:** 5197-01-03-3001**Report Date:** 03/04/13**SAMPLE RESULTS**

Lab ID: L1303281-01  
 Client ID: MW-2  
 Sample Location: 1471 WEST FARMS RD, BRONX NY  
 Matrix: Water  
 Analytical Method: 1,8270D  
 Analytical Date: 02/28/13 16:05  
 Analyst: RC

Date Collected: 02/26/13 11:00  
 Date Received: 02/26/13  
 Field Prep: See Narrative  
 Extraction Method: EPA 3510C  
 Extraction Date: 02/27/13 18:19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.67	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.55	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.55	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.55	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.85	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.45	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.46	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.61	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.67	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.50	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.40	1
Hexachlorocyclopentadiene	ND		ug/l	20	2.1	1
Isophorone	ND		ug/l	5.0	0.35	1
Nitrobenzene	ND		ug/l	2.0	0.50	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.70	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.39	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	1.4	1
Butyl benzyl phthalate	ND		ug/l	5.0	0.46	1
Di-n-butylphthalate	ND		ug/l	5.0	0.54	1
Di-n-octylphthalate	ND		ug/l	5.0	0.53	1
Diethyl phthalate	ND		ug/l	5.0	0.45	1
Dimethyl phthalate	ND		ug/l	5.0	0.45	1
Biphenyl	1.9	J	ug/l	2.0	0.50	1
4-Chloroaniline	ND		ug/l	5.0	0.83	1
2-Nitroaniline	ND		ug/l	5.0	0.40	1
3-Nitroaniline	ND		ug/l	5.0	0.59	1
4-Nitroaniline	ND		ug/l	5.0	0.55	1
Dibenzofuran	1.0	J	ug/l	2.0	0.47	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.65	1
Acetophenone	ND		ug/l	5.0	0.55	1

Project Name: COMPASS RESIDENCES

Lab Number: L1303281

Project Number: 5197-01-03-3001

Report Date: 03/04/13

## SAMPLE RESULTS

Lab ID: L1303281-01

Date Collected: 02/26/13 11:00

Client ID: MW-2

Date Received: 02/26/13

Sample Location: 1471 WEST FARMS RD, BRONX NY

Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.45	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.50	1
2-Chlorophenol	ND		ug/l	2.0	0.34	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.43	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.2	1
2-Nitrophenol	ND		ug/l	10	0.48	1
4-Nitrophenol	ND		ug/l	10	1.2	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	0.59	1
Phenol	ND		ug/l	5.0	0.26	1
2-Methylphenol	ND		ug/l	5.0	0.53	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.47	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.45	1
Benzoic Acid	ND		ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.47	1
Carbazole	5.2		ug/l	2.0	0.53	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	51		21-120
Phenol-d6	38		10-120
Nitrobenzene-d5	81		23-120
2-Fluorobiphenyl	85		15-120
2,4,6-Tribromophenol	102		10-120
4-Terphenyl-d14	104		41-149

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1303281**Project Number:** 5197-01-03-3001**Report Date:** 03/04/13**SAMPLE RESULTS**

Lab ID: L1303281-01  
 Client ID: MW-2  
 Sample Location: 1471 WEST FARMS RD, BRONX NY  
 Matrix: Water  
 Analytical Method: 1,8270D-SIM  
 Analytical Date: 02/28/13 23:38  
 Analyst: AS

Date Collected: 02/26/13 11:00  
 Date Received: 02/26/13  
 Field Prep: See Narrative  
 Extraction Method: EPA 3510C  
 Extraction Date: 02/27/13 18:17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS-SIM - Westborough Lab</b>						
Acenaphthene	0.95		ug/l	0.20	0.06	1
2-Chloronaphthalene	ND		ug/l	0.20	0.07	1
Fluoranthene	ND		ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.07	1
Naphthalene	2.8		ug/l	0.20	0.06	1
Benzo(a)anthracene	ND		ug/l	0.20	0.06	1
Benzo(a)pyrene	ND		ug/l	0.20	0.07	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.07	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07	1
Chrysene	ND		ug/l	0.20	0.05	1
Acenaphthylene	ND		ug/l	0.20	0.05	1
Anthracene	0.24		ug/l	0.20	0.06	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.07	1
Fluorene	1.5		ug/l	0.20	0.06	1
Phenanthrene	1.7		ug/l	0.20	0.06	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.08	1
Pyrene	0.09	J	ug/l	0.20	0.06	1
2-Methylnaphthalene	5.0		ug/l	0.20	0.06	1
Pentachlorophenol	ND		ug/l	0.80	0.19	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.07	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	54		21-120
Phenol-d6	39		10-120
Nitrobenzene-d5	88		23-120
2-Fluorobiphenyl	84		15-120
2,4,6-Tribromophenol	89		10-120
4-Terphenyl-d14	86		41-149

Project Name: COMPASS RESIDENCES

Lab Number: L1303281

Project Number: 5197-01-03-3001

Report Date: 03/04/13

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D  
 Analytical Date: 02/28/13 09:39  
 Analyst: RC

Extraction Method: EPA 3510C  
 Extraction Date: 02/27/13 18:19

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG592300-1					
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.67
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39
1,2-Dichlorobenzene	ND		ug/l	2.0	0.55
1,3-Dichlorobenzene	ND		ug/l	2.0	0.55
1,4-Dichlorobenzene	ND		ug/l	2.0	0.55
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.85
2,4-Dinitrotoluene	ND		ug/l	5.0	0.45
2,6-Dinitrotoluene	ND		ug/l	5.0	0.46
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.61
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.67
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.50
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.40
Hexachlorocyclopentadiene	ND		ug/l	20	2.1
Isophorone	ND		ug/l	5.0	0.35
Nitrobenzene	ND		ug/l	2.0	0.50
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.70
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.39
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	1.4
Butyl benzyl phthalate	ND		ug/l	5.0	0.46
Di-n-butylphthalate	ND		ug/l	5.0	0.54
Di-n-octylphthalate	ND		ug/l	5.0	0.53
Diethyl phthalate	ND		ug/l	5.0	0.45
Dimethyl phthalate	ND		ug/l	5.0	0.45
Biphenyl	ND		ug/l	2.0	0.50
4-Chloroaniline	ND		ug/l	5.0	0.83
2-Nitroaniline	ND		ug/l	5.0	0.40
3-Nitroaniline	ND		ug/l	5.0	0.59
4-Nitroaniline	ND		ug/l	5.0	0.55
Dibenzofuran	ND		ug/l	2.0	0.47
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.65
Acetophenone	ND		ug/l	5.0	0.55

Project Name: COMPASS RESIDENCES

Lab Number: L1303281

Project Number: 5197-01-03-3001

Report Date: 03/04/13

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8270D  
 Analytical Date: 02/28/13 09:39  
 Analyst: RC

Extraction Method: EPA 3510C  
 Extraction Date: 02/27/13 18:19

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG592300-1					
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.45
P-Chloro-M-Cresol	ND		ug/l	2.0	0.50
2-Chlorophenol	ND		ug/l	2.0	0.34
2,4-Dichlorophenol	ND		ug/l	5.0	0.43
2,4-Dimethylphenol	ND		ug/l	5.0	1.2
2-Nitrophenol	ND		ug/l	10	0.48
4-Nitrophenol	ND		ug/l	10	1.2
2,4-Dinitrophenol	ND		ug/l	20	1.4
4,6-Dinitro-o-cresol	ND		ug/l	10	0.59
Phenol	ND		ug/l	5.0	0.26
2-Methylphenol	ND		ug/l	5.0	0.53
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.47
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.45
Benzoic Acid	ND		ug/l	50	1.0
Benzyl Alcohol	ND		ug/l	2.0	0.47
Carbazole	ND		ug/l	2.0	0.53

Tentatively Identified Compounds

Unknown	5.1	J	ug/l
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Project Name: COMPASS RESIDENCES

Lab Number: L1303281

Project Number: 5197-01-03-3001

Report Date: 03/04/13

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8270D  
 Analytical Date: 02/28/13 09:39  
 Analyst: RC

Extraction Method: EPA 3510C  
 Extraction Date: 02/27/13 18:19

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG592300-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	40		21-120
Phenol-d6	24		10-120
Nitrobenzene-d5	55		23-120
2-Fluorobiphenyl	63		15-120
2,4,6-Tribromophenol	74		10-120
4-Terphenyl-d14	79		41-149

Project Name: COMPASS RESIDENCES

Lab Number: L1303281

Project Number: 5197-01-03-3001

Report Date: 03/04/13

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8270D-SIM  
 Analytical Date: 02/28/13 19:36  
 Analyst: AS

Extraction Method: EPA 3510C  
 Extraction Date: 02/27/13 18:17

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01 Batch: WG592301-1					
Acenaphthene	ND		ug/l	0.20	0.06
2-Chloronaphthalene	ND		ug/l	0.20	0.07
Fluoranthene	ND		ug/l	0.20	0.04
Hexachlorobutadiene	ND		ug/l	0.50	0.07
Naphthalene	ND		ug/l	0.20	0.06
Benzo(a)anthracene	ND		ug/l	0.20	0.06
Benzo(a)pyrene	ND		ug/l	0.20	0.07
Benzo(b)fluoranthene	ND		ug/l	0.20	0.07
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07
Chrysene	ND		ug/l	0.20	0.05
Acenaphthylene	ND		ug/l	0.20	0.05
Anthracene	ND		ug/l	0.20	0.06
Benzo(ghi)perylene	ND		ug/l	0.20	0.07
Fluorene	ND		ug/l	0.20	0.06
Phenanthrene	ND		ug/l	0.20	0.06
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.08
Pyrene	ND		ug/l	0.20	0.06
2-Methylnaphthalene	ND		ug/l	0.20	0.06
Pentachlorophenol	ND		ug/l	0.80	0.19
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.07

Project Name: COMPASS RESIDENCES

Lab Number: L1303281

Project Number: 5197-01-03-3001

Report Date: 03/04/13

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8270D-SIM  
 Analytical Date: 02/28/13 19:36  
 Analyst: AS

Extraction Method: EPA 3510C  
 Extraction Date: 02/27/13 18:17

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01 Batch: WG592301-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	48		21-120
Phenol-d6	36		10-120
Nitrobenzene-d5	78		23-120
2-Fluorobiphenyl	64		15-120
2,4,6-Tribromophenol	87		10-120
4-Terphenyl-d14	82		41-149

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: COMPASS RESIDENCES

Lab Number: L1303281

Project Number: 5197-01-03-3001

Report Date: 03/04/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG592300-2 WG592300-3								
1,2,4-Trichlorobenzene	56		57		39-98	2		30
Bis(2-chloroethyl)ether	60		56		40-140	7		30
1,2-Dichlorobenzene	52		51		40-140	2		30
1,3-Dichlorobenzene	50		50		40-140	0		30
1,4-Dichlorobenzene	51		50		36-97	2		30
3,3'-Dichlorobenzidine	69		65		40-140	6		30
2,4-Dinitrotoluene	91		94		24-96	3		30
2,6-Dinitrotoluene	92		94		40-140	2		30
4-Chlorophenyl phenyl ether	78		77		40-140	1		30
4-Bromophenyl phenyl ether	90		93		40-140	3		30
Bis(2-chloroisopropyl)ether	56		53		40-140	6		30
Bis(2-chloroethoxy)methane	61		58		40-140	5		30
Hexachlorocyclopentadiene	53		49		40-140	8		30
Isophorone	63		61		40-140	3		30
Nitrobenzene	63		60		40-140	5		30
NitrosoDiPhenylAmine(NDPA)/DPA	81		83		40-140	2		30
n-Nitrosodi-n-propylamine	63		61		29-132	3		30
Bis(2-Ethylhexyl)phthalate	83		84		40-140	1		30
Butyl benzyl phthalate	91		92		40-140	1		30
Di-n-butylphthalate	88		88		40-140	0		30
Di-n-octylphthalate	88		90		40-140	2		30

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: COMPASS RESIDENCES

Lab Number: L1303281

Project Number: 5197-01-03-3001

Report Date: 03/04/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG592300-2 WG592300-3								
Diethyl phthalate	85		86		40-140	1		30
Dimethyl phthalate	79		82		40-140	4		30
Biphenyl	58		56			4		30
4-Chloroaniline	50		43		40-140	15		30
2-Nitroaniline	90		88		52-143	2		30
3-Nitroaniline	45		43		25-145	5		30
4-Nitroaniline	78		81		51-143	4		30
Dibenzofuran	71		70		40-140	1		30
1,2,4,5-Tetrachlorobenzene	54		55		2-134	2		30
Acetophenone	65		61		39-129	6		30
2,4,6-Trichlorophenol	88		84		30-130	5		30
P-Chloro-M-Cresol	82		82		23-97	0		30
2-Chlorophenol	66		63		27-123	5		30
2,4-Dichlorophenol	81		78		30-130	4		30
2,4-Dimethylphenol	77		74		30-130	4		30
2-Nitrophenol	76		74		30-130	3		30
4-Nitrophenol	42		41		10-80	2		30
2,4-Dinitrophenol	83		87		20-130	5		30
4,6-Dinitro-o-cresol	92		93		20-164	1		30
Phenol	33		32		12-110	3		30
2-Methylphenol	62		58		30-130	7		30

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: COMPASS RESIDENCES

Lab Number: L1303281

Project Number: 5197-01-03-3001

Report Date: 03/04/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG592300-2 WG592300-3								
3-Methylphenol/4-Methylphenol	61		57		30-130	7		30
2,4,5-Trichlorophenol	89		92		30-130	3		30
Benzoic Acid	32		32			0		30
Benzyl Alcohol	57		53			7		30
Carbazole	86		86		55-144	0		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	46		42		21-120
Phenol-d6	30		29		10-120
Nitrobenzene-d5	59		55		23-120
2-Fluorobiphenyl	71		68		15-120
2,4,6-Tribromophenol	92		95		10-120
4-Terphenyl-d14	86		86		41-149

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: COMPASS RESIDENCES

Lab Number: L1303281

Project Number: 5197-01-03-3001

Report Date: 03/04/13

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01 Batch: WG592301-2 WG592301-3								
Acenaphthene	74		64		37-111	14		40
2-Chloronaphthalene	65		51		40-140	24		40
Fluoranthene	106		88		40-140	19		40
Hexachlorobutadiene	16	Q	14	Q	40-140	13		40
Naphthalene	54		44		40-140	20		40
Benzo(a)anthracene	106		84		40-140	23		40
Benzo(a)pyrene	110		84		40-140	27		40
Benzo(b)fluoranthene	103		79		40-140	26		40
Benzo(k)fluoranthene	113		106		40-140	6		40
Chrysene	92		74		40-140	22		40
Acenaphthylene	82		67		40-140	20		40
Anthracene	90		82		40-140	9		40
Benzo(ghi)perylene	105		86		40-140	20		40
Fluorene	82		76		40-140	8		40
Phenanthrene	101		77		40-140	27		40
Dibenzo(a,h)anthracene	106		85		40-140	22		40
Indeno(1,2,3-cd)Pyrene	108		87		40-140	22		40
Pyrene	100		82		26-127	20		40
2-Methylnaphthalene	57		46		40-140	21		40
Pentachlorophenol	88		75		9-103	16		40
Hexachlorobenzene	94		73		40-140	25		40

### Lab Control Sample Analysis Batch Quality Control

**Project Name:** COMPASS RESIDENCES  
**Project Number:** 5197-01-03-3001

**Lab Number:** L1303281  
**Report Date:** 03/04/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01 Batch: WG592301-2 WG592301-3								
Hexachloroethane	16	Q	15	Q	40-140	6		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	66		51		21-120
Phenol-d6	45		36		10-120
Nitrobenzene-d5	97		76		23-120
2-Fluorobiphenyl	93		66		15-120
2,4,6-Tribromophenol	88		82		10-120
4-Terphenyl-d14	102		82		41-149

# PCBS

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1303281**Project Number:** 5197-01-03-3001**Report Date:** 03/04/13**SAMPLE RESULTS**

Lab ID: L1303281-01  
 Client ID: MW-2  
 Sample Location: 1471 WEST FARMS RD, BRONX NY  
 Matrix: Water  
 Analytical Method: 1,8082A  
 Analytical Date: 02/28/13 19:36  
 Analyst: JW

Date Collected: 02/26/13 11:00  
 Date Received: 02/26/13  
 Field Prep: See Narrative  
 Extraction Method: EPA 3510C  
 Extraction Date: 02/27/13 18:24  
 Cleanup Method1: EPA 3665A  
 Cleanup Date1: 02/28/13  
 Cleanup Method2: EPA 3660B  
 Cleanup Date2: 02/28/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Polychlorinated Biphenyls by GC - Westborough Lab</b>						
Aroclor 1016	ND		ug/l	0.083	0.055	1
Aroclor 1221	ND		ug/l	0.083	0.053	1
Aroclor 1232	ND		ug/l	0.083	0.031	1
Aroclor 1242	ND		ug/l	0.083	0.060	1
Aroclor 1248	ND		ug/l	0.083	0.051	1
Aroclor 1254	ND		ug/l	0.083	0.034	1
Aroclor 1260	ND		ug/l	0.083	0.032	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	72		30-150
Decachlorobiphenyl	68		30-150
2,4,5,6-Tetrachloro-m-xylene	75		30-150
Decachlorobiphenyl	80		30-150

Project Name: COMPASS RESIDENCES

Lab Number: L1303281

Project Number: 5197-01-03-3001

Report Date: 03/04/13

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8082A  
 Analytical Date: 02/28/13 17:57  
 Analyst: JW

Extraction Method: EPA 3510C  
 Extraction Date: 02/27/13 18:24  
 Cleanup Method1: EPA 3665A  
 Cleanup Date1: 02/28/13  
 Cleanup Method2: EPA 3660B  
 Cleanup Date2: 02/28/13

Parameter	Result	Qualifier	Units	RL	MDL
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01 Batch: WG592318-1					
Aroclor 1016	ND		ug/l	0.083	0.055
Aroclor 1221	ND		ug/l	0.083	0.053
Aroclor 1232	ND		ug/l	0.083	0.031
Aroclor 1242	ND		ug/l	0.083	0.060
Aroclor 1248	ND		ug/l	0.083	0.051
Aroclor 1254	ND		ug/l	0.083	0.034
Aroclor 1260	ND		ug/l	0.083	0.032

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	94		30-150
Decachlorobiphenyl	95		30-150
2,4,5,6-Tetrachloro-m-xylene	97		30-150
Decachlorobiphenyl	116		30-150

### Lab Control Sample Analysis Batch Quality Control

**Project Name:** COMPASS RESIDENCES  
**Project Number:** 5197-01-03-3001

**Lab Number:** L1303281  
**Report Date:** 03/04/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01 Batch: WG592318-2 WG592318-3								
Aroclor 1016	88		75		40-140	17		50
Aroclor 1260	73		67		40-140	8		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	82		49		30-150
Decachlorobiphenyl	79		74		30-150
2,4,5,6-Tetrachloro-m-xylene	85		53		30-150
Decachlorobiphenyl	98		93		30-150

# PESTICIDES

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1303281**Project Number:** 5197-01-03-3001**Report Date:** 03/04/13**SAMPLE RESULTS**

Lab ID: L1303281-01  
 Client ID: MW-2  
 Sample Location: 1471 WEST FARMS RD, BRONX NY  
 Matrix: Water  
 Analytical Method: 1,8081B  
 Analytical Date: 03/04/13 09:21  
 Analyst: BW

Date Collected: 02/26/13 11:00  
 Date Received: 02/26/13  
 Field Prep: See Narrative  
 Extraction Method: EPA 3510C  
 Extraction Date: 02/27/13 18:19  
 Cleanup Method1: EPA 3620B  
 Cleanup Date1: 03/01/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Organochlorine Pesticides by GC - Westborough Lab</b>						
Delta-BHC	ND		ug/l	0.020	0.005	1
Lindane	ND		ug/l	0.020	0.004	1
Alpha-BHC	ND		ug/l	0.020	0.004	1
Beta-BHC	ND		ug/l	0.020	0.006	1
Heptachlor	ND		ug/l	0.020	0.003	1
Aldrin	ND		ug/l	0.020	0.002	1
Heptachlor epoxide	ND		ug/l	0.020	0.004	1
Endrin	ND		ug/l	0.040	0.004	1
Endrin ketone	ND		ug/l	0.040	0.005	1
Dieldrin	ND		ug/l	0.040	0.004	1
4,4'-DDE	ND		ug/l	0.040	0.004	1
4,4'-DDD	ND		ug/l	0.040	0.005	1
4,4'-DDT	ND		ug/l	0.040	0.004	1
Endosulfan I	ND		ug/l	0.020	0.003	1
Endosulfan II	ND		ug/l	0.040	0.005	1
Endosulfan sulfate	ND		ug/l	0.040	0.005	1
Methoxychlor	ND		ug/l	0.200	0.007	1
Toxaphene	ND		ug/l	0.200	0.063	1
cis-Chlordane	ND		ug/l	0.020	0.007	1
trans-Chlordane	ND		ug/l	0.020	0.006	1
Chlordane	ND		ug/l	0.200	0.046	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	92		30-150	A
Decachlorobiphenyl	95		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	94		30-150	B

Project Name: COMPASS RESIDENCES

Lab Number: L1303281

Project Number: 5197-01-03-3001

Report Date: 03/04/13

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8081B  
Analytical Date: 03/04/13 08:55  
Analyst: BW

Extraction Method: EPA 3510C  
Extraction Date: 02/27/13 18:19  
Cleanup Method1: EPA 3620B  
Cleanup Date1: 03/01/13

Parameter	Result	Qualifier	Units	RL	MDL
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01 Batch: WG592313-1					
Delta-BHC	ND		ug/l	0.020	0.005
Lindane	ND		ug/l	0.020	0.004
Alpha-BHC	ND		ug/l	0.020	0.004
Beta-BHC	ND		ug/l	0.020	0.006
Heptachlor	ND		ug/l	0.020	0.003
Aldrin	ND		ug/l	0.020	0.002
Heptachlor epoxide	ND		ug/l	0.020	0.004
Endrin	ND		ug/l	0.040	0.004
Endrin ketone	ND		ug/l	0.040	0.005
Dieldrin	ND		ug/l	0.040	0.004
4,4'-DDE	ND		ug/l	0.040	0.004
4,4'-DDD	ND		ug/l	0.040	0.005
4,4'-DDT	ND		ug/l	0.040	0.004
Endosulfan I	ND		ug/l	0.020	0.003
Endosulfan II	ND		ug/l	0.040	0.005
Endosulfan sulfate	ND		ug/l	0.040	0.005
Methoxychlor	ND		ug/l	0.200	0.007
Toxaphene	ND		ug/l	0.200	0.063
cis-Chlordane	ND		ug/l	0.020	0.007
trans-Chlordane	ND		ug/l	0.020	0.006
Chlordane	ND		ug/l	0.200	0.046

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A
Decachlorobiphenyl	81		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		30-150	B
Decachlorobiphenyl	77		30-150	B

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: COMPASS RESIDENCES

Lab Number: L1303281

Project Number: 5197-01-03-3001

Report Date: 03/04/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG592313-2 WG592313-3								
Delta-BHC	94		88		30-150	7		20
Lindane	104		91		30-150	13		20
Alpha-BHC	89		92		30-150	3		20
Beta-BHC	104		90		30-150	15		20
Heptachlor	102		89		30-150	14		20
Aldrin	97		85		30-150	14		20
Heptachlor epoxide	101		87		30-150	15		20
Endrin	118		99		30-150	17		20
Endrin ketone	86		66		30-150	25	Q	20
Dieldrin	106		90		30-150	17		20
4,4'-DDE	101		86		30-150	16		20
4,4'-DDD	103		86		30-150	18		20
4,4'-DDT	96		79		30-150	19		20
Endosulfan I	102		87		30-150	16		20
Endosulfan II	100		83		30-150	19		20
Endosulfan sulfate	94		74		30-150	24	Q	20
Methoxychlor	86		70		30-150	21	Q	20
cis-Chlordane	100		85		30-150	16		20
trans-Chlordane	107		93		30-150	14		20

## Lab Control Sample Analysis

Batch Quality Control

**Project Name:** COMPASS RESIDENCES  
**Project Number:** 5197-01-03-3001

**Lab Number:** L1303281  
**Report Date:** 03/04/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
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Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG592313-2 WG592313-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	92		82		30-150	A
Decachlorobiphenyl	85		72		30-150	A
2,4,5,6-Tetrachloro-m-xylene	81		72		30-150	B
Decachlorobiphenyl	89		71		30-150	B

## METALS

**Project Name:** COMPASS RESIDENCES  
**Project Number:** 5197-01-03-3001

**Lab Number:** L1303281  
**Report Date:** 03/04/13

**SAMPLE RESULTS**

Lab ID: L1303281-01  
 Client ID: MW-2  
 Sample Location: 1471 WEST FARMS RD, BRONX NY  
 Matrix: Water

Date Collected: 02/26/13 11:00  
 Date Received: 02/26/13  
 Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Westborough Lab</b>											
Aluminum, Total	0.85		mg/l	0.10	0.02	1	03/04/13 09:58	03/04/13 14:30	EPA 3005A	1,6010C	KL
Antimony, Total	ND		mg/l	0.050	0.010	1	03/04/13 09:58	03/04/13 14:30	EPA 3005A	1,6010C	KL
Arsenic, Total	ND		mg/l	0.025	0.010	5	03/04/13 09:58	03/04/13 14:20	EPA 3005A	1,6010C	KL
Barium, Total	0.039		mg/l	0.010	0.003	1	03/04/13 09:58	03/04/13 14:30	EPA 3005A	1,6010C	KL
Beryllium, Total	ND		mg/l	0.005	0.0004	1	03/04/13 09:58	03/04/13 14:30	EPA 3005A	1,6010C	KL
Cadmium, Total	0.001	J	mg/l	0.005	0.001	1	03/04/13 09:58	03/04/13 14:30	EPA 3005A	1,6010C	KL
Calcium, Total	22		mg/l	0.10	0.02	1	03/04/13 09:58	03/04/13 14:30	EPA 3005A	1,6010C	KL
Chromium, Total	0.003	J	mg/l	0.010	0.002	1	03/04/13 09:58	03/04/13 14:30	EPA 3005A	1,6010C	KL
Cobalt, Total	0.018	J	mg/l	0.020	0.005	1	03/04/13 09:58	03/04/13 14:30	EPA 3005A	1,6010C	KL
Copper, Total	ND		mg/l	0.010	0.005	1	03/04/13 09:58	03/04/13 14:30	EPA 3005A	1,6010C	KL
Iron, Total	32		mg/l	0.05	0.02	1	03/04/13 09:58	03/04/13 14:30	EPA 3005A	1,6010C	KL
Lead, Total	0.004	J	mg/l	0.010	0.003	1	03/04/13 09:58	03/04/13 14:30	EPA 3005A	1,6010C	KL
Magnesium, Total	4.6		mg/l	0.10	0.04	1	03/04/13 09:58	03/04/13 14:30	EPA 3005A	1,6010C	KL
Manganese, Total	4.23		mg/l	0.010	0.002	1	03/04/13 09:58	03/04/13 14:30	EPA 3005A	1,6010C	KL
Mercury, Total	ND		mg/l	0.0002	0.0001	1	02/27/13 21:03	02/28/13 18:49	EPA 7470A	1,7470A	JH
Nickel, Total	0.004	J	mg/l	0.025	0.004	1	03/04/13 09:58	03/04/13 14:30	EPA 3005A	1,6010C	KL
Potassium, Total	4.4		mg/l	2.5	0.80	1	03/04/13 09:58	03/04/13 14:30	EPA 3005A	1,6010C	KL
Selenium, Total	ND		mg/l	0.010	0.003	1	03/04/13 09:58	03/04/13 14:30	EPA 3005A	1,6010C	KL
Silver, Total	ND		mg/l	0.007	0.002	1	03/04/13 09:58	03/04/13 14:30	EPA 3005A	1,6010C	KL
Sodium, Total	9.6		mg/l	2.0	0.80	1	03/04/13 09:58	03/04/13 14:30	EPA 3005A	1,6010C	KL
Thallium, Total	ND		mg/l	0.020	0.006	1	03/04/13 09:58	03/04/13 14:30	EPA 3005A	1,6010C	KL
Vanadium, Total	ND		mg/l	0.010	0.002	1	03/04/13 09:58	03/04/13 14:30	EPA 3005A	1,6010C	KL
Zinc, Total	0.012	J	mg/l	0.050	0.005	1	03/04/13 09:58	03/04/13 14:30	EPA 3005A	1,6010C	KL
<b>Dissolved Metals - Westborough Lab</b>											
Aluminum, Dissolved	0.01	J	mg/l	0.10	0.002	1	02/28/13 08:31	03/01/13 09:15	EPA 3005A	1,6010C	KL
Antimony, Dissolved	ND		mg/l	0.050	0.010	1	02/28/13 08:31	03/01/13 09:15	EPA 3005A	1,6010C	KL
Arsenic, Dissolved	ND		mg/l	0.025	0.015	5	02/28/13 08:31	03/01/13 10:09	EPA 3005A	1,6010C	KL
Barium, Dissolved	0.035		mg/l	0.010	0.003	1	02/28/13 08:31	03/01/13 09:15	EPA 3005A	1,6010C	KL
Beryllium, Dissolved	ND		mg/l	0.005	0.0004	1	02/28/13 08:31	03/01/13 09:15	EPA 3005A	1,6010C	KL
Cadmium, Dissolved	0.001	J	mg/l	0.005	0.001	1	02/28/13 08:31	03/01/13 09:15	EPA 3005A	1,6010C	KL



**Project Name:** COMPASS RESIDENCES  
**Project Number:** 5197-01-03-3001

**Lab Number:** L1303281  
**Report Date:** 03/04/13

**SAMPLE RESULTS**

**Lab ID:** L1303281-01  
**Client ID:** MW-2  
**Sample Location:** 1471 WEST FARMS RD, BRONX NY  
**Matrix:** Water

**Date Collected:** 02/26/13 11:00  
**Date Received:** 02/26/13  
**Field Prep:** See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Calcium, Dissolved	23		mg/l	0.10	0.02	1	02/28/13 08:31	03/01/13 09:15	EPA 3005A	1,6010C	KL
Chromium, Dissolved	0.003	J	mg/l	0.010	0.002	1	02/28/13 08:31	03/01/13 09:15	EPA 3005A	1,6010C	KL
Cobalt, Dissolved	0.021		mg/l	0.020	0.005	1	02/28/13 08:31	03/01/13 09:15	EPA 3005A	1,6010C	KL
Copper, Dissolved	ND		mg/l	0.010	0.005	1	02/28/13 08:31	03/01/13 09:15	EPA 3005A	1,6010C	KL
Iron, Dissolved	31		mg/l	0.05	0.02	1	02/28/13 08:31	03/01/13 09:15	EPA 3005A	1,6010C	KL
Lead, Dissolved	ND		mg/l	0.010	0.003	1	02/28/13 08:31	03/01/13 09:15	EPA 3005A	1,6010C	KL
Magnesium, Dissolved	4.6		mg/l	0.10	0.04	1	02/28/13 08:31	03/01/13 09:15	EPA 3005A	1,6010C	KL
Manganese, Dissolved	4.56		mg/l	0.010	0.002	1	02/28/13 08:31	03/01/13 09:15	EPA 3005A	1,6010C	KL
Mercury, Dissolved	ND		mg/l	0.0002	0.0001	1	03/01/13 15:06	03/02/13 09:10	EPA 7470A	1,7470A	KL
Nickel, Dissolved	ND		mg/l	0.025	0.004	1	02/28/13 08:31	03/01/13 09:15	EPA 3005A	1,6010C	KL
Potassium, Dissolved	4.4		mg/l	2.5	0.80	1	02/28/13 08:31	03/01/13 09:15	EPA 3005A	1,6010C	KL
Selenium, Dissolved	ND		mg/l	0.010	0.003	1	02/28/13 08:31	03/01/13 09:15	EPA 3005A	1,6010C	KL
Silver, Dissolved	ND		mg/l	0.007	0.002	1	02/28/13 08:31	03/01/13 09:15	EPA 3005A	1,6010C	KL
Sodium, Dissolved	9.2		mg/l	2.0	0.80	1	02/28/13 08:31	03/01/13 09:15	EPA 3005A	1,6010C	KL
Thallium, Dissolved	ND		mg/l	0.020	0.006	1	02/28/13 08:31	03/01/13 09:15	EPA 3005A	1,6010C	KL
Vanadium, Dissolved	ND		mg/l	0.010	0.002	1	02/28/13 08:31	03/01/13 09:15	EPA 3005A	1,6010C	KL
Zinc, Dissolved	0.0090	J	mg/l	0.050	0.005	1	02/28/13 08:31	03/01/13 09:15	EPA 3005A	1,6010C	KL



**Project Name:** COMPASS RESIDENCES  
**Project Number:** 5197-01-03-3001

**Lab Number:** L1303281  
**Report Date:** 03/04/13

## Method Blank Analysis Batch Quality Control

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01 Batch: WG592327-1									
Mercury, Total	ND	mg/l	0.0002	0.0001	1	02/27/13 21:03	02/28/13 18:12	1,7470A	JH

### Prep Information

Digestion Method: EPA 7470A

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Westborough Lab for sample(s): 01 Batch: WG592742-1									
Mercury, Dissolved	ND	mg/l	0.0002	0.0001	1	03/01/13 15:06	03/02/13 09:06	1,7470A	KL

### Prep Information

Digestion Method: EPA 7470A

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst	
Dissolved Metals - Westborough Lab for sample(s): 01 Batch: WG593006-1										
Aluminum, Dissolved	0.04	J	mg/l	0.10	0.002	1	02/28/13 08:31	03/01/13 09:08	1,6010C	KL
Antimony, Dissolved	ND		mg/l	0.050	0.010	1	02/28/13 08:31	03/01/13 09:08	1,6010C	KL
Arsenic, Dissolved	0.006		mg/l	0.005	0.003	1	02/28/13 08:31	03/01/13 09:08	1,6010C	KL
Barium, Dissolved	ND		mg/l	0.010	0.003	1	02/28/13 08:31	03/01/13 09:08	1,6010C	KL
Beryllium, Dissolved	0.0004	J	mg/l	0.0050	0.0004	1	02/28/13 08:31	03/01/13 09:08	1,6010C	KL
Cadmium, Dissolved	ND		mg/l	0.005	0.001	1	02/28/13 08:31	03/01/13 09:08	1,6010C	KL
Calcium, Dissolved	ND		mg/l	0.10	0.02	1	02/28/13 08:31	03/01/13 09:08	1,6010C	KL
Chromium, Dissolved	ND		mg/l	0.01	0.002	1	02/28/13 08:31	03/01/13 09:08	1,6010C	KL
Cobalt, Dissolved	ND		mg/l	0.020	0.005	1	02/28/13 08:31	03/01/13 09:08	1,6010C	KL
Copper, Dissolved	ND		mg/l	0.010	0.005	1	02/28/13 08:31	03/01/13 09:08	1,6010C	KL
Iron, Dissolved	ND		mg/l	0.05	0.02	1	02/28/13 08:31	03/01/13 09:08	1,6010C	KL
Lead, Dissolved	ND		mg/l	0.010	0.003	1	02/28/13 08:31	03/01/13 09:08	1,6010C	KL
Magnesium, Dissolved	ND		mg/l	0.10	0.04	1	02/28/13 08:31	03/01/13 09:08	1,6010C	KL
Manganese, Dissolved	ND		mg/l	0.010	0.002	1	02/28/13 08:31	03/01/13 09:08	1,6010C	KL
Nickel, Dissolved	ND		mg/l	0.025	0.004	1	02/28/13 08:31	03/01/13 09:08	1,6010C	KL
Potassium, Dissolved	ND		mg/l	2.5	0.80	1	02/28/13 08:31	03/01/13 09:08	1,6010C	KL



**Project Name:** COMPASS RESIDENCES  
**Project Number:** 5197-01-03-3001

**Lab Number:** L1303281  
**Report Date:** 03/04/13

### Method Blank Analysis Batch Quality Control

Selenium, Dissolved	ND	mg/l	0.010	0.003	1	02/28/13 08:31	03/01/13 09:08	1,6010C	KL
Silver, Dissolved	ND	mg/l	0.007	0.002	1	02/28/13 08:31	03/01/13 09:08	1,6010C	KL
Sodium, Dissolved	ND	mg/l	2.0	0.80	1	02/28/13 08:31	03/01/13 09:08	1,6010C	KL
Thallium, Dissolved	ND	mg/l	0.020	0.006	1	02/28/13 08:31	03/01/13 09:08	1,6010C	KL
Vanadium, Dissolved	ND	mg/l	0.010	0.002	1	02/28/13 08:31	03/01/13 09:08	1,6010C	KL
Zinc, Dissolved	ND	mg/l	0.050	0.005	1	02/28/13 08:31	03/01/13 09:08	1,6010C	KL

#### Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01 Batch: WG593018-1										
Aluminum, Total	ND		mg/l	0.10	0.02	1	03/04/13 09:58	03/04/13 14:12	1,6010C	KL
Antimony, Total	ND		mg/l	0.050	0.010	1	03/04/13 09:58	03/04/13 14:12	1,6010C	KL
Arsenic, Total	ND		mg/l	0.005	0.002	1	03/04/13 09:58	03/04/13 14:12	1,6010C	KL
Barium, Total	ND		mg/l	0.010	0.003	1	03/04/13 09:58	03/04/13 14:12	1,6010C	KL
Beryllium, Total	ND		mg/l	0.005	0.0004	1	03/04/13 09:58	03/04/13 14:12	1,6010C	KL
Cadmium, Total	ND		mg/l	0.005	0.001	1	03/04/13 09:58	03/04/13 14:12	1,6010C	KL
Calcium, Total	0.06	J	mg/l	0.10	0.02	1	03/04/13 09:58	03/04/13 14:12	1,6010C	KL
Chromium, Total	ND		mg/l	0.01	0.002	1	03/04/13 09:58	03/04/13 14:12	1,6010C	KL
Cobalt, Total	ND		mg/l	0.020	0.005	1	03/04/13 09:58	03/04/13 14:12	1,6010C	KL
Copper, Total	ND		mg/l	0.010	0.005	1	03/04/13 09:58	03/04/13 14:12	1,6010C	KL
Iron, Total	ND		mg/l	0.05	0.02	1	03/04/13 09:58	03/04/13 14:12	1,6010C	KL
Lead, Total	ND		mg/l	0.010	0.003	1	03/04/13 09:58	03/04/13 14:12	1,6010C	KL
Magnesium, Total	ND		mg/l	0.10	0.04	1	03/04/13 09:58	03/04/13 14:12	1,6010C	KL
Manganese, Total	ND		mg/l	0.010	0.002	1	03/04/13 09:58	03/04/13 14:12	1,6010C	KL
Nickel, Total	ND		mg/l	0.025	0.004	1	03/04/13 09:58	03/04/13 14:12	1,6010C	KL
Potassium, Total	ND		mg/l	2.5	0.80	1	03/04/13 09:58	03/04/13 14:12	1,6010C	KL
Selenium, Total	ND		mg/l	0.010	0.003	1	03/04/13 09:58	03/04/13 14:12	1,6010C	KL
Silver, Total	ND		mg/l	0.007	0.002	1	03/04/13 09:58	03/04/13 14:12	1,6010C	KL
Sodium, Total	ND		mg/l	2.0	0.80	1	03/04/13 09:58	03/04/13 14:12	1,6010C	KL
Thallium, Total	ND		mg/l	0.020	0.006	1	03/04/13 09:58	03/04/13 14:12	1,6010C	KL
Vanadium, Total	ND		mg/l	0.010	0.002	1	03/04/13 09:58	03/04/13 14:12	1,6010C	KL
Zinc, Total	ND		mg/l	0.050	0.005	1	03/04/13 09:58	03/04/13 14:12	1,6010C	KL

**Project Name:** COMPASS RESIDENCES

**Lab Number:** L1303281

**Project Number:** 5197-01-03-3001

**Report Date:** 03/04/13

## **Method Blank Analysis Batch Quality Control**

### **Prep Information**

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Digestion Method: EPA 3005A

## Lab Control Sample Analysis

Batch Quality Control

**Project Name:** COMPASS RESIDENCES

**Lab Number:** L1303281

**Project Number:** 5197-01-03-3001

**Report Date:** 03/04/13

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG592327-2								
Mercury, Total	96		-		80-120	-		
Dissolved Metals - Westborough Lab Associated sample(s): 01 Batch: WG592742-2								
Mercury, Dissolved	93		-		70-130	-		

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** COMPASS RESIDENCES

**Lab Number:** L1303281

**Project Number:** 5197-01-03-3001

**Report Date:** 03/04/13

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 01 Batch: WG593006-2					
Aluminum, Dissolved	105	-	80-120	-	
Antimony, Dissolved	101	-	80-120	-	
Arsenic, Dissolved	116	-	80-120	-	
Barium, Dissolved	98	-	80-120	-	
Beryllium, Dissolved	99	-	80-120	-	
Cadmium, Dissolved	106	-	80-120	-	
Calcium, Dissolved	100	-	80-120	-	
Chromium, Dissolved	95	-	80-120	-	
Cobalt, Dissolved	97	-	80-120	-	
Copper, Dissolved	97	-	80-120	-	
Iron, Dissolved	100	-	80-120	-	
Lead, Dissolved	103	-	80-120	-	
Magnesium, Dissolved	96	-	80-120	-	
Manganese, Dissolved	96	-	80-120	-	
Nickel, Dissolved	96	-	80-120	-	
Potassium, Dissolved	100	-	80-120	-	
Selenium, Dissolved	109	-	80-120	-	
Silver, Dissolved	99	-	80-120	-	
Sodium, Dissolved	100	-	80-120	-	
Thallium, Dissolved	100	-	80-120	-	
Vanadium, Dissolved	101	-	80-120	-	

## Lab Control Sample Analysis

Batch Quality Control

**Project Name:** COMPASS RESIDENCES

**Lab Number:** L1303281

**Project Number:** 5197-01-03-3001

**Report Date:** 03/04/13

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 01 Batch: WG593006-2					
Zinc, Dissolved	99	-	80-120	-	

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** COMPASS RESIDENCES

**Lab Number:** L1303281

**Project Number:** 5197-01-03-3001

**Report Date:** 03/04/13

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG593018-2					
Aluminum, Total	105	-	80-120	-	
Antimony, Total	102	-	80-120	-	
Arsenic, Total	112	-	80-120	-	
Barium, Total	98	-	80-120	-	
Beryllium, Total	100	-	80-120	-	
Cadmium, Total	107	-	80-120	-	
Calcium, Total	100	-	80-120	-	
Chromium, Total	100	-	80-120	-	
Cobalt, Total	100	-	80-120	-	
Copper, Total	100	-	80-120	-	
Iron, Total	110	-	80-120	-	
Lead, Total	103	-	80-120	-	
Magnesium, Total	98	-	80-120	-	
Manganese, Total	96	-	80-120	-	
Nickel, Total	98	-	80-120	-	
Potassium, Total	100	-	80-120	-	
Selenium, Total	110	-	80-120	-	
Silver, Total	102	-	80-120	-	
Sodium, Total	110	-	80-120	-	
Thallium, Total	101	-	80-120	-	
Vanadium, Total	103	-	80-120	-	

## Lab Control Sample Analysis

Batch Quality Control

**Project Name:** COMPASS RESIDENCES

**Lab Number:** L1303281

**Project Number:** 5197-01-03-3001

**Report Date:** 03/04/13

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG593018-2					
Zinc, Total	101	-	80-120	-	

**Matrix Spike Analysis**  
Batch Quality Control

Project Name: COMPASS RESIDENCES

Lab Number: L1303281

Project Number: 5197-01-03-3001

Report Date: 03/04/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01    QC Batch ID: WG592327-4    QC Sample: L1303207-01    Client ID: MS Sample												
Mercury, Total	ND	0.001	0.0012	118		-	-		70-130	-		20
Dissolved Metals - Westborough Lab Associated sample(s): 01    QC Batch ID: WG592742-4    QC Sample: L1303281-01    Client ID: MW-2												
Mercury, Dissolved	ND	0.001	0.0011	109		-	-		70-130	-		20

### Matrix Spike Analysis Batch Quality Control

**Project Name:** COMPASS RESIDENCES

**Lab Number:** L1303281

**Project Number:** 5197-01-03-3001

**Report Date:** 03/04/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG593006-4 QC Sample: L1303281-01 Client ID: MW-2									
Aluminum, Dissolved	0.01J	2	2.1	105	-	-	75-125	-	20
Antimony, Dissolved	ND	0.5	0.524	105	-	-	75-125	-	20
Arsenic, Dissolved	ND	0.12	0.130	108	-	-	75-125	-	20
Barium, Dissolved	0.035	2	2.03	100	-	-	75-125	-	20
Beryllium, Dissolved	ND	0.05	0.050	100	-	-	75-125	-	20
Cadmium, Dissolved	0.001J	0.051	0.057	111	-	-	75-125	-	20
Calcium, Dissolved	23.	10	33	100	-	-	75-125	-	20
Chromium, Dissolved	0.003J	0.2	0.20	100	-	-	75-125	-	20
Cobalt, Dissolved	0.021	0.5	0.523	100	-	-	75-125	-	20
Copper, Dissolved	ND	0.25	0.251	100	-	-	75-125	-	20
Iron, Dissolved	31.	1	32	100	-	-	75-125	-	20
Lead, Dissolved	ND	0.51	0.536	105	-	-	75-125	-	20
Magnesium, Dissolved	4.6	10	14	94	-	-	75-125	-	20
Manganese, Dissolved	4.56	0.5	4.98	84	-	-	75-125	-	20
Nickel, Dissolved	ND	0.5	0.497	99	-	-	75-125	-	20
Potassium, Dissolved	4.4	10	15	106	-	-	75-125	-	20
Selenium, Dissolved	ND	0.12	0.136	113	-	-	75-125	-	20
Silver, Dissolved	ND	0.05	0.049	98	-	-	75-125	-	20
Sodium, Dissolved	9.2	10	20	108	-	-	75-125	-	20
Thallium, Dissolved	ND	0.12	0.118	98	-	-	75-125	-	20
Vanadium, Dissolved	ND	0.5	0.519	104	-	-	75-125	-	20

**Matrix Spike Analysis**  
Batch Quality Control

**Project Name:** COMPASS RESIDENCES

**Lab Number:** L1303281

**Project Number:** 5197-01-03-3001

**Report Date:** 03/04/13

<b>Parameter</b>	<b>Native Sample</b>	<b>MS Added</b>	<b>MS Found</b>	<b>MS %Recovery</b>	<b>MSD Found</b>	<b>MSD %Recovery</b>	<b>Recovery Limits</b>	<b>RPD</b>	<b>RPD Limits</b>
Dissolved Metals - Westborough Lab Associated sample(s): 01    QC Batch ID: WG593006-4    QC Sample: L1303281-01    Client ID: MW-2									
Zinc, Dissolved	0.0090J	0.5	0.519	104	-	-	75-125	-	20

### Matrix Spike Analysis Batch Quality Control

**Project Name:** COMPASS RESIDENCES  
**Project Number:** 5197-01-03-3001

**Lab Number:** L1303281  
**Report Date:** 03/04/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01    QC Batch ID: WG593018-4    QC Sample: L1303281-01    Client ID: MW-2									
Aluminum, Total	0.85	2	2.9	102	-	-	75-125	-	20
Antimony, Total	ND	0.5	0.500	100	-	-	75-125	-	20
Arsenic, Total	ND	0.12	0.121	101	-	-	75-125	-	20
Barium, Total	0.039	2	1.93	94	-	-	75-125	-	20
Beryllium, Total	ND	0.05	0.049	97	-	-	75-125	-	20
Cadmium, Total	0.001J	0.051	0.054	106	-	-	75-125	-	20
Calcium, Total	22.	10	32	100	-	-	75-125	-	20
Chromium, Total	0.003J	0.2	0.20	100	-	-	75-125	-	20
Cobalt, Total	0.018J	0.5	0.507	101	-	-	75-125	-	20
Copper, Total	ND	0.25	0.246	98	-	-	75-125	-	20
Iron, Total	32.	1	32	0	Q	-	75-125	-	20
Lead, Total	0.004J	0.51	0.515	101	-	-	75-125	-	20
Magnesium, Total	4.6	10	14	94	-	-	75-125	-	20
Manganese, Total	4.23	0.5	4.55	64	Q	-	75-125	-	20
Nickel, Total	0.004J	0.5	0.482	96	-	-	75-125	-	20
Potassium, Total	4.4	10	14	96	-	-	75-125	-	20
Selenium, Total	ND	0.12	0.132	110	-	-	75-125	-	20
Silver, Total	ND	0.05	0.051	101	-	-	75-125	-	20
Sodium, Total	9.6	10	20	104	-	-	75-125	-	20
Thallium, Total	ND	0.12	0.113	94	-	-	75-125	-	20
Vanadium, Total	ND	0.5	0.504	101	-	-	75-125	-	20

**Matrix Spike Analysis**  
Batch Quality Control

**Project Name:** COMPASS RESIDENCES

**Lab Number:** L1303281

**Project Number:** 5197-01-03-3001

**Report Date:** 03/04/13

<b>Parameter</b>	<b>Native Sample</b>	<b>MS Added</b>	<b>MS Found</b>	<b>MS %Recovery</b>	<b>MSD Found</b>	<b>MSD %Recovery</b>	<b>Recovery Limits</b>	<b>RPD</b>	<b>RPD Limits</b>
Total Metals - Westborough Lab Associated sample(s): 01    QC Batch ID: WG593018-4    QC Sample: L1303281-01    Client ID: MW-2									
Zinc, Total	0.012J	0.5	0.498	100	-	-	75-125	-	20

**Lab Duplicate Analysis**  
**Batch Quality Control**

**Project Name:** COMPASS RESIDENCES

**Project Number:** 5197-01-03-3001

**Lab Number:** L1303281

**Report Date:** 03/04/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG592327-3 QC Sample: L1303207-01 Client ID: DUP Sample						
Mercury, Total	ND	ND	mg/l	NC		20
Dissolved Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG592742-3 QC Sample: L1303281-01 Client ID: MW-2						
Mercury, Dissolved	ND	ND	mg/l	NC		20

## Lab Duplicate Analysis

Batch Quality Control

Project Name: COMPASS RESIDENCES

Project Number: 5197-01-03-3001

Lab Number: L1303281

Report Date: 03/04/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG593006-3 QC Sample: L1303281-01 Client ID: MW-2					
Aluminum, Dissolved	0.01J	0.03J	mg/l	NC	20
Antimony, Dissolved	ND	ND	mg/l	NC	20
Barium, Dissolved	0.035	0.035	mg/l	0	20
Beryllium, Dissolved	ND	ND	mg/l	NC	20
Cadmium, Dissolved	0.001J	0.001J	mg/l	NC	20
Calcium, Dissolved	23.	23	mg/l	0	20
Chromium, Dissolved	0.003J	0.003J	mg/l	NC	20
Cobalt, Dissolved	0.021	0.020	mg/l	2	20
Copper, Dissolved	ND	ND	mg/l	NC	20
Iron, Dissolved	31.	32	mg/l	3	20
Lead, Dissolved	ND	ND	mg/l	NC	20
Magnesium, Dissolved	4.6	4.6	mg/l	0	20
Manganese, Dissolved	4.56	4.59	mg/l	1	20
Nickel, Dissolved	ND	ND	mg/l	NC	20
Potassium, Dissolved	4.4	4.4	mg/l	0	20
Selenium, Dissolved	ND	ND	mg/l	NC	20
Silver, Dissolved	ND	ND	mg/l	NC	20
Sodium, Dissolved	9.2	9.3	mg/l	1	20
Thallium, Dissolved	ND	ND	mg/l	NC	20

**Lab Duplicate Analysis**  
**Batch Quality Control**

**Project Name:** COMPASS RESIDENCES

**Project Number:** 5197-01-03-3001

**Lab Number:** L1303281

**Report Date:** 03/04/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
<b>Dissolved Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG593006-3 QC Sample: L1303281-01 Client ID: MW-2</b>					
Vanadium, Dissolved	ND	ND	mg/l	NC	20
Zinc, Dissolved	0.0090J	0.009J	mg/l	NC	20
<b>Dissolved Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG593006-3 QC Sample: L1303281-01 Client ID: MW-2</b>					
Arsenic, Dissolved	ND	ND	mg/l	NC	20
<b>Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG593018-3 QC Sample: L1303281-01 Client ID: MW-2</b>					
Arsenic, Total	ND	ND	mg/l	NC	20

## Lab Duplicate Analysis

Batch Quality Control

Project Name: COMPASS RESIDENCES

Project Number: 5197-01-03-3001

Lab Number: L1303281

Report Date: 03/04/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG593018-3 QC Sample: L1303281-01 Client ID: MW-2					
Aluminum, Total	0.85	0.85	mg/l	0	20
Antimony, Total	ND	ND	mg/l	NC	20
Barium, Total	0.039	0.040	mg/l	3	20
Beryllium, Total	ND	ND	mg/l	NC	20
Cadmium, Total	0.001J	0.001J	mg/l	NC	20
Calcium, Total	22.	22	mg/l	0	20
Chromium, Total	0.003J	0.00J	mg/l	NC	20
Cobalt, Total	0.018J	0.018J	mg/l	NC	20
Copper, Total	ND	ND	mg/l	NC	20
Iron, Total	32.	32	mg/l	0	20
Lead, Total	0.004J	ND	mg/l	NC	20
Magnesium, Total	4.6	4.5	mg/l	2	20
Manganese, Total	4.23	4.16	mg/l	2	20
Nickel, Total	0.004J	0.005J	mg/l	NC	20
Potassium, Total	4.4	4.4	mg/l	0	20
Selenium, Total	ND	ND	mg/l	NC	20
Silver, Total	ND	ND	mg/l	NC	20
Sodium, Total	9.6	9.6	mg/l	0	20
Thallium, Total	ND	ND	mg/l	NC	20

## Lab Duplicate Analysis

Batch Quality Control

Project Name: COMPASS RESIDENCES

Project Number: 5197-01-03-3001

Lab Number: L1303281

Report Date: 03/04/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG593018-3 QC Sample: L1303281-01 Client ID: MW-2					
Vanadium, Total	ND	ND	mg/l	NC	20
Zinc, Total	0.012J	0.012J	mg/l	NC	20

Project Name: COMPASS RESIDENCES

Lab Number: L1303281

Project Number: 5197-01-03-3001

Report Date: 03/04/13

## Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

## Cooler Information Custody Seal

## Cooler

A Absent

## Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1303281-01A	Vial HCl preserved	A	N/A	3	Y	Absent	NYTCL-8260(14)
L1303281-01B	Vial HCl preserved	A	N/A	3	Y	Absent	NYTCL-8260(14)
L1303281-01C	Vial HCl preserved	A	N/A	3	Y	Absent	NYTCL-8260(14)
L1303281-01D	Amber 1000ml unpreserved	A	7	3	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1303281-01E	Amber 1000ml unpreserved	A	7	3	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1303281-01F	Amber 1000ml unpreserved	A	7	3	Y	Absent	NYTCL-8081(7)
L1303281-01G	Amber 1000ml unpreserved	A	7	3	Y	Absent	NYTCL-8082-1200ML(7)
L1303281-01H	Amber 1000ml unpreserved	A	7	3	Y	Absent	NYTCL-8082-1200ML(7)
L1303281-01I	Amber 1000ml unpreserved	A	7	3	Y	Absent	NYTCL-8081(7)
L1303281-01J	Plastic 500ml HNO3 preserved	A	<2	3	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1303281-01K	Plastic 500ml HNO3 preserved	A	<2	3	Y	Absent	PB-SI(180),FE-SI(180),TL-SI(180),BA-SI(180),AG-SI(180),AS-SI(180),CU-SI(180),MN-SI(180),NA-SI(180),NI-SI(180),AL-SI(180),BE-SI(180),CD-SI(180),CO-SI(180),CR-SI(180),K-SI(180),MG-SI(180),SB-SI(180),CA-SI(180),HG-S(28),SE-SI(180),V-SI(180),ZN-SI(180)

## Container Comments

L1303281-01K

\*Values in parentheses indicate holding time in days



**Project Name:** COMPASS RESIDENCES  
**Project Number:** 5197-01-03-3001

**Lab Number:** L1303281  
**Report Date:** 03/04/13

## GLOSSARY

### Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

### Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

### Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

### Data Qualifiers

- A** - Spectra identified as "Aldol Condensation Product".
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported

Report Format: DU Report with "J" Qualifiers



**Project Name:** COMPASS RESIDENCES  
**Project Number:** 5197-01-03-3001

**Lab Number:** L1303281  
**Report Date:** 03/04/13

**Data Qualifiers**

due to obvious interference.

- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with "J" Qualifiers

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**Project Name:** COMPASS RESIDENCES  
**Project Number:** 5197-01-03-3001

**Lab Number:** L1303281  
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## REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

## LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



## Certificate/Approval Program Summary

Last revised December 19, 2012 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.  
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

### Connecticut Department of Public Health Certificate/Lab ID: PH-0574. **NELAP Accredited Solid Waste/Soil.**

*Drinking Water* (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223, Enumeration and P/A), E. Coli. – Colilert (SM9223, Enumeration and P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

*Wastewater/Non-Potable Water* (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), E. Coli – Colilert (SM9223 Enumeration), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E), Enterococcus - Enterolert.

*Solid Waste/Soil* (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP (Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics & Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).)

### Maine Department of Human Services Certificate/Lab ID: 2009024.

*Drinking Water* (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 2540C, 4500CI-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

*Wastewater/Non-Potable Water* (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500CI-D, 4500CI-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 9010B, 9040B, 9030B, 7470A, 7196A, 2340B, EPA 200.7, 6010B, 6010C, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8330, 8151A, 8260B, 8260C, 8270C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

*Solid Waste/Soil* (Inorganic Parameters: 9010B, 9012A, 9014, 9030B, 9040B, 9045C, 6010B, 6010C, 6020, 6020A, 7471A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260B, 8270C, 8270D, 8330, 8151A, 8081A, 8081B, 8082, 8082A, 3540C, 3546, 3580A, 3630C, 5030B, 5035.)

### Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.

*Drinking Water* (Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; Colilert QT SM9223B; MF-SM9222D.)

*Non-Potable Water (Inorganic Parameters:* (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.

*Organic Parameters:* (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. *Microbiology Parameters:* (ColilertQT SM9223B; Enterolert-QT: SM9222D-MF.)

**New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. *NELAP Accredited.***

*Drinking Water (Inorganic Parameters:* SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. *Organic Parameters:* 504.1, 524.2.)

*Non-Potable Water (Inorganic Parameters:* SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. *Organic Parameters:* SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.)

*Solid & Chemical Materials (Inorganic Parameters:* SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. *Organic Parameters:* SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.)

**New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. *NELAP Accredited.***

*Drinking Water (Inorganic Parameters:* SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. *Organic Parameters:* EPA 332, 504.1, 524.2.)

*Non-Potable Water (Inorganic Parameters:* SM5210B, EPA 410.4, SM5220D, 4500CI-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM2520B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. *Organic Parameters:* SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by NJ Modified 8270, 8015B, NJ EPH.)

*Solid & Chemical Materials (Inorganic Parameters:* SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D, 9050A, 9065, 9251. *Organic Parameters:* SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035L, 5035H, NJ EPH.)

**New York Department of Health Certificate/Lab ID: 11148. *NELAP Accredited.***

*Drinking Water (Inorganic Parameters:* SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. *Organic Parameters:* EPA 524.2, 504.1.)

*Non-Potable Water (Inorganic Parameters:* SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6010C, 6020, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, LACHAT 10-204-00-1-A, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015, 9010C, 9030B. *Organic Parameters:* EPA 624, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 625, 608, 8081A, 8081B, 8151A, 8330, 8082, 8082A, EPA 3510C, 5030B.)

*Solid & Hazardous Waste (Inorganic Parameters:* EPA 1010A, 1030, EPA 6010B, 6010C, 7196A, 7471A, 7471B, 9012B, 9014, 9065, 9050A, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. *Organic Parameters:* EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8015B, 8015C, 8081A, 8081B, 8151A, 8330, 8082 8082A, 3540C,

3546, 3580A, 5030B, 5035A-H, 5035A-L.)

**North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. (Inorganic Parameters:** SM2310B, 2320B, 4500CI-E, 4500Cn-E, 9014, Lachat 10-204-00-1-X, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311,1312. **Organic Parameters:** 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.)

*Drinking Water Program Certificate/Lab ID:* 25700. (**Inorganic Parameters:** Chloride EPA 300.0. **Organic Parameters:** 524.2)

**Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. NELAP Accredited.**

*Drinking Water (Inorganic Parameters:* 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H+-B, 4500NO3-F, 5310C. **Organic Parameters:** EPA 524.2, 504.1)

*Non-Potable Water (Inorganic Parameters:* EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500CI-E, 4500F-B, 4500F-C, 4500H+-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. **Organic Parameters:** EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, NJ-EPH.)

*Solid & Hazardous Waste (Inorganic Parameters:* EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. **Organic Parameters:** 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, NJ-EPH.)

**Rhode Island Department of Health Certificate/Lab ID:** LAO00065. **NELAP Accredited via NJ-DEP.**

Refer to MA-DEP Certificate for Potable and Non-Potable Water.

Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

**Texas Commisison on Environmental Quality Certificate/Lab ID:** T104704476. **NELAP Accredited.**

*Non-Potable Water (Inorganic Parameters:* EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 S<sup>2-</sup> D, 510C, 5210B, 5220D, 5310C, 5540C. **Organic Parameters:** EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

*Solid & Hazardous Waste (Inorganic Parameters:* EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

**Virginia Division of Consolidated Laboratory Services Certificate/Lab ID:** 460195. **NELAP Accredited.**

*Drinking Water (Inorganic Parameters:* EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.2, 2320B, 4500F-C, 4500NO3-F, 5310C. **Organic Parameters:** EPA 504.1, 524.2.)

*Non-Potable Water (Inorganic Parameters:* EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X, 7196A, 7470A, 9010B, 9040B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CI-E, 4500F-B, 4500F-C, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C. **Organic Parameters:** EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330, )

*Solid & Hazardous Waste (Inorganic Parameters:* EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9030B, 9010B, 9012A, 9014 9040B, 9045C, 9050A, 9065. **Organic Parameters:** EPA 5030B, 5035, 3540C, 3546, 355B0, 3580A, 3630C, 6020A, 8260B, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.)

**Department of Defense, L-A-B Certificate/Lab ID:** L2217.

*Drinking Water (Inorganic Parameters:* SM 4500H-B. **Organic Parameters:** EPA 524.2, 504.1.)

*Non-Potable Water (Inorganic Parameters:* EPA 200.7, 200.8, 6010B, 6010C, 6020, 6020A, 245.1, 245.2, 7470A, 9040B, 9010B, 180.1. 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 4500CL-D, 5220D, 5310C, 2130B, 2320B, 2540C, 3005A, 3015, 9010B, 9056, 7196A, 3500-Cr-D. **Organic Parameters:** EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330A, 8082, 8082A, 8081A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

8270D, 8270C-SIM, 8270D-SIM, 8330A/B-prep, 8082, 8082A, 8081A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

**The following analytes are not included in our current NELAP/TNI Scope of Accreditation:**

**EPA 8260B:** Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnaphthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO<sub>2</sub> in a soil matrix, NO<sub>3</sub> in a soil matrix. **EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.





## ANALYTICAL REPORT

Lab Number:	L1303603
Client:	Impact Environmental 170 Keyland Ct Bohemia, NY 11716
ATTN:	Ben Hernandez-Salazar
Phone:	(631) 269-8800
Project Name:	COMPASS RESIDENCES
Project Number:	5197-01-03-3001
Report Date:	03/08/13

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

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Eight Walkup Drive, Westborough, MA 01581-1019  
508-898-9220 (Fax) 508-898-9193 800-624-9220 - [www.alphalab.com](http://www.alphalab.com)



**Project Name:** COMPASS RESIDENCES  
**Project Number:** 5197-01-03-3001

**Lab Number:** L1303603  
**Report Date:** 03/08/13

<b>Alpha Sample ID</b>	<b>Client ID</b>	<b>Sample Location</b>	<b>Collection Date/Time</b>
L1303603-01	MW-3	1471 WEST FARMS RD., BRONX, NY	03/01/13 10:30
L1303603-02	MW-4	1471 WEST FARMS RD., BRONX, NY	03/01/13 14:00

**Project Name:** COMPASS RESIDENCES  
**Project Number:** 5197-01-03-3001

**Lab Number:** L1303603  
**Report Date:** 03/08/13

### Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

#### HOLD POLICY

For samples submitted on hold, Alpha's policy is to hold samples free of charge for 30 days from the date the project is completed. After 30 days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

**Project Name:** COMPASS RESIDENCES  
**Project Number:** 5197-01-03-3001

**Lab Number:** L1303603  
**Report Date:** 03/08/13

### Case Narrative (continued)

#### Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

#### Sample Receipt

The samples were field filtered for Dissolved Metals.

#### Total Metals

The WG593428-4 MS recovery, performed on L1303603-01, is above the acceptance criteria for Mercury (132%). A post digestion spike was performed with an acceptable recovery of 112%.

#### Dissolved Metals

The WG593583-4 MS recovery, performed on L1303603-02, is below the acceptance criteria for Calcium (69%). A post digestion spike was performed with an acceptable recovery of 101%.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:



Michelle M. Morris

Title: Technical Director/Representative

Date: 03/08/13

# ORGANICS

# VOLATILES

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1303603**Project Number:** 5197-01-03-3001**Report Date:** 03/08/13**SAMPLE RESULTS**

**Lab ID:** L1303603-01  
**Client ID:** MW-3  
**Sample Location:** 1471 WEST FARMS RD., BRONX, NY  
**Matrix:** Water  
**Analytical Method:** 1,8260C  
**Analytical Date:** 03/06/13 14:32  
**Analyst:** PD

**Date Collected:** 03/01/13 10:30  
**Date Received:** 03/04/13  
**Field Prep:** See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.16	1
1,2-Dichloropropane	ND		ug/l	1.0	0.30	1
Dibromochloromethane	ND		ug/l	0.50	0.19	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.16	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.19	1
Benzene	ND		ug/l	0.50	0.19	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.18	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: COMPASS RESIDENCES

Lab Number: L1303603

Project Number: 5197-01-03-3001

Report Date: 03/08/13

## SAMPLE RESULTS

Lab ID: L1303603-01

Date Collected: 03/01/13 10:30

Client ID: MW-3

Date Received: 03/04/13

Sample Location: 1471 WEST FARMS RD., BRONX, NY

Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	4.4	J	ug/l	5.0	1.0	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.0	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	76.	1
1,4-Diethylbenzene	ND		ug/l	2.0	0.70	1
4-Ethyltoluene	ND		ug/l	2.0	0.70	1

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1303603**Project Number:** 5197-01-03-3001**Report Date:** 03/08/13**SAMPLE RESULTS**

Lab ID: L1303603-01

Date Collected: 03/01/13 10:30

Client ID: MW-3

Date Received: 03/04/13

Sample Location: 1471 WEST FARMS RD., BRONX, NY

Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	101		70-130

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1303603**Project Number:** 5197-01-03-3001**Report Date:** 03/08/13**SAMPLE RESULTS**

Lab ID: L1303603-02  
 Client ID: MW-4  
 Sample Location: 1471 WEST FARMS RD., BRONX, NY  
 Matrix: Water  
 Analytical Method: 1,8260C  
 Analytical Date: 03/06/13 15:08  
 Analyst: PD

Date Collected: 03/01/13 14:00  
 Date Received: 03/04/13  
 Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.16	1
1,2-Dichloropropane	ND		ug/l	1.0	0.30	1
Dibromochloromethane	ND		ug/l	0.50	0.19	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.16	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.19	1
Benzene	ND		ug/l	0.50	0.19	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.18	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1303603**Project Number:** 5197-01-03-3001**Report Date:** 03/08/13**SAMPLE RESULTS**

Lab ID: L1303603-02

Date Collected: 03/01/13 14:00

Client ID: MW-4

Date Received: 03/04/13

Sample Location: 1471 WEST FARMS RD., BRONX, NY

Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	1.4	J	ug/l	5.0	1.0	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.0	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	76.	1
1,4-Diethylbenzene	ND		ug/l	2.0	0.70	1
4-Ethyltoluene	ND		ug/l	2.0	0.70	1

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1303603**Project Number:** 5197-01-03-3001**Report Date:** 03/08/13**SAMPLE RESULTS**

Lab ID: L1303603-02

Date Collected: 03/01/13 14:00

Client ID: MW-4

Date Received: 03/04/13

Sample Location: 1471 WEST FARMS RD., BRONX, NY

Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	100		70-130

Project Name: COMPASS RESIDENCES

Lab Number: L1303603

Project Number: 5197-01-03-3001

Report Date: 03/08/13

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260C  
 Analytical Date: 03/06/13 11:01  
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG593637-3					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
2-Chloroethylvinyl ether	ND		ug/l	10	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.16
1,2-Dichloropropane	ND		ug/l	1.0	0.30
Dibromochloromethane	ND		ug/l	0.50	0.19
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.16
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.19
Benzene	ND		ug/l	0.50	0.19
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.33
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.18
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.17
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: COMPASS RESIDENCES

Lab Number: L1303603

Project Number: 5197-01-03-3001

Report Date: 03/08/13

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C  
 Analytical Date: 03/06/13 11:01  
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG593637-3					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Isopropyl Ether	ND		ug/l	2.0	0.65
tert-Butyl Alcohol	ND		ug/l	10	0.90
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.0
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.0
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70

Project Name: COMPASS RESIDENCES

Lab Number: L1303603

Project Number: 5197-01-03-3001

Report Date: 03/08/13

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260C  
Analytical Date: 03/06/13 11:01  
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG593637-3					
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.38
Ethyl Acetate	ND		ug/l	10	0.70
Cyclohexane	ND		ug/l	10	0.54
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.5	0.70
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	0.38
1,4-Dioxane	ND		ug/l	250	76.
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	2.5	0.70
1,4-Diethylbenzene	ND		ug/l	2.0	0.70
4-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65
Tetrahydrofuran	ND		ug/l	5.0	1.5
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.63

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	101		70-130

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: COMPASS RESIDENCES

Lab Number: L1303603

Project Number: 5197-01-03-3001

Report Date: 03/08/13

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG593637-1 WG593637-2								
Methylene chloride	89		86		70-130	3		20
1,1-Dichloroethane	99		94		70-130	5		20
Chloroform	102		98		70-130	4		20
2-Chloroethylvinyl ether	94		95		70-130	1		20
Carbon tetrachloride	90		86		63-132	5		20
1,2-Dichloropropane	98		95		70-130	3		20
Dibromochloromethane	94		91		63-130	3		20
1,1,2-Trichloroethane	100		98		70-130	2		20
Tetrachloroethene	102		96		70-130	6		20
Chlorobenzene	99		94		75-130	5		20
Trichlorofluoromethane	110		104		62-150	6		20
1,2-Dichloroethane	106		102		70-130	4		20
1,1,1-Trichloroethane	101		96		67-130	5		20
Bromodichloromethane	103		102		67-130	1		20
trans-1,3-Dichloropropene	89		87		70-130	2		20
cis-1,3-Dichloropropene	92		91		70-130	1		20
1,1-Dichloropropene	102		97		70-130	5		20
Bromoform	99		97		54-136	2		20
1,1,2,2-Tetrachloroethane	100		97		67-130	3		20
Benzene	98		94		70-130	4		20
Toluene	97		92		70-130	5		20

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: COMPASS RESIDENCES

Lab Number: L1303603

Project Number: 5197-01-03-3001

Report Date: 03/08/13

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG593637-1 WG593637-2								
Ethylbenzene	104		99		70-130	5		20
Chloromethane	47	Q	88		64-130	61	Q	20
Bromomethane	48		46		39-139	4		20
Vinyl chloride	99		96		55-140	3		20
Chloroethane	94		99		55-138	5		20
1,1-Dichloroethene	97		90		61-145	7		20
trans-1,2-Dichloroethene	98		90		70-130	9		20
Trichloroethene	102		97		70-130	5		20
1,2-Dichlorobenzene	98		95		70-130	3		20
1,3-Dichlorobenzene	99		94		70-130	5		20
1,4-Dichlorobenzene	98		93		70-130	5		20
Methyl tert butyl ether	92		90		63-130	2		20
p/m-Xylene	100		95		70-130	5		20
o-Xylene	100		96		70-130	4		20
cis-1,2-Dichloroethene	93		88		70-130	6		20
Dibromomethane	102		101		70-130	1		20
1,2,3-Trichloropropane	99		95		64-130	4		20
Acrylonitrile	96		93		70-130	3		20
Isopropyl Ether	94		92		70-130	2		20
tert-Butyl Alcohol	82		82		70-130	0		20
Styrene	107		103		70-130	4		20

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: COMPASS RESIDENCES

Lab Number: L1303603

Project Number: 5197-01-03-3001

Report Date: 03/08/13

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG593637-1 WG593637-2								
Dichlorodifluoromethane	88		80		36-147	10		20
Acetone	129		100		58-148	25	Q	20
Carbon disulfide	94		94		51-130	0		20
2-Butanone	102		94		63-138	8		20
Vinyl acetate	96		98		70-130	2		20
4-Methyl-2-pentanone	96		92		59-130	4		20
2-Hexanone	103		97		57-130	6		20
Bromochloromethane	100		95		70-130	5		20
2,2-Dichloropropane	82		81		63-133	1		20
1,2-Dibromoethane	99		96		70-130	3		20
1,3-Dichloropropane	98		97		70-130	1		20
1,1,1,2-Tetrachloroethane	93		91		64-130	2		20
Bromobenzene	98		93		70-130	5		20
n-Butylbenzene	105		102		53-136	3		20
sec-Butylbenzene	102		95		70-130	7		20
tert-Butylbenzene	97		92		70-130	5		20
o-Chlorotoluene	100		95		70-130	5		20
p-Chlorotoluene	100		94		70-130	6		20
1,2-Dibromo-3-chloropropane	99		101		41-144	2		20
Hexachlorobutadiene	98		96		63-130	2		20
Isopropylbenzene	101		98		70-130	3		20

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: COMPASS RESIDENCES

Lab Number: L1303603

Project Number: 5197-01-03-3001

Report Date: 03/08/13

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG593637-1 WG593637-2								
p-Isopropyltoluene	101		96		70-130	5		20
Naphthalene	94		111		70-130	17		20
n-Propylbenzene	103		96		69-130	7		20
1,2,3-Trichlorobenzene	97		102		70-130	5		20
1,2,4-Trichlorobenzene	96		102		70-130	6		20
1,3,5-Trimethylbenzene	101		95		64-130	6		20
1,2,4-Trimethylbenzene	103		99		70-130	4		20
Methyl Acetate	89		86		70-130	3		20
Ethyl Acetate	100		98		70-130	2		20
Cyclohexane	96		90		70-130	6		20
Ethyl-Tert-Butyl-Ether	87		86		70-130	1		20
Tertiary-Amyl Methyl Ether	87		87		66-130	0		20
1,4-Dioxane	99		97		56-162	2		20
1,1,2-Trichloro-1,2,2-Trifluoroethane	111		103		70-130	7		20
1,4-Diethylbenzene	108		118		70-130	9		20
4-Ethyltoluene	104		97		70-130	7		20
1,2,4,5-Tetramethylbenzene	100		97		70-130	3		20
Ethyl ether	99		99		59-134	0		20
trans-1,4-Dichloro-2-butene	91		91		70-130	0		20
Methyl cyclohexane	98		92		70-130	6		20

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: COMPASS RESIDENCES

Lab Number: L1303603

Project Number: 5197-01-03-3001

Report Date: 03/08/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
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Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG593637-1 WG593637-2

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	105		106		70-130
Toluene-d8	98		98		70-130
4-Bromofluorobenzene	96		97		70-130
Dibromofluoromethane	101		102		70-130

# SEMIVOLATILES

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1303603**Project Number:** 5197-01-03-3001**Report Date:** 03/08/13**SAMPLE RESULTS**

Lab ID: L1303603-01  
 Client ID: MW-3  
 Sample Location: 1471 WEST FARMS RD., BRONX, NY  
 Matrix: Water  
 Analytical Method: 1,8270D  
 Analytical Date: 03/08/13 01:50  
 Analyst: RC

Date Collected: 03/01/13 10:30  
 Date Received: 03/04/13  
 Field Prep: See Narrative  
 Extraction Method: EPA 3510C  
 Extraction Date: 03/05/13 02:05

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.67	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.55	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.55	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.55	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.85	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.45	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.46	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.61	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.67	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.50	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.40	1
Hexachlorocyclopentadiene	ND		ug/l	20	2.1	1
Isophorone	ND		ug/l	5.0	0.35	1
Nitrobenzene	ND		ug/l	2.0	0.50	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.70	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.39	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	1.4	1
Butyl benzyl phthalate	ND		ug/l	5.0	0.46	1
Di-n-butylphthalate	ND		ug/l	5.0	0.54	1
Di-n-octylphthalate	ND		ug/l	5.0	0.53	1
Diethyl phthalate	ND		ug/l	5.0	0.45	1
Dimethyl phthalate	ND		ug/l	5.0	0.45	1
Biphenyl	ND		ug/l	2.0	0.50	1
4-Chloroaniline	ND		ug/l	5.0	0.83	1
2-Nitroaniline	ND		ug/l	5.0	0.40	1
3-Nitroaniline	ND		ug/l	5.0	0.59	1
4-Nitroaniline	ND		ug/l	5.0	0.55	1
Dibenzofuran	ND		ug/l	2.0	0.47	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.65	1
Acetophenone	ND		ug/l	5.0	0.55	1

Project Name: COMPASS RESIDENCES

Lab Number: L1303603

Project Number: 5197-01-03-3001

Report Date: 03/08/13

## SAMPLE RESULTS

Lab ID: L1303603-01

Date Collected: 03/01/13 10:30

Client ID: MW-3

Date Received: 03/04/13

Sample Location: 1471 WEST FARMS RD., BRONX, NY

Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.45	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.50	1
2-Chlorophenol	ND		ug/l	2.0	0.34	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.43	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.2	1
2-Nitrophenol	ND		ug/l	10	0.48	1
4-Nitrophenol	ND		ug/l	10	1.2	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	0.59	1
Phenol	ND		ug/l	5.0	0.26	1
2-Methylphenol	ND		ug/l	5.0	0.53	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.47	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.45	1
Benzoic Acid	1.2	J	ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.47	1
Carbazole	ND		ug/l	2.0	0.53	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	47		21-120
Phenol-d6	30		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	80		15-120
2,4,6-Tribromophenol	90		10-120
4-Terphenyl-d14	98		41-149

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1303603**Project Number:** 5197-01-03-3001**Report Date:** 03/08/13**SAMPLE RESULTS**

Lab ID: L1303603-01  
 Client ID: MW-3  
 Sample Location: 1471 WEST FARMS RD., BRONX, NY  
 Matrix: Water  
 Analytical Method: 1,8270D-SIM  
 Analytical Date: 03/06/13 13:12  
 Analyst: JC

Date Collected: 03/01/13 10:30  
 Date Received: 03/04/13  
 Field Prep: See Narrative  
 Extraction Method: EPA 3510C  
 Extraction Date: 03/05/13 02:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS-SIM - Westborough Lab</b>						
Acenaphthene	0.14	J	ug/l	0.20	0.06	1
2-Chloronaphthalene	ND		ug/l	0.20	0.07	1
Fluoranthene	0.09	J	ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.07	1
Naphthalene	0.15	J	ug/l	0.20	0.06	1
Benzo(a)anthracene	ND		ug/l	0.20	0.06	1
Benzo(a)pyrene	ND		ug/l	0.20	0.07	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.07	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07	1
Chrysene	ND		ug/l	0.20	0.05	1
Acenaphthylene	ND		ug/l	0.20	0.05	1
Anthracene	ND		ug/l	0.20	0.06	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.07	1
Fluorene	0.09	J	ug/l	0.20	0.06	1
Phenanthrene	0.16	J	ug/l	0.20	0.06	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.08	1
Pyrene	0.08	J	ug/l	0.20	0.06	1
2-Methylnaphthalene	0.11	J	ug/l	0.20	0.06	1
Pentachlorophenol	ND		ug/l	0.80	0.19	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.07	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	49		21-120
Phenol-d6	32		10-120
Nitrobenzene-d5	76		23-120
2-Fluorobiphenyl	79		15-120
2,4,6-Tribromophenol	96		10-120
4-Terphenyl-d14	89		41-149

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1303603**Project Number:** 5197-01-03-3001**Report Date:** 03/08/13**SAMPLE RESULTS**

Lab ID: L1303603-02  
 Client ID: MW-4  
 Sample Location: 1471 WEST FARMS RD., BRONX, NY  
 Matrix: Water  
 Analytical Method: 1,8270D  
 Analytical Date: 03/08/13 02:17  
 Analyst: RC

Date Collected: 03/01/13 14:00  
 Date Received: 03/04/13  
 Field Prep: See Narrative  
 Extraction Method: EPA 3510C  
 Extraction Date: 03/05/13 02:05

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.67	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.55	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.55	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.55	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.85	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.45	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.46	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.61	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.67	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.50	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.40	1
Hexachlorocyclopentadiene	ND		ug/l	20	2.1	1
Isophorone	ND		ug/l	5.0	0.35	1
Nitrobenzene	ND		ug/l	2.0	0.50	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.70	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.39	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	1.4	1
Butyl benzyl phthalate	ND		ug/l	5.0	0.46	1
Di-n-butylphthalate	ND		ug/l	5.0	0.54	1
Di-n-octylphthalate	ND		ug/l	5.0	0.53	1
Diethyl phthalate	ND		ug/l	5.0	0.45	1
Dimethyl phthalate	ND		ug/l	5.0	0.45	1
Biphenyl	ND		ug/l	2.0	0.50	1
4-Chloroaniline	ND		ug/l	5.0	0.83	1
2-Nitroaniline	ND		ug/l	5.0	0.40	1
3-Nitroaniline	ND		ug/l	5.0	0.59	1
4-Nitroaniline	ND		ug/l	5.0	0.55	1
Dibenzofuran	ND		ug/l	2.0	0.47	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.65	1
Acetophenone	ND		ug/l	5.0	0.55	1

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1303603**Project Number:** 5197-01-03-3001**Report Date:** 03/08/13**SAMPLE RESULTS**

Lab ID: L1303603-02

Date Collected: 03/01/13 14:00

Client ID: MW-4

Date Received: 03/04/13

Sample Location: 1471 WEST FARMS RD., BRONX, NY

Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.45	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.50	1
2-Chlorophenol	ND		ug/l	2.0	0.34	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.43	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.2	1
2-Nitrophenol	ND		ug/l	10	0.48	1
4-Nitrophenol	ND		ug/l	10	1.2	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	0.59	1
Phenol	ND		ug/l	5.0	0.26	1
2-Methylphenol	ND		ug/l	5.0	0.53	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.47	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.45	1
Benzoic Acid	ND		ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.47	1
Carbazole	ND		ug/l	2.0	0.53	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	39		21-120
Phenol-d6	24		10-120
Nitrobenzene-d5	57		23-120
2-Fluorobiphenyl	61		15-120
2,4,6-Tribromophenol	74		10-120
4-Terphenyl-d14	79		41-149

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1303603**Project Number:** 5197-01-03-3001**Report Date:** 03/08/13**SAMPLE RESULTS**

Lab ID: L1303603-02  
 Client ID: MW-4  
 Sample Location: 1471 WEST FARMS RD., BRONX, NY  
 Matrix: Water  
 Analytical Method: 1,8270D-SIM  
 Analytical Date: 03/06/13 13:57  
 Analyst: JC

Date Collected: 03/01/13 14:00  
 Date Received: 03/04/13  
 Field Prep: See Narrative  
 Extraction Method: EPA 3510C  
 Extraction Date: 03/05/13 02:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS-SIM - Westborough Lab</b>						
Acenaphthene	ND		ug/l	0.20	0.06	1
2-Chloronaphthalene	ND		ug/l	0.20	0.07	1
Fluoranthene	ND		ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.07	1
Naphthalene	ND		ug/l	0.20	0.06	1
Benzo(a)anthracene	ND		ug/l	0.20	0.06	1
Benzo(a)pyrene	ND		ug/l	0.20	0.07	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.07	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07	1
Chrysene	ND		ug/l	0.20	0.05	1
Acenaphthylene	ND		ug/l	0.20	0.05	1
Anthracene	ND		ug/l	0.20	0.06	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.07	1
Fluorene	ND		ug/l	0.20	0.06	1
Phenanthrene	ND		ug/l	0.20	0.06	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.08	1
Pyrene	ND		ug/l	0.20	0.06	1
2-Methylnaphthalene	ND		ug/l	0.20	0.06	1
Pentachlorophenol	ND		ug/l	0.80	0.19	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.07	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	39		21-120
Phenol-d6	26		10-120
Nitrobenzene-d5	56		23-120
2-Fluorobiphenyl	59		15-120
2,4,6-Tribromophenol	81		10-120
4-Terphenyl-d14	75		41-149

Project Name: COMPASS RESIDENCES

Lab Number: L1303603

Project Number: 5197-01-03-3001

Report Date: 03/08/13

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8270D  
 Analytical Date: 03/07/13 10:14  
 Analyst: RC

Extraction Method: EPA 3510C  
 Extraction Date: 03/05/13 02:05

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG593211-1					
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.67
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39
1,2-Dichlorobenzene	ND		ug/l	2.0	0.55
1,3-Dichlorobenzene	ND		ug/l	2.0	0.55
1,4-Dichlorobenzene	ND		ug/l	2.0	0.55
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.85
2,4-Dinitrotoluene	ND		ug/l	5.0	0.45
2,6-Dinitrotoluene	ND		ug/l	5.0	0.46
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.61
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.67
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.50
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.40
Hexachlorocyclopentadiene	ND		ug/l	20	2.1
Isophorone	ND		ug/l	5.0	0.35
Nitrobenzene	ND		ug/l	2.0	0.50
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.70
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.39
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	1.4
Butyl benzyl phthalate	ND		ug/l	5.0	0.46
Di-n-butylphthalate	ND		ug/l	5.0	0.54
Di-n-octylphthalate	ND		ug/l	5.0	0.53
Diethyl phthalate	ND		ug/l	5.0	0.45
Dimethyl phthalate	ND		ug/l	5.0	0.45
Biphenyl	ND		ug/l	2.0	0.50
4-Chloroaniline	ND		ug/l	5.0	0.83
2-Nitroaniline	ND		ug/l	5.0	0.40
3-Nitroaniline	ND		ug/l	5.0	0.59
4-Nitroaniline	ND		ug/l	5.0	0.55
Dibenzofuran	ND		ug/l	2.0	0.47
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.65
Acetophenone	ND		ug/l	5.0	0.55

Project Name: COMPASS RESIDENCES

Lab Number: L1303603

Project Number: 5197-01-03-3001

Report Date: 03/08/13

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8270D  
 Analytical Date: 03/07/13 10:14  
 Analyst: RC

Extraction Method: EPA 3510C  
 Extraction Date: 03/05/13 02:05

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG593211-1					
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.45
P-Chloro-M-Cresol	ND		ug/l	2.0	0.50
2-Chlorophenol	ND		ug/l	2.0	0.34
2,4-Dichlorophenol	ND		ug/l	5.0	0.43
2,4-Dimethylphenol	ND		ug/l	5.0	1.2
2-Nitrophenol	ND		ug/l	10	0.48
4-Nitrophenol	ND		ug/l	10	1.2
2,4-Dinitrophenol	ND		ug/l	20	1.4
4,6-Dinitro-o-cresol	ND		ug/l	10	0.59
Phenol	ND		ug/l	5.0	0.26
2-Methylphenol	ND		ug/l	5.0	0.53
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.47
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.45
Benzoic Acid	ND		ug/l	50	1.0
Benzyl Alcohol	ND		ug/l	2.0	0.47
Carbazole	ND		ug/l	2.0	0.53

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	47		21-120
Phenol-d6	30		10-120
Nitrobenzene-d5	67		23-120
2-Fluorobiphenyl	77		15-120
2,4,6-Tribromophenol	76		10-120
4-Terphenyl-d14	93		41-149

Project Name: COMPASS RESIDENCES

Lab Number: L1303603

Project Number: 5197-01-03-3001

Report Date: 03/08/13

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8270D-SIM  
 Analytical Date: 03/06/13 11:47  
 Analyst: JC

Extraction Method: EPA 3510C  
 Extraction Date: 03/05/13 02:04

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-02 Batch: WG593212-1					
Acenaphthene	ND		ug/l	0.20	0.06
2-Chloronaphthalene	ND		ug/l	0.20	0.07
Fluoranthene	ND		ug/l	0.20	0.04
Hexachlorobutadiene	ND		ug/l	0.50	0.07
Naphthalene	ND		ug/l	0.20	0.06
Benzo(a)anthracene	ND		ug/l	0.20	0.06
Benzo(a)pyrene	ND		ug/l	0.20	0.07
Benzo(b)fluoranthene	ND		ug/l	0.20	0.07
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07
Chrysene	ND		ug/l	0.20	0.05
Acenaphthylene	ND		ug/l	0.20	0.05
Anthracene	ND		ug/l	0.20	0.06
Benzo(ghi)perylene	ND		ug/l	0.20	0.07
Fluorene	ND		ug/l	0.20	0.06
Phenanthrene	ND		ug/l	0.20	0.06
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.08
Pyrene	ND		ug/l	0.20	0.06
2-Methylnaphthalene	ND		ug/l	0.20	0.06
Pentachlorophenol	ND		ug/l	0.80	0.19
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.07

Project Name: COMPASS RESIDENCES

Lab Number: L1303603

Project Number: 5197-01-03-3001

Report Date: 03/08/13

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8270D-SIM  
 Analytical Date: 03/06/13 11:47  
 Analyst: JC

Extraction Method: EPA 3510C  
 Extraction Date: 03/05/13 02:04

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-02 Batch: WG593212-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	45		21-120
Phenol-d6	31		10-120
Nitrobenzene-d5	68		23-120
2-Fluorobiphenyl	68		15-120
2,4,6-Tribromophenol	84		10-120
4-Terphenyl-d14	89		41-149

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: COMPASS RESIDENCES

Lab Number: L1303603

Project Number: 5197-01-03-3001

Report Date: 03/08/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG593211-2 WG593211-3								
1,2,4-Trichlorobenzene	77		80		39-98	4		30
Bis(2-chloroethyl)ether	70		73		40-140	4		30
1,2-Dichlorobenzene	69		71		40-140	3		30
1,3-Dichlorobenzene	67		70		40-140	4		30
1,4-Dichlorobenzene	67		70		36-97	4		30
3,3'-Dichlorobenzidine	70		72		40-140	3		30
2,4-Dinitrotoluene	103	Q	102	Q	24-96	1		30
2,6-Dinitrotoluene	100		98		40-140	2		30
4-Chlorophenyl phenyl ether	87		89		40-140	2		30
4-Bromophenyl phenyl ether	97		98		40-140	1		30
Bis(2-chloroisopropyl)ether	71		73		40-140	3		30
Bis(2-chloroethoxy)methane	73		75		40-140	3		30
Hexachlorocyclopentadiene	69		69		40-140	0		30
Isophorone	75		76		40-140	1		30
Nitrobenzene	74		77		40-140	4		30
NitrosoDiPhenylAmine(NDPA)/DPA	91		92		40-140	1		30
n-Nitrosodi-n-propylamine	76		75		29-132	1		30
Bis(2-Ethylhexyl)phthalate	99		99		40-140	0		30
Butyl benzyl phthalate	100		97		40-140	3		30
Di-n-butylphthalate	96		95		40-140	1		30
Di-n-octylphthalate	106		106		40-140	0		30

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: COMPASS RESIDENCES

Lab Number: L1303603

Project Number: 5197-01-03-3001

Report Date: 03/08/13

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG593211-2 WG593211-3								
Diethyl phthalate	91		91		40-140	0		30
Dimethyl phthalate	89		91		40-140	2		30
Biphenyl	77		78			1		30
4-Chloroaniline	44		45		40-140	2		30
2-Nitroaniline	99		100		52-143	1		30
3-Nitroaniline	46		46		25-145	0		30
4-Nitroaniline	89		93		51-143	4		30
Dibenzofuran	87		87		40-140	0		30
1,2,4,5-Tetrachlorobenzene	75		78		2-134	4		30
Acetophenone	76		79		39-129	4		30
2,4,6-Trichlorophenol	92		96		30-130	4		30
P-Chloro-M-Cresol	90		91		23-97	1		30
2-Chlorophenol	76		80		27-123	5		30
2,4-Dichlorophenol	88		91		30-130	3		30
2,4-Dimethylphenol	85		87		30-130	2		30
2-Nitrophenol	87		91		30-130	4		30
4-Nitrophenol	43		43		10-80	0		30
2,4-Dinitrophenol	93		91		20-130	2		30
4,6-Dinitro-o-cresol	99		98		20-164	1		30
Phenol	38		40		12-110	5		30
2-Methylphenol	71		74		30-130	4		30

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: COMPASS RESIDENCES

Lab Number: L1303603

Project Number: 5197-01-03-3001

Report Date: 03/08/13

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG593211-2 WG593211-3								
3-Methylphenol/4-Methylphenol	71		72		30-130	1		30
2,4,5-Trichlorophenol	96		97		30-130	1		30
Benzoic Acid	23		25			8		30
Benzyl Alcohol	64		65			2		30
Carbazole	92		93		55-144	1		30

Surrogate	LCS		LCSD		Acceptance Criteria
	%Recovery	Qual	%Recovery	Qual	
2-Fluorophenol	57		59		21-120
Phenol-d6	39		39		10-120
Nitrobenzene-d5	78		79		23-120
2-Fluorobiphenyl	90		90		15-120
2,4,6-Tribromophenol	105		108		10-120
4-Terphenyl-d14	99		99		41-149

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: COMPASS RESIDENCES

Lab Number: L1303603

Project Number: 5197-01-03-3001

Report Date: 03/08/13

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-02 Batch: WG593212-2 WG593212-3								
Acenaphthene	68		78		37-111	14		40
2-Chloronaphthalene	73		85		40-140	15		40
Fluoranthene	79		87		40-140	10		40
Hexachlorobutadiene	60		68		40-140	13		40
Naphthalene	69		78		40-140	12		40
Benzo(a)anthracene	80		87		40-140	8		40
Benzo(a)pyrene	76		83		40-140	9		40
Benzo(b)fluoranthene	79		84		40-140	6		40
Benzo(k)fluoranthene	83		89		40-140	7		40
Chrysene	73		77		40-140	5		40
Acenaphthylene	79		90		40-140	13		40
Anthracene	69		80		40-140	15		40
Benzo(ghi)perylene	71		79		40-140	11		40
Fluorene	81		87		40-140	7		40
Phenanthrene	71		81		40-140	13		40
Dibenzo(a,h)anthracene	73		78		40-140	7		40
Indeno(1,2,3-cd)Pyrene	70		78		40-140	11		40
Pyrene	75		82		26-127	9		40
2-Methylnaphthalene	73		85		40-140	15		40
Pentachlorophenol	91		101		9-103	10		40
Hexachlorobenzene	62		66		40-140	6		40

### Lab Control Sample Analysis Batch Quality Control

**Project Name:** COMPASS RESIDENCES  
**Project Number:** 5197-01-03-3001

**Lab Number:** L1303603  
**Report Date:** 03/08/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-02 Batch: WG593212-2 WG593212-3								
Hexachloroethane	67		74		40-140	10		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	51		55		21-120
Phenol-d6	36		41		10-120
Nitrobenzene-d5	72		82		23-120
2-Fluorobiphenyl	75		86		15-120
2,4,6-Tribromophenol	89		92		10-120
4-Terphenyl-d14	88		99		41-149

# PCBS

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1303603**Project Number:** 5197-01-03-3001**Report Date:** 03/08/13**SAMPLE RESULTS**

Lab ID: L1303603-01  
 Client ID: MW-3  
 Sample Location: 1471 WEST FARMS RD., BRONX, NY  
 Matrix: Water  
 Analytical Method: 1,8082A  
 Analytical Date: 03/05/13 15:27  
 Analyst: JW

Date Collected: 03/01/13 10:30  
 Date Received: 03/04/13  
 Field Prep: See Narrative  
 Extraction Method: EPA 3510C  
 Extraction Date: 03/04/13 23:35  
 Cleanup Method1: EPA 3665A  
 Cleanup Date1: 03/05/13  
 Cleanup Method2: EPA 3660B  
 Cleanup Date2: 03/05/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1016	ND		ug/l	0.083	0.055	1
Aroclor 1221	ND		ug/l	0.083	0.053	1
Aroclor 1232	ND		ug/l	0.083	0.031	1
Aroclor 1242	ND		ug/l	0.083	0.060	1
Aroclor 1248	ND		ug/l	0.083	0.051	1
Aroclor 1254	ND		ug/l	0.083	0.034	1
Aroclor 1260	ND		ug/l	0.083	0.032	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	100		30-150
Decachlorobiphenyl	88		30-150
2,4,5,6-Tetrachloro-m-xylene	88		30-150
Decachlorobiphenyl	101		30-150

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1303603**Project Number:** 5197-01-03-3001**Report Date:** 03/08/13**SAMPLE RESULTS**

Lab ID: L1303603-02  
 Client ID: MW-4  
 Sample Location: 1471 WEST FARMS RD., BRONX, NY  
 Matrix: Water  
 Analytical Method: 1,8082A  
 Analytical Date: 03/05/13 15:40  
 Analyst: JW

Date Collected: 03/01/13 14:00  
 Date Received: 03/04/13  
 Field Prep: See Narrative  
 Extraction Method: EPA 3510C  
 Extraction Date: 03/04/13 23:35  
 Cleanup Method1: EPA 3665A  
 Cleanup Date1: 03/05/13  
 Cleanup Method2: EPA 3660B  
 Cleanup Date2: 03/05/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1016	ND		ug/l	0.083	0.055	1
Aroclor 1221	ND		ug/l	0.083	0.053	1
Aroclor 1232	ND		ug/l	0.083	0.031	1
Aroclor 1242	ND		ug/l	0.083	0.060	1
Aroclor 1248	ND		ug/l	0.083	0.051	1
Aroclor 1254	ND		ug/l	0.083	0.034	1
Aroclor 1260	ND		ug/l	0.083	0.032	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	90		30-150
Decachlorobiphenyl	84		30-150
2,4,5,6-Tetrachloro-m-xylene	81		30-150
Decachlorobiphenyl	97		30-150

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1303603**Project Number:** 5197-01-03-3001**Report Date:** 03/08/13

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8082A  
 Analytical Date: 03/05/13 14:47  
 Analyst: JW

Extraction Method: EPA 3510C  
 Extraction Date: 03/04/13 23:35  
 Cleanup Method1: EPA 3665A  
 Cleanup Date1: 03/05/13  
 Cleanup Method2: EPA 3660B  
 Cleanup Date2: 03/05/13

Parameter	Result	Qualifier	Units	RL	MDL
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-02 Batch: WG593195-1					
Aroclor 1016	ND		ug/l	0.083	0.055
Aroclor 1221	ND		ug/l	0.083	0.053
Aroclor 1232	ND		ug/l	0.083	0.031
Aroclor 1242	ND		ug/l	0.083	0.060
Aroclor 1248	ND		ug/l	0.083	0.051
Aroclor 1254	ND		ug/l	0.083	0.034
Aroclor 1260	ND		ug/l	0.083	0.032

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	83		30-150
Decachlorobiphenyl	83		30-150
2,4,5,6-Tetrachloro-m-xylene	75		30-150
Decachlorobiphenyl	98		30-150

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: COMPASS RESIDENCES

Lab Number: L1303603

Project Number: 5197-01-03-3001

Report Date: 03/08/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG593195-2 WG593195-3								
Aroclor 1016	95		107		40-140	12		50
Aroclor 1260	85		95		40-140	11		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	91		100		30-150
Decachlorobiphenyl	95		104		30-150
2,4,5,6-Tetrachloro-m-xylene	81		89		30-150
Decachlorobiphenyl	111		122		30-150

# PESTICIDES

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1303603**Project Number:** 5197-01-03-3001**Report Date:** 03/08/13**SAMPLE RESULTS**

Lab ID: L1303603-01  
 Client ID: MW-3  
 Sample Location: 1471 WEST FARMS RD., BRONX, NY  
 Matrix: Water  
 Analytical Method: 1,8081B  
 Analytical Date: 03/06/13 14:09  
 Analyst: BW

Date Collected: 03/01/13 10:30  
 Date Received: 03/04/13  
 Field Prep: See Narrative  
 Extraction Method: EPA 3510C  
 Extraction Date: 03/05/13 03:19  
 Cleanup Method1: EPA 3620B  
 Cleanup Date1: 03/05/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Organochlorine Pesticides by GC - Westborough Lab</b>						
Delta-BHC	ND		ug/l	0.020	0.005	1
Lindane	ND		ug/l	0.020	0.004	1
Alpha-BHC	ND		ug/l	0.020	0.004	1
Beta-BHC	ND		ug/l	0.020	0.006	1
Heptachlor	ND		ug/l	0.020	0.003	1
Aldrin	ND		ug/l	0.020	0.002	1
Heptachlor epoxide	ND		ug/l	0.020	0.004	1
Endrin	ND		ug/l	0.040	0.004	1
Endrin ketone	ND		ug/l	0.040	0.005	1
Dieldrin	ND		ug/l	0.040	0.004	1
4,4'-DDE	ND		ug/l	0.040	0.004	1
4,4'-DDD	ND		ug/l	0.040	0.005	1
4,4'-DDT	ND		ug/l	0.040	0.004	1
Endosulfan I	ND		ug/l	0.020	0.003	1
Endosulfan II	ND		ug/l	0.040	0.005	1
Endosulfan sulfate	ND		ug/l	0.040	0.005	1
Methoxychlor	ND		ug/l	0.200	0.007	1
Toxaphene	ND		ug/l	0.200	0.063	1
cis-Chlordane	ND		ug/l	0.020	0.007	1
trans-Chlordane	ND		ug/l	0.020	0.006	1
Chlordane	ND		ug/l	0.200	0.046	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		30-150	A
Decachlorobiphenyl	75		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		30-150	B
Decachlorobiphenyl	84		30-150	B

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1303603**Project Number:** 5197-01-03-3001**Report Date:** 03/08/13**SAMPLE RESULTS**

Lab ID: L1303603-02  
 Client ID: MW-4  
 Sample Location: 1471 WEST FARMS RD., BRONX, NY  
 Matrix: Water  
 Analytical Method: 1,8081B  
 Analytical Date: 03/06/13 14:22  
 Analyst: BW

Date Collected: 03/01/13 14:00  
 Date Received: 03/04/13  
 Field Prep: See Narrative  
 Extraction Method: EPA 3510C  
 Extraction Date: 03/05/13 03:19  
 Cleanup Method1: EPA 3620B  
 Cleanup Date1: 03/05/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Organochlorine Pesticides by GC - Westborough Lab</b>						
Delta-BHC	ND		ug/l	0.020	0.005	1
Lindane	ND		ug/l	0.020	0.004	1
Alpha-BHC	ND		ug/l	0.020	0.004	1
Beta-BHC	ND		ug/l	0.020	0.006	1
Heptachlor	ND		ug/l	0.020	0.003	1
Aldrin	ND		ug/l	0.020	0.002	1
Heptachlor epoxide	ND		ug/l	0.020	0.004	1
Endrin	ND		ug/l	0.040	0.004	1
Endrin ketone	ND		ug/l	0.040	0.005	1
Dieldrin	ND		ug/l	0.040	0.004	1
4,4'-DDE	ND		ug/l	0.040	0.004	1
4,4'-DDD	ND		ug/l	0.040	0.005	1
4,4'-DDT	0.008	J	ug/l	0.040	0.004	1
Endosulfan I	ND		ug/l	0.020	0.003	1
Endosulfan II	ND		ug/l	0.040	0.005	1
Endosulfan sulfate	ND		ug/l	0.040	0.005	1
Methoxychlor	ND		ug/l	0.200	0.007	1
Toxaphene	ND		ug/l	0.200	0.063	1
cis-Chlordane	ND		ug/l	0.020	0.007	1
trans-Chlordane	ND		ug/l	0.020	0.006	1
Chlordane	ND		ug/l	0.200	0.046	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		30-150	A
Decachlorobiphenyl	84		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	83		30-150	B

Project Name: COMPASS RESIDENCES

Lab Number: L1303603

Project Number: 5197-01-03-3001

Report Date: 03/08/13

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8081B  
Analytical Date: 03/06/13 13:56  
Analyst: BW

Extraction Method: EPA 3510C  
Extraction Date: 03/05/13 03:19  
Cleanup Method1: EPA 3620B  
Cleanup Date1: 03/05/13

Parameter	Result	Qualifier	Units	RL	MDL
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-02 Batch: WG593218-1					
Delta-BHC	ND		ug/l	0.020	0.005
Lindane	ND		ug/l	0.020	0.004
Alpha-BHC	ND		ug/l	0.020	0.004
Beta-BHC	ND		ug/l	0.020	0.006
Heptachlor	ND		ug/l	0.020	0.003
Aldrin	ND		ug/l	0.020	0.002
Heptachlor epoxide	ND		ug/l	0.020	0.004
Endrin	ND		ug/l	0.040	0.004
Endrin ketone	ND		ug/l	0.040	0.005
Dieldrin	ND		ug/l	0.040	0.004
4,4'-DDE	ND		ug/l	0.040	0.004
4,4'-DDD	ND		ug/l	0.040	0.005
4,4'-DDT	ND		ug/l	0.040	0.004
Endosulfan I	ND		ug/l	0.020	0.003
Endosulfan II	ND		ug/l	0.040	0.005
Endosulfan sulfate	ND		ug/l	0.040	0.005
Methoxychlor	ND		ug/l	0.200	0.007
Toxaphene	ND		ug/l	0.200	0.063
cis-Chlordane	ND		ug/l	0.020	0.007
trans-Chlordane	ND		ug/l	0.020	0.006
Chlordane	ND		ug/l	0.200	0.046

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	79		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	98		30-150	B

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: COMPASS RESIDENCES

Lab Number: L1303603

Project Number: 5197-01-03-3001

Report Date: 03/08/13

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG593218-2 WG593218-3								
Delta-BHC	86		99		30-150	14		20
Lindane	90		104		30-150	15		20
Alpha-BHC	89		103		30-150	15		20
Beta-BHC	91		104		30-150	14		20
Heptachlor	85		98		30-150	13		20
Aldrin	85		97		30-150	13		20
Heptachlor epoxide	88		101		30-150	14		20
Endrin	108		124		30-150	14		20
Endrin ketone	94		106		30-150	12		20
Dieldrin	96		110		30-150	14		20
4,4'-DDE	90		111		30-150	20		20
4,4'-DDD	93		104		30-150	11		20
4,4'-DDT	95		108		30-150	13		20
Endosulfan I	91		103		30-150	13		20
Endosulfan II	93		105		30-150	12		20
Endosulfan sulfate	104		118		30-150	13		20
Methoxychlor	93		105		30-150	12		20
cis-Chlordane	89		102		30-150	13		20
trans-Chlordane	97		108		30-150	11		20

### Lab Control Sample Analysis Batch Quality Control

**Project Name:** COMPASS RESIDENCES  
**Project Number:** 5197-01-03-3001

**Lab Number:** L1303603  
**Report Date:** 03/08/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
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Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG593218-2 WG593218-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		90		30-150	A
Decachlorobiphenyl	96		94		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		78		30-150	B
Decachlorobiphenyl	93		107		30-150	B

## METALS

**Project Name:** COMPASS RESIDENCES  
**Project Number:** 5197-01-03-3001

**Lab Number:** L1303603  
**Report Date:** 03/08/13

**SAMPLE RESULTS**

**Lab ID:** L1303603-01  
**Client ID:** MW-3  
**Sample Location:** 1471 WEST FARMS RD., BRONX, NY  
**Matrix:** Water

**Date Collected:** 03/01/13 10:30  
**Date Received:** 03/04/13  
**Field Prep:** See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Westborough Lab</b>											
Aluminum, Total	1.64		mg/l	0.100	0.020	10	03/05/13 09:40	03/06/13 12:32	EPA 3005A	1,6020A	AK
Antimony, Total	0.0005		mg/l	0.0005	0.0001	1	03/05/13 09:40	03/06/13 12:35	EPA 3005A	1,6020A	AK
Arsenic, Total	0.0012		mg/l	0.0005	0.0002	1	03/05/13 09:40	03/06/13 12:35	EPA 3005A	1,6020A	AK
Barium, Total	0.0162		mg/l	0.0005	0.0001	1	03/05/13 09:40	03/06/13 12:35	EPA 3005A	1,6020A	AK
Beryllium, Total	ND		mg/l	0.0005	0.0001	1	03/05/13 09:40	03/06/13 12:35	EPA 3005A	1,6020A	AK
Cadmium, Total	ND		mg/l	0.0005	0.0001	1	03/05/13 09:40	03/06/13 12:35	EPA 3005A	1,6020A	AK
Calcium, Total	61.2		mg/l	1.00	0.320	10	03/05/13 09:40	03/06/13 12:32	EPA 3005A	1,6020A	AK
Chromium, Total	0.0042		mg/l	0.0010	0.0002	1	03/05/13 09:40	03/06/13 12:35	EPA 3005A	1,6020A	AK
Cobalt, Total	0.0016		mg/l	0.0005	0.0001	1	03/05/13 09:40	03/06/13 12:35	EPA 3005A	1,6020A	AK
Copper, Total	0.00790		mg/l	0.0010	0.0001	1	03/05/13 09:40	03/06/13 12:35	EPA 3005A	1,6020A	AK
Iron, Total	0.913		mg/l	0.050	0.013	1	03/05/13 09:40	03/06/13 12:35	EPA 3005A	1,6020A	AK
Lead, Total	0.0053		mg/l	0.0010	0.0002	1	03/05/13 09:40	03/06/13 12:35	EPA 3005A	1,6020A	AK
Magnesium, Total	0.950		mg/l	0.100	0.023	1	03/05/13 09:40	03/06/13 12:35	EPA 3005A	1,6020A	AK
Manganese, Total	0.0451		mg/l	0.0005	0.0001	1	03/05/13 09:40	03/06/13 12:35	EPA 3005A	1,6020A	AK
Mercury, Total	ND		mg/l	0.0002	0.0001	1	03/05/13 20:02	03/06/13 15:39	EPA 7470A	1,7470A	JH
Nickel, Total	0.0036		mg/l	0.0005	0.0001	1	03/05/13 09:40	03/06/13 12:35	EPA 3005A	1,6020A	AK
Potassium, Total	24.1		mg/l	0.100	0.027	1	03/05/13 09:40	03/06/13 12:35	EPA 3005A	1,6020A	AK
Selenium, Total	0.001	J	mg/l	0.005	0.0003	1	03/05/13 09:40	03/06/13 12:35	EPA 3005A	1,6020A	AK
Silver, Total	ND		mg/l	0.0005	0.0001	1	03/05/13 09:40	03/06/13 12:35	EPA 3005A	1,6020A	AK
Sodium, Total	76.1		mg/l	1.00	0.150	10	03/05/13 09:40	03/06/13 12:32	EPA 3005A	1,6020A	AK
Thallium, Total	ND		mg/l	0.0005	0.00003	1	03/05/13 09:40	03/06/13 12:35	EPA 3005A	1,6020A	AK
Vanadium, Total	0.0149		mg/l	0.0050	0.0001	1	03/05/13 09:40	03/06/13 12:35	EPA 3005A	1,6020A	AK
Zinc, Total	0.0077	J	mg/l	0.0100	0.0012	1	03/05/13 09:40	03/06/13 12:35	EPA 3005A	1,6020A	AK

**Dissolved Metals - Westborough Lab**

Aluminum, Dissolved	0.937		mg/l	0.010	0.002	1	03/06/13 10:55	03/06/13 14:22	NA	1,6020A	AK
Antimony, Dissolved	0.0009		mg/l	0.0005	0.0001	1	03/06/13 10:55	03/06/13 14:22	NA	1,6020A	AK
Arsenic, Dissolved	0.001		mg/l	0.0005	0.0002	1	03/06/13 10:55	03/06/13 14:22	NA	1,6020A	AK
Barium, Dissolved	0.0075		mg/l	0.0005	0.0001	1	03/06/13 10:55	03/06/13 14:22	NA	1,6020A	AK
Beryllium, Dissolved	ND		mg/l	0.0005	0.0001	1	03/06/13 10:55	03/06/13 14:22	NA	1,6020A	AK
Cadmium, Dissolved	ND		mg/l	0.0005	0.0001	1	03/06/13 10:55	03/06/13 14:22	NA	1,6020A	AK



**Project Name:** COMPASS RESIDENCES  
**Project Number:** 5197-01-03-3001

**Lab Number:** L1303603  
**Report Date:** 03/08/13

**SAMPLE RESULTS**

**Lab ID:** L1303603-01  
**Client ID:** MW-3  
**Sample Location:** 1471 WEST FARMS RD., BRONX, NY  
**Matrix:** Water

**Date Collected:** 03/01/13 10:30  
**Date Received:** 03/04/13  
**Field Prep:** See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Calcium, Dissolved	59.7		mg/l	1.00	0.320	10	03/06/13 10:55	03/06/13 14:18	NA	1,6020A	AK
Chromium, Dissolved	0.0036		mg/l	0.0010	0.0002	1	03/06/13 10:55	03/06/13 14:22	NA	1,6020A	AK
Cobalt, Dissolved	0.0002	J	mg/l	0.0005	0.0001	1	03/06/13 10:55	03/06/13 14:22	NA	1,6020A	AK
Copper, Dissolved	0.0054		mg/l	0.0010	0.0001	1	03/06/13 10:55	03/06/13 14:22	NA	1,6020A	AK
Iron, Dissolved	0.019	J	mg/l	0.050	0.013	1	03/06/13 10:55	03/06/13 14:22	NA	1,6020A	AK
Lead, Dissolved	ND		mg/l	0.0010	0.0002	1	03/06/13 10:55	03/06/13 14:22	NA	1,6020A	AK
Magnesium, Dissolved	0.546		mg/l	0.100	0.023	1	03/06/13 10:55	03/06/13 14:22	NA	1,6020A	AK
Manganese, Dissolved	0.0002	J	mg/l	0.0005	0.0001	1	03/06/13 10:55	03/06/13 14:22	NA	1,6020A	AK
Mercury, Dissolved	ND		mg/l	0.0002	0.0001	1	03/05/13 20:02	03/06/13 15:28	EPA 7470A	1,7470A	JH
Nickel, Dissolved	0.0025		mg/l	0.0005	0.0001	1	03/06/13 10:55	03/06/13 14:22	NA	1,6020A	AK
Potassium, Dissolved	23.5		mg/l	0.100	0.027	1	03/06/13 10:55	03/06/13 14:22	NA	1,6020A	AK
Selenium, Dissolved	0.001	J	mg/l	0.005	0.0003	1	03/06/13 10:55	03/06/13 14:22	NA	1,6020A	AK
Silver, Dissolved	ND		mg/l	0.0005	0.0001	1	03/06/13 10:55	03/06/13 14:22	NA	1,6020A	AK
Sodium, Dissolved	74.6		mg/l	1.00	0.150	10	03/06/13 10:55	03/06/13 14:18	NA	1,6020A	AK
Thallium, Dissolved	ND		mg/l	0.0005	0.00003	1	03/06/13 10:55	03/06/13 14:22	NA	1,6020A	AK
Vanadium, Dissolved	0.0134		mg/l	0.0050	0.0001	1	03/06/13 10:55	03/06/13 14:22	NA	1,6020A	AK
Zinc, Dissolved	ND		mg/l	0.0100	0.0012	1	03/06/13 10:55	03/06/13 14:22	NA	1,6020A	AK



**Project Name:** COMPASS RESIDENCES  
**Project Number:** 5197-01-03-3001

**Lab Number:** L1303603  
**Report Date:** 03/08/13

**SAMPLE RESULTS**

Lab ID: L1303603-02  
 Client ID: MW-4  
 Sample Location: 1471 WEST FARMS RD., BRONX, NY  
 Matrix: Water

Date Collected: 03/01/13 14:00  
 Date Received: 03/04/13  
 Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Westborough Lab</b>											
Aluminum, Total	0.580		mg/l	0.100	0.020	10	03/05/13 09:40	03/06/13 12:38	EPA 3005A	1,6020A	AK
Antimony, Total	0.0013		mg/l	0.0005	0.0001	1	03/05/13 09:40	03/06/13 12:42	EPA 3005A	1,6020A	AK
Arsenic, Total	0.0003	J	mg/l	0.0005	0.0002	1	03/05/13 09:40	03/06/13 12:42	EPA 3005A	1,6020A	AK
Barium, Total	0.0394		mg/l	0.0005	0.0001	1	03/05/13 09:40	03/06/13 12:42	EPA 3005A	1,6020A	AK
Beryllium, Total	ND		mg/l	0.0005	0.0001	1	03/05/13 09:40	03/06/13 12:42	EPA 3005A	1,6020A	AK
Cadmium, Total	0.0006		mg/l	0.0005	0.0001	1	03/05/13 09:40	03/06/13 12:42	EPA 3005A	1,6020A	AK
Calcium, Total	25.4		mg/l	0.100	0.032	1	03/05/13 09:40	03/06/13 12:42	EPA 3005A	1,6020A	AK
Chromium, Total	0.0008	J	mg/l	0.0010	0.0002	1	03/05/13 09:40	03/06/13 12:42	EPA 3005A	1,6020A	AK
Cobalt, Total	0.0110		mg/l	0.0005	0.0001	1	03/05/13 09:40	03/06/13 12:42	EPA 3005A	1,6020A	AK
Copper, Total	0.0218		mg/l	0.0010	0.0001	1	03/05/13 09:40	03/06/13 12:42	EPA 3005A	1,6020A	AK
Iron, Total	0.868		mg/l	0.050	0.013	1	03/05/13 09:40	03/06/13 12:42	EPA 3005A	1,6020A	AK
Lead, Total	0.0049		mg/l	0.0010	0.0002	1	03/05/13 09:40	03/06/13 12:42	EPA 3005A	1,6020A	AK
Magnesium, Total	4.42		mg/l	0.100	0.023	1	03/05/13 09:40	03/06/13 12:42	EPA 3005A	1,6020A	AK
Manganese, Total	0.2636		mg/l	0.0005	0.0001	1	03/05/13 09:40	03/06/13 12:42	EPA 3005A	1,6020A	AK
Mercury, Total	ND		mg/l	0.0002	0.0001	1	03/05/13 20:02	03/06/13 15:49	EPA 7470A	1,7470A	JH
Nickel, Total	0.0199		mg/l	0.0005	0.0001	1	03/05/13 09:40	03/06/13 12:42	EPA 3005A	1,6020A	AK
Potassium, Total	6.35		mg/l	0.100	0.027	1	03/05/13 09:40	03/06/13 12:42	EPA 3005A	1,6020A	AK
Selenium, Total	0.002	J	mg/l	0.005	0.0003	1	03/05/13 09:40	03/06/13 12:42	EPA 3005A	1,6020A	AK
Silver, Total	ND		mg/l	0.0005	0.0001	1	03/05/13 09:40	03/06/13 12:42	EPA 3005A	1,6020A	AK
Sodium, Total	14.5		mg/l	0.100	0.015	1	03/05/13 09:40	03/06/13 12:42	EPA 3005A	1,6020A	AK
Thallium, Total	ND		mg/l	0.0005	0.00003	1	03/05/13 09:40	03/06/13 12:42	EPA 3005A	1,6020A	AK
Vanadium, Total	0.0016	J	mg/l	0.0050	0.0001	1	03/05/13 09:40	03/06/13 12:42	EPA 3005A	1,6020A	AK
Zinc, Total	0.2097		mg/l	0.0100	0.0012	1	03/05/13 09:40	03/06/13 12:42	EPA 3005A	1,6020A	AK

**Dissolved Metals - Westborough Lab**

Aluminum, Dissolved	0.039		mg/l	0.010	0.002	1	03/06/13 10:55	03/06/13 14:05	NA	1,6020A	AK
Antimony, Dissolved	0.0015		mg/l	0.0005	0.0001	1	03/06/13 10:55	03/06/13 14:05	NA	1,6020A	AK
Arsenic, Dissolved	ND		mg/l	0.0005	0.0002	1	03/06/13 10:55	03/06/13 14:05	NA	1,6020A	AK
Barium, Dissolved	0.0260		mg/l	0.0005	0.0001	1	03/06/13 10:55	03/06/13 14:05	NA	1,6020A	AK
Beryllium, Dissolved	ND		mg/l	0.0005	0.0001	1	03/06/13 10:55	03/06/13 14:05	NA	1,6020A	AK
Cadmium, Dissolved	0.0005		mg/l	0.0005	0.0001	1	03/06/13 10:55	03/06/13 14:05	NA	1,6020A	AK



Project Name: COMPASS RESIDENCES

Lab Number: L1303603

Project Number: 5197-01-03-3001

Report Date: 03/08/13

## SAMPLE RESULTS

Lab ID: L1303603-02

Date Collected: 03/01/13 14:00

Client ID: MW-4

Date Received: 03/04/13

Sample Location: 1471 WEST FARMS RD., BRONX, NY

Field Prep: See Narrative

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Calcium, Dissolved	26.4		mg/l	0.100	0.032	1	03/06/13 10:55	03/06/13 14:05	NA	1,6020A	AK
Chromium, Dissolved	0.0009	J	mg/l	0.0010	0.0002	1	03/06/13 10:55	03/06/13 14:05	NA	1,6020A	AK
Cobalt, Dissolved	0.0064		mg/l	0.0005	0.0001	1	03/06/13 10:55	03/06/13 14:05	NA	1,6020A	AK
Copper, Dissolved	0.0145		mg/l	0.0010	0.0001	1	03/06/13 10:55	03/06/13 14:05	NA	1,6020A	AK
Iron, Dissolved	0.060		mg/l	0.050	0.013	1	03/06/13 10:55	03/06/13 14:05	NA	1,6020A	AK
Lead, Dissolved	ND		mg/l	0.0010	0.0002	1	03/06/13 10:55	03/06/13 14:05	NA	1,6020A	AK
Magnesium, Dissolved	4.36		mg/l	0.100	0.023	1	03/06/13 10:55	03/06/13 14:05	NA	1,6020A	AK
Manganese, Dissolved	0.1728		mg/l	0.0005	0.0001	1	03/06/13 10:55	03/06/13 14:05	NA	1,6020A	AK
Mercury, Dissolved	ND		mg/l	0.0002	0.0001	1	03/05/13 20:02	03/06/13 15:34	EPA 7470A	1,7470A	JH
Nickel, Dissolved	0.0162		mg/l	0.0005	0.0001	1	03/06/13 10:55	03/06/13 14:05	NA	1,6020A	AK
Potassium, Dissolved	6.08		mg/l	0.100	0.027	1	03/06/13 10:55	03/06/13 14:05	NA	1,6020A	AK
Selenium, Dissolved	0.002	J	mg/l	0.005	0.0003	1	03/06/13 10:55	03/06/13 14:05	NA	1,6020A	AK
Silver, Dissolved	ND		mg/l	0.0005	0.0001	1	03/06/13 10:55	03/06/13 14:05	NA	1,6020A	AK
Sodium, Dissolved	16.3		mg/l	0.100	0.015	1	03/06/13 10:55	03/06/13 14:05	NA	1,6020A	AK
Thallium, Dissolved	ND		mg/l	0.0005	0.00003	1	03/06/13 10:55	03/06/13 14:05	NA	1,6020A	AK
Vanadium, Dissolved	0.0004	J	mg/l	0.0050	0.0001	1	03/06/13 10:55	03/06/13 14:05	NA	1,6020A	AK
Zinc, Dissolved	0.1696		mg/l	0.0100	0.0012	1	03/06/13 10:55	03/06/13 14:05	NA	1,6020A	AK



**Project Name:** COMPASS RESIDENCES  
**Project Number:** 5197-01-03-3001

**Lab Number:** L1303603  
**Report Date:** 03/08/13

## Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-02 Batch: WG593258-1										
Aluminum, Total	ND		mg/l	0.010	0.002	1	03/05/13 09:40	03/06/13 11:52	1,6020A	AK
Antimony, Total	0.0002	J	mg/l	0.0005	0.0001	1	03/05/13 09:40	03/06/13 11:52	1,6020A	AK
Arsenic, Total	ND		mg/l	0.0005	0.0002	1	03/05/13 09:40	03/06/13 11:52	1,6020A	AK
Barium, Total	ND		mg/l	0.0005	0.0001	1	03/05/13 09:40	03/06/13 11:52	1,6020A	AK
Beryllium, Total	ND		mg/l	0.0005	0.0001	1	03/05/13 09:40	03/06/13 11:52	1,6020A	AK
Cadmium, Total	ND		mg/l	0.0005	0.0001	1	03/05/13 09:40	03/06/13 11:52	1,6020A	AK
Calcium, Total	ND		mg/l	0.100	0.032	1	03/05/13 09:40	03/06/13 11:52	1,6020A	AK
Chromium, Total	ND		mg/l	0.0010	0.0002	1	03/05/13 09:40	03/06/13 11:52	1,6020A	AK
Cobalt, Total	ND		mg/l	0.0005	0.0001	1	03/05/13 09:40	03/06/13 11:52	1,6020A	AK
Copper, Total	ND		mg/l	0.0010	0.0001	1	03/05/13 09:40	03/06/13 11:52	1,6020A	AK
Iron, Total	ND		mg/l	0.050	0.013	1	03/05/13 09:40	03/06/13 11:52	1,6020A	AK
Lead, Total	ND		mg/l	0.0010	0.0002	1	03/05/13 09:40	03/06/13 11:52	1,6020A	AK
Magnesium, Total	ND		mg/l	0.100	0.023	1	03/05/13 09:40	03/06/13 11:52	1,6020A	AK
Manganese, Total	ND		mg/l	0.0005	0.0001	1	03/05/13 09:40	03/06/13 11:52	1,6020A	AK
Nickel, Total	ND		mg/l	0.0005	0.0001	1	03/05/13 09:40	03/06/13 11:52	1,6020A	AK
Potassium, Total	0.044	J	mg/l	0.100	0.027	1	03/05/13 09:40	03/06/13 11:52	1,6020A	AK
Selenium, Total	ND		mg/l	0.005	0.0003	1	03/05/13 09:40	03/06/13 11:52	1,6020A	AK
Silver, Total	ND		mg/l	0.0005	0.0001	1	03/05/13 09:40	03/06/13 11:52	1,6020A	AK
Sodium, Total	ND		mg/l	0.100	0.015	1	03/05/13 09:40	03/06/13 11:52	1,6020A	AK
Thallium, Total	ND		mg/l	0.0005	0.00003	1	03/05/13 09:40	03/06/13 11:52	1,6020A	AK
Vanadium, Total	ND		mg/l	0.0050	0.0001	1	03/05/13 09:40	03/06/13 11:52	1,6020A	AK
Zinc, Total	ND		mg/l	0.0100	0.0012	1	03/05/13 09:40	03/06/13 11:52	1,6020A	AK

### Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Westborough Lab for sample(s): 01-02 Batch: WG593427-1										
Mercury, Dissolved	ND		mg/l	0.0002	0.0001	1	03/05/13 20:02	03/06/13 15:24	1,7470A	JH



**Project Name:** COMPASS RESIDENCES  
**Project Number:** 5197-01-03-3001

**Lab Number:** L1303603  
**Report Date:** 03/08/13

## Method Blank Analysis Batch Quality Control

### Prep Information

Digestion Method: EPA 7470A

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-02 Batch: WG593428-1									
Mercury, Total	ND	mg/l	0.0002	0.0001	1	03/05/13 20:02	03/06/13 15:36	1,7470A	JH

### Prep Information

Digestion Method: EPA 7470A

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Westborough Lab for sample(s): 01-02 Batch: WG593583-1									
Aluminum, Dissolved	ND	mg/l	0.010	0.002	1	03/06/13 10:55	03/06/13 13:52	1,6020A	AK
Antimony, Dissolved	0.0003 J	mg/l	0.0005	0.0001	1	03/06/13 10:55	03/06/13 13:52	1,6020A	AK
Arsenic, Dissolved	ND	mg/l	0.0005	0.0002	1	03/06/13 10:55	03/06/13 13:52	1,6020A	AK
Barium, Dissolved	ND	mg/l	0.0005	0.0001	1	03/06/13 10:55	03/06/13 13:52	1,6020A	AK
Beryllium, Dissolved	ND	mg/l	0.0005	0.0001	1	03/06/13 10:55	03/06/13 13:52	1,6020A	AK
Cadmium, Dissolved	ND	mg/l	0.0005	0.0001	1	03/06/13 10:55	03/06/13 13:52	1,6020A	AK
Calcium, Dissolved	ND	mg/l	0.100	0.032	1	03/06/13 10:55	03/06/13 13:52	1,6020A	AK
Chromium, Dissolved	ND	mg/l	0.0010	0.0002	1	03/06/13 10:55	03/06/13 13:52	1,6020A	AK
Cobalt, Dissolved	ND	mg/l	0.0005	0.0001	1	03/06/13 10:55	03/06/13 13:52	1,6020A	AK
Copper, Dissolved	ND	mg/l	0.0010	0.0001	1	03/06/13 10:55	03/06/13 13:52	1,6020A	AK
Iron, Dissolved	ND	mg/l	0.050	0.013	1	03/06/13 10:55	03/06/13 13:52	1,6020A	AK
Lead, Dissolved	ND	mg/l	0.0010	0.0002	1	03/06/13 10:55	03/06/13 13:52	1,6020A	AK
Magnesium, Dissolved	ND	mg/l	0.100	0.023	1	03/06/13 10:55	03/06/13 13:52	1,6020A	AK
Manganese, Dissolved	ND	mg/l	0.0005	0.0001	1	03/06/13 10:55	03/06/13 13:52	1,6020A	AK
Nickel, Dissolved	ND	mg/l	0.0005	0.0001	1	03/06/13 10:55	03/06/13 13:52	1,6020A	AK
Potassium, Dissolved	ND	mg/l	0.100	0.027	1	03/06/13 10:55	03/06/13 13:52	1,6020A	AK
Selenium, Dissolved	ND	mg/l	0.005	0.0003	1	03/06/13 10:55	03/06/13 13:52	1,6020A	AK
Silver, Dissolved	ND	mg/l	0.0005	0.0001	1	03/06/13 10:55	03/06/13 13:52	1,6020A	AK
Sodium, Dissolved	ND	mg/l	0.100	0.015	1	03/06/13 10:55	03/06/13 13:52	1,6020A	AK
Thallium, Dissolved	ND	mg/l	0.0005	0.00003	1	03/06/13 10:55	03/06/13 13:52	1,6020A	AK
Vanadium, Dissolved	ND	mg/l	0.0050	0.0001	1	03/06/13 10:55	03/06/13 13:52	1,6020A	AK

**Project Name:** COMPASS RESIDENCES  
**Project Number:** 5197-01-03-3001

**Lab Number:** L1303603  
**Report Date:** 03/08/13

## Method Blank Analysis Batch Quality Control

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Zinc, Dissolved	ND	mg/l	0.0100	0.0012	1	03/06/13 10:55	03/06/13 13:52	1,6020A	AK
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### Prep Information

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Digestion Method: NA

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** COMPASS RESIDENCES

**Lab Number:** L1303603

**Project Number:** 5197-01-03-3001

**Report Date:** 03/08/13

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG593258-2								
Aluminum, Total	108		-		80-120	-		
Antimony, Total	91		-		80-120	-		
Arsenic, Total	106		-		80-120	-		
Barium, Total	97		-		80-120	-		
Beryllium, Total	106		-		80-120	-		
Cadmium, Total	114		-		80-120	-		
Calcium, Total	102		-		80-120	-		
Chromium, Total	95		-		80-120	-		
Cobalt, Total	102		-		80-120	-		
Copper, Total	106		-		80-120	-		
Iron, Total	98		-		80-120	-		
Lead, Total	103		-		80-120	-		
Magnesium, Total	106		-		80-120	-		
Manganese, Total	97		-		80-120	-		
Nickel, Total	104		-		80-120	-		
Potassium, Total	101		-		80-120	-		
Selenium, Total	108		-		80-120	-		
Silver, Total	102		-		80-120	-		
Sodium, Total	109		-		80-120	-		
Thallium, Total	100		-		80-120	-		
Vanadium, Total	104		-		80-120	-		

## Lab Control Sample Analysis

Batch Quality Control

**Project Name:** COMPASS RESIDENCES

**Lab Number:** L1303603

**Project Number:** 5197-01-03-3001

**Report Date:** 03/08/13

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG593258-2					
Zinc, Total	114	-	80-120	-	
Dissolved Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG593427-2					
Mercury, Dissolved	98	-	70-130	-	
Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG593428-2					
Mercury, Total	93	-	80-120	-	

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** COMPASS RESIDENCES

**Lab Number:** L1303603

**Project Number:** 5197-01-03-3001

**Report Date:** 03/08/13

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG593583-2					
Aluminum, Dissolved	100	-	80-120	-	
Antimony, Dissolved	90	-	80-120	-	
Arsenic, Dissolved	109	-	80-120	-	
Barium, Dissolved	94	-	80-120	-	
Beryllium, Dissolved	104	-	80-120	-	
Cadmium, Dissolved	116	-	80-120	-	
Calcium, Dissolved	99	-	80-120	-	
Chromium, Dissolved	95	-	80-120	-	
Cobalt, Dissolved	99	-	80-120	-	
Copper, Dissolved	104	-	80-120	-	
Iron, Dissolved	98	-	80-120	-	
Lead, Dissolved	100	-	80-120	-	
Magnesium, Dissolved	99	-	80-120	-	
Manganese, Dissolved	96	-	80-120	-	
Nickel, Dissolved	102	-	80-120	-	
Potassium, Dissolved	96	-	80-120	-	
Selenium, Dissolved	105	-	80-120	-	
Silver, Dissolved	100	-	80-120	-	
Sodium, Dissolved	101	-	80-120	-	
Thallium, Dissolved	93	-	80-120	-	
Vanadium, Dissolved	103	-	80-120	-	

## Lab Control Sample Analysis

Batch Quality Control

**Project Name:** COMPASS RESIDENCES

**Lab Number:** L1303603

**Project Number:** 5197-01-03-3001

**Report Date:** 03/08/13

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG593583-2					
Zinc, Dissolved	110	-	80-120	-	

### Matrix Spike Analysis Batch Quality Control

Project Name: COMPASS RESIDENCES

Lab Number: L1303603

Project Number: 5197-01-03-3001

Report Date: 03/08/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Qual	MSD Found	MSD %Recovery	MSD Qual	Recovery Limits	RPD	RPD Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG593258-4 QC Sample: L1303609-07 Client ID: MS Sample												
Aluminum, Total	0.011	2	2.07	103	-	-	-	-	80-120	-	-	20
Antimony, Total	0.0008B	0.5	0.5252	105	-	-	-	-	80-120	-	-	20
Arsenic, Total	0.0007	0.12	0.1361	113	-	-	-	-	80-120	-	-	20
Barium, Total	0.1585	2	2.099	97	-	-	-	-	80-120	-	-	20
Beryllium, Total	ND	0.05	0.0515	103	-	-	-	-	80-120	-	-	20
Cadmium, Total	0.0002J	0.051	0.0602	118	-	-	-	-	80-120	-	-	20
Calcium, Total	238.	10	249	110	-	-	-	-	80-120	-	-	20
Chromium, Total	ND	0.2	0.1952	98	-	-	-	-	80-120	-	-	20
Cobalt, Total	0.0019	0.5	0.5075	101	-	-	-	-	80-120	-	-	20
Copper, Total	0.0037	0.25	0.2629	104	-	-	-	-	80-120	-	-	20
Iron, Total	12.6	1	13.0	40	Q	-	-	-	80-120	-	-	20
Lead, Total	0.0003J	0.51	0.5386	106	-	-	-	-	80-120	-	-	20
Magnesium, Total	46.8	10	55.7	89	-	-	-	-	80-120	-	-	20
Manganese, Total	1.037	0.5	1.529	98	-	-	-	-	80-120	-	-	20
Nickel, Total	0.0066	0.5	0.5082	100	-	-	-	-	80-120	-	-	20
Potassium, Total	19.5	10	28.0	85	-	-	-	-	80-120	-	-	20
Selenium, Total	0.004J	0.12	0.133	111	-	-	-	-	80-120	-	-	20
Silver, Total	ND	0.05	0.0505	101	-	-	-	-	80-120	-	-	20
Sodium, Total	61.3	10	72.0	107	-	-	-	-	80-120	-	-	20
Thallium, Total	ND	0.12	0.1207	100	-	-	-	-	80-120	-	-	20
Vanadium, Total	0.0004J	0.5	0.5254	105	-	-	-	-	80-120	-	-	20

### Matrix Spike Analysis Batch Quality Control

**Project Name:** COMPASS RESIDENCES

**Lab Number:** L1303603

**Project Number:** 5197-01-03-3001

**Report Date:** 03/08/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG593258-4 QC Sample: L1303609-07 Client ID: MS Sample									
Zinc, Total	0.0476	0.5	0.5974	110	-	-	80-120	-	20
Dissolved Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG593427-4 QC Sample: L1303603-01 Client ID: MW-3									
Mercury, Dissolved	ND	0.001	0.00125	126	-	-	70-130	-	20
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG593428-4 QC Sample: L1303603-01 Client ID: MW-3									
Mercury, Total	ND	0.001	0.00132	132	Q	-	70-130	-	20

### Matrix Spike Analysis Batch Quality Control

Project Name: COMPASS RESIDENCES

Lab Number: L1303603

Project Number: 5197-01-03-3001

Report Date: 03/08/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 01-02    QC Batch ID: WG593583-4    QC Sample: L1303603-02    Client ID: MW-4									
Aluminum, Dissolved	0.039	2	2.08	102	-	-	80-120	-	20
Antimony, Dissolved	0.0015	0.5	0.4545	90	-	-	80-120	-	20
Arsenic, Dissolved	ND	0.12	0.1340	112	-	-	80-120	-	20
Barium, Dissolved	0.0260	2	1.920	95	-	-	80-120	-	20
Beryllium, Dissolved	ND	0.05	0.0526	105	-	-	80-120	-	20
Cadmium, Dissolved	0.0005	0.051	0.0598	116	-	-	80-120	-	20
Calcium, Dissolved	26.4	10	33.3	69	Q	-	80-120	-	20
Chromium, Dissolved	0.0009J	0.2	0.1921	96	-	-	80-120	-	20
Cobalt, Dissolved	0.0064	0.5	0.5120	101	-	-	80-120	-	20
Copper, Dissolved	0.0145	0.25	0.2761	105	-	-	80-120	-	20
Iron, Dissolved	0.060	1	0.998	94	-	-	80-120	-	20
Lead, Dissolved	ND	0.51	0.5202	102	-	-	80-120	-	20
Magnesium, Dissolved	4.36	10	14.2	98	-	-	80-120	-	20
Manganese, Dissolved	0.1728	0.5	0.6430	94	-	-	80-120	-	20
Nickel, Dissolved	0.0162	0.5	0.5260	102	-	-	80-120	-	20
Potassium, Dissolved	6.08	10	14.8	87	-	-	80-120	-	20
Selenium, Dissolved	0.002J	0.12	0.131	109	-	-	80-120	-	20
Silver, Dissolved	ND	0.05	0.0502	100	-	-	80-120	-	20
Sodium, Dissolved	16.3	10	25.7	94	-	-	80-120	-	20
Thallium, Dissolved	ND	0.12	0.1184	99	-	-	80-120	-	20
Vanadium, Dissolved	0.0004J	0.5	0.5138	103	-	-	80-120	-	20

**Matrix Spike Analysis**  
Batch Quality Control

**Project Name:** COMPASS RESIDENCES

**Lab Number:** L1303603

**Project Number:** 5197-01-03-3001

**Report Date:** 03/08/13

<b>Parameter</b>	<b>Native Sample</b>	<b>MS Added</b>	<b>MS Found</b>	<b>MS %Recovery</b>	<b>MSD Found</b>	<b>MSD %Recovery</b>	<b>Recovery Limits</b>	<b>RPD</b>	<b>RPD Limits</b>
Dissolved Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG593583-4 QC Sample: L1303603-02 Client ID: MW-4									
Zinc, Dissolved	0.1696	0.5	0.7369	113	-	-	80-120	-	20

## Lab Duplicate Analysis

Batch Quality Control

Project Name: COMPASS RESIDENCES

Project Number: 5197-01-03-3001

Lab Number: L1303603

Report Date: 03/08/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG593258-3 QC Sample: L1303609-07 Client ID: DUP Sample						
Calcium, Total	238.	233	mg/l	2		20
Manganese, Total	1.037	1.022	mg/l	1		20
Sodium, Total	61.3	60.3	mg/l	2		20

## Lab Duplicate Analysis

Batch Quality Control

Project Name: COMPASS RESIDENCES

Project Number: 5197-01-03-3001

Lab Number: L1303603

Report Date: 03/08/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG593258-3 QC Sample: L1303609-07 Client ID: DUP Sample					
Aluminum, Total	0.011	0.010J	mg/l	NC	20
Antimony, Total	0.0008B	0.0006	mg/l	26 Q	20
Arsenic, Total	0.0007	0.0007	mg/l	3	20
Barium, Total	0.1585	0.1544	mg/l	3	20
Beryllium, Total	ND	ND	mg/l	NC	20
Cadmium, Total	0.0002J	0.0002J	mg/l	NC	20
Chromium, Total	ND	ND	mg/l	NC	20
Cobalt, Total	0.0019	0.0018	mg/l	3	20
Copper, Total	0.0037	0.0037	mg/l	0	20
Iron, Total	12.6	12.3	mg/l	2	20
Lead, Total	0.0003J	0.0003J	mg/l	NC	20
Magnesium, Total	46.8	46.1	mg/l	2	20
Nickel, Total	0.0066	0.0062	mg/l	6	20
Potassium, Total	19.5	19.7	mg/l	1	20
Selenium, Total	0.004J	0.004J	mg/l	NC	20
Silver, Total	ND	ND	mg/l	NC	20
Thallium, Total	ND	ND	mg/l	NC	20
Vanadium, Total	0.0004J	0.0004J	mg/l	NC	20
Zinc, Total	0.0476	0.0459	mg/l	4	20

**Lab Duplicate Analysis**  
**Batch Quality Control**

**Project Name:** COMPASS RESIDENCES

**Project Number:** 5197-01-03-3001

**Lab Number:** L1303603

**Report Date:** 03/08/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG593427-3 QC Sample: L1303603-01 Client ID: MW-3					
Mercury, Dissolved	ND	ND	mg/l	NC	20
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG593428-3 QC Sample: L1303603-01 Client ID: MW-3					
Mercury, Total	ND	ND	mg/l	NC	20

## Lab Duplicate Analysis

Batch Quality Control

Project Name: COMPASS RESIDENCES

Project Number: 5197-01-03-3001

Lab Number: L1303603

Report Date: 03/08/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG593583-3 QC Sample: L1303603-02 Client ID: MW-4					
Aluminum, Dissolved	0.039	0.038	mg/l	3	20
Antimony, Dissolved	0.0015	0.0014	mg/l	7	20
Arsenic, Dissolved	ND	ND	mg/l	NC	20
Barium, Dissolved	0.0260	0.0263	mg/l	1	20
Beryllium, Dissolved	ND	ND	mg/l	NC	20
Cadmium, Dissolved	0.0005	0.0006	mg/l	1	20
Calcium, Dissolved	26.4	26.4	mg/l	0	20
Chromium, Dissolved	0.0009J	0.0009J	mg/l	NC	20
Cobalt, Dissolved	0.0064	0.0064	mg/l	0	20
Copper, Dissolved	0.0145	0.0144	mg/l	1	20
Iron, Dissolved	0.060	0.060	mg/l	1	20
Lead, Dissolved	ND	ND	mg/l	NC	20
Magnesium, Dissolved	4.36	4.38	mg/l	0	20
Manganese, Dissolved	0.1728	0.1748	mg/l	1	20
Nickel, Dissolved	0.0162	0.0160	mg/l	1	20
Potassium, Dissolved	6.08	6.05	mg/l	0	20
Selenium, Dissolved	0.002J	0.002J	mg/l	NC	20
Silver, Dissolved	ND	ND	mg/l	NC	20
Sodium, Dissolved	16.3	16.4	mg/l	1	20

## Lab Duplicate Analysis

Batch Quality Control

Project Name: COMPASS RESIDENCES

Project Number: 5197-01-03-3001

Lab Number: L1303603

Report Date: 03/08/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG593583-3 QC Sample: L1303603-02 Client ID: MW-4					
Thallium, Dissolved	ND	ND	mg/l	NC	20
Vanadium, Dissolved	0.0004J	0.0004J	mg/l	NC	20
Zinc, Dissolved	0.1696	0.1720	mg/l	1	20

Project Name: COMPASS RESIDENCES

Lab Number: L1303603

Project Number: 5197-01-03-3001

Report Date: 03/08/13

## Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

## Cooler Information Custody Seal

## Cooler

A Absent

## Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1303603-01A	Vial HCl preserved	A	N/A	4.2	Y	Absent	NYTCL-8260(14)
L1303603-01B	Vial HCl preserved	A	N/A	4.2	Y	Absent	NYTCL-8260(14)
L1303603-01C	Vial HCl preserved	A	N/A	4.2	Y	Absent	NYTCL-8260(14)
L1303603-01D	Amber 1000ml unpreserved	A	7	4.2	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1303603-01E	Amber 1000ml unpreserved	A	7	4.2	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1303603-01F	Amber 1000ml unpreserved	A	7	4.2	Y	Absent	NYTCL-8081(7)
L1303603-01G	Amber 1000ml unpreserved	A	7	4.2	Y	Absent	NYTCL-8081(7)
L1303603-01H	Amber 1000ml unpreserved	A	7	4.2	Y	Absent	NYTCL-8082-1200ML(7)
L1303603-01I	Amber 1000ml unpreserved	A	7	4.2	Y	Absent	NYTCL-8082-1200ML(7)
L1303603-01J	Plastic 500ml HNO3 preserved	A	<2	4.2	Y	Absent	BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1303603-01K	Plastic 500ml HNO3 preserved	A	<2	4.2	Y	Absent	CU-6020S(180),K-6020S(180),SE-6020S(180),V-6020S(180),MN-6020S(180),BE-6020S(180),CO-6020S(180),MG-6020S(180),ZN-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),BA-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)
L1303603-02A	Vial HCl preserved	A	N/A	4.2	Y	Absent	NYTCL-8260(14)
L1303603-02B	Vial HCl preserved	A	N/A	4.2	Y	Absent	NYTCL-8260(14)

\*Values in parentheses indicate holding time in days



Project Name: COMPASS RESIDENCES

Project Number: 5197-01-03-3001

Lab Number: L1303603

Report Date: 03/08/13

**Container Information**

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1303603-02C	Vial HCl preserved	A	N/A	4.2	Y	Absent	NYTCL-8260(14)
L1303603-02D	Amber 1000ml unpreserved	A	7	4.2	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1303603-02E	Amber 1000ml unpreserved	A	7	4.2	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1303603-02F	Amber 1000ml unpreserved	A	7	4.2	Y	Absent	NYTCL-8081(7)
L1303603-02G	Amber 1000ml unpreserved	A	7	4.2	Y	Absent	NYTCL-8081(7)
L1303603-02H	Amber 1000ml unpreserved	A	7	4.2	Y	Absent	NYTCL-8082-1200ML(7)
L1303603-02I	Amber 1000ml unpreserved	A	7	4.2	Y	Absent	NYTCL-8082-1200ML(7)
L1303603-02J	Plastic 500ml HNO3 preserved	A	<2	4.2	Y	Absent	BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1303603-02K	Plastic 500ml HNO3 preserved	A	<2	4.2	Y	Absent	CU-6020S(180),K-6020S(180),SE-6020S(180),V-6020S(180),MN-6020S(180),BE-6020S(180),CO-6020S(180),MG-6020S(180),ZN-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),BA-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)

\*Values in parentheses indicate holding time in days



**Project Name:** COMPASS RESIDENCES  
**Project Number:** 5197-01-03-3001

**Lab Number:** L1303603  
**Report Date:** 03/08/13

## GLOSSARY

### Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

### Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

### Terms

**Analytical Method:** Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

### Data Qualifiers

- A** - Spectra identified as "Aldol Condensation Product".
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported

**Report Format:** DU Report with "J" Qualifiers



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**Data Qualifiers**

due to obvious interference.

- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with "J" Qualifiers

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**Project Name:** COMPASS RESIDENCES  
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## REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

## LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



## Certificate/Approval Program Summary

Last revised December 19, 2012 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.  
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

### Connecticut Department of Public Health Certificate/Lab ID: PH-0574. **NELAP Accredited Solid Waste/Soil.**

*Drinking Water* (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223, Enumeration and P/A), E. Coli. – Colilert (SM9223, Enumeration and P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

*Wastewater/Non-Potable Water* (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), E. Coli – Colilert (SM9223 Enumeration), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E), Enterococcus - Enterolert.

*Solid Waste/Soil* (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP (Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics & Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).)

### Maine Department of Human Services Certificate/Lab ID: 2009024.

*Drinking Water* (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 2540C, 4500CI-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

*Wastewater/Non-Potable Water* (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500CI-D, 4500CI-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 9010B, 9040B, 9030B, 7470A, 7196A, 2340B, EPA 200.7, 6010B, 6010C, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8330, 8151A, 8260B, 8260C, 8270C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

*Solid Waste/Soil* (Inorganic Parameters: 9010B, 9012A, 9014, 9030B, 9040B, 9045C, 6010B, 6010C, 6020, 6020A, 7471A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260B, 8270C, 8270D, 8330, 8151A, 8081A, 8081B, 8082, 8082A, 3540C, 3546, 3580A, 3630C, 5030B, 5035.)

### Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.

*Drinking Water* (Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; Colilert QT SM9223B; MF-SM9222D.)

*Non-Potable Water (Inorganic Parameters:*, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.

*Organic Parameters:* (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. *Microbiology Parameters:* (ColilertQT SM9223B; Enterolert-QT: SM9222D-MF.)

**New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. *NELAP Accredited.***

*Drinking Water (Inorganic Parameters:* SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. *Organic Parameters:* 504.1, 524.2.)

*Non-Potable Water (Inorganic Parameters:* SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. *Organic Parameters:* SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.)

*Solid & Chemical Materials (Inorganic Parameters:* SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. *Organic Parameters:* SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.)

**New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. *NELAP Accredited.***

*Drinking Water (Inorganic Parameters:* SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. *Organic Parameters:* EPA 332, 504.1, 524.2.)

*Non-Potable Water (Inorganic Parameters:* SM5210B, EPA 410.4, SM5220D, 4500CI-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM2520B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. *Organic Parameters:* SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by NJ Modified 8270, 8015B, NJ EPH.)

*Solid & Chemical Materials (Inorganic Parameters:* SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D, 9050A, 9065, 9251. *Organic Parameters:* SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035L, 5035H, NJ EPH.)

**New York Department of Health Certificate/Lab ID: 11148. *NELAP Accredited.***

*Drinking Water (Inorganic Parameters:* SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. *Organic Parameters:* EPA 524.2, 504.1.)

*Non-Potable Water (Inorganic Parameters:* SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6010C, 6020, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, LACHAT 10-204-00-1-A, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015, 9010C, 9030B. *Organic Parameters:* EPA 624, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 625, 608, 8081A, 8081B, 8151A, 8330, 8082, 8082A, EPA 3510C, 5030B.)

*Solid & Hazardous Waste (Inorganic Parameters:* EPA 1010A, 1030, EPA 6010B, 6010C, 7196A, 7471A, 7471B, 9012B, 9014, 9065, 9050A, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. *Organic Parameters:* EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8015B, 8015C, 8081A, 8081B, 8151A, 8330, 8082 8082A, 3540C,

3546, 3580A, 5030B, 5035A-H, 5035A-L.)

**North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. (Inorganic Parameters:** SM2310B, 2320B, 4500CI-E, 4500Cn-E, 9014, Lachat 10-204-00-1-X, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311,1312. **Organic Parameters:** 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.)

*Drinking Water Program Certificate/Lab ID:* 25700. (**Inorganic Parameters:** Chloride EPA 300.0. **Organic Parameters:** 524.2)

**Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. NELAP Accredited.**

*Drinking Water (Inorganic Parameters:* 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H+-B, 4500NO3-F, 5310C. **Organic Parameters:** EPA 524.2, 504.1)

*Non-Potable Water (Inorganic Parameters:* EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500CI-E, 4500F-B, 4500F-C, 4500H+-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. **Organic Parameters:** EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, NJ-EPH.)

*Solid & Hazardous Waste (Inorganic Parameters:* EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. **Organic Parameters:** 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, NJ-EPH.)

**Rhode Island Department of Health Certificate/Lab ID:** LAO00065. **NELAP Accredited via NJ-DEP.**

Refer to MA-DEP Certificate for Potable and Non-Potable Water.

Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

**Texas Commisson on Environmental Quality Certificate/Lab ID:** T104704476. **NELAP Accredited.**

*Non-Potable Water (Inorganic Parameters:* EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 S<sup>2-</sup> D, 510C, 5210B, 5220D, 5310C, 5540C. **Organic Parameters:** EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

*Solid & Hazardous Waste (Inorganic Parameters:* EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

**Virginia Division of Consolidated Laboratory Services Certificate/Lab ID:** 460195. **NELAP Accredited.**

*Drinking Water (Inorganic Parameters:* EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.2, 2320B, 4500F-C, 4500NO3-F, 5310C. **Organic Parameters:** EPA 504.1, 524.2.)

*Non-Potable Water (Inorganic Parameters:* EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X, 7196A, 7470A, 9010B, 9040B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CI-E, 4500F-B, 4500F-C, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C. **Organic Parameters:** EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330, )

*Solid & Hazardous Waste (Inorganic Parameters:* EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9030B, 9010B, 9012A, 9014 9040B, 9045C, 9050A, 9065. **Organic Parameters:** EPA 5030B, 5035, 3540C, 3546, 355B0, 3580A, 3630C, 6020A, 8260B, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.)

**Department of Defense, L-A-B Certificate/Lab ID:** L2217.

*Drinking Water (Inorganic Parameters:* SM 4500H-B. **Organic Parameters:** EPA 524.2, 504.1.)

*Non-Potable Water (Inorganic Parameters:* EPA 200.7, 200.8, 6010B, 6010C, 6020, 6020A, 245.1, 245.2, 7470A, 9040B, 9010B, 180.1. 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 4500CL-D, 5220D, 5310C, 2130B, 2320B, 2540C, 3005A, 3015, 9010B, 9056, 7196A, 3500-Cr-D. **Organic Parameters:** EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330A, 8082, 8082A, 8081A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

8270D, 8270C-SIM, 8270D-SIM, 8330A/B-prep, 8082, 8082A, 8081A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

**The following analytes are not included in our current NELAP/TNI Scope of Accreditation:**

**EPA 8260B:** Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnaphthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO<sub>2</sub> in a soil matrix, NO<sub>3</sub> in a soil matrix. **EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.





## ANALYTICAL REPORT

Lab Number:	L1303608
Client:	Impact Environmental 170 Keyland Ct Bohemia, NY 11716
ATTN:	Ben Hernandez-Salazar
Phone:	(631) 269-8800
Project Name:	COMPASS RESIDENCES
Project Number:	5197-01-03-3001
Report Date:	03/11/13

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Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

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Eight Walkup Drive, Westborough, MA 01581-1019  
508-898-9220 (Fax) 508-898-9193 800-624-9220 - [www.alphalab.com](http://www.alphalab.com)



**Project Name:** COMPASS RESIDENCES  
**Project Number:** 5197-01-03-3001

**Lab Number:** L1303608  
**Report Date:** 03/11/13

<b>Alpha Sample ID</b>	<b>Client ID</b>	<b>Sample Location</b>	<b>Collection Date/Time</b>
L1303608-01	SB-4 (0-2') GRAB	1471 WEST FARMS RD. BRONX NY	02/28/13 12:00
L1303608-02	SB-4 (6-8') GRAB	1471 WEST FARMS RD. BRONX NY	02/28/13 12:00
L1303608-03	SB-7 (0-2') GRAB	1471 WEST FARMS RD. BRONX NY	03/04/13 10:00
L1303608-04	SB-8 (0-2') GRAB	1471 WEST FARMS RD. BRONX NY	03/04/13 11:00

**Project Name:** COMPASS RESIDENCES  
**Project Number:** 5197-01-03-3001

**Lab Number:** L1303608  
**Report Date:** 03/11/13

### Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

#### HOLD POLICY

For samples submitted on hold, Alpha's policy is to hold samples free of charge for 30 days from the date the project is completed. After 30 days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

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**Project Name:** COMPASS RESIDENCES  
**Project Number:** 5197-01-03-3001

**Lab Number:** L1303608  
**Report Date:** 03/11/13

### Case Narrative (continued)

#### Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

#### Volatile Organics

Any reported concentrations that are below 200ug/kg may be biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

The surrogate recoveries for L1303608-03 and -04 are below the acceptance criteria for Dibromofluoromethane (53% and 18%, respectively), due to a known matrix effect caused by the high pH of the samples (>10).

#### Semivolatile Organics

The surrogate recovery for L1303608-04 was outside the acceptance criteria for 2-Fluorophenol (8%); however, re-extraction achieved similar results (5%). The results of both extractions are reported.

#### Herbicides

The surrogate recoveries for the following samples are outside the individual acceptance criteria for DCAA on the confirmation column due to coelution of the internal standard with non-targets. The sample is non-detect and has good surrogate recoveries on the primary channel.

L1303608-01: 5%

L1303608-02: 3%

L1303680-03: 5%

The surrogate recovery for the WG593199-1 Method Blank, associated with L1303608-01 through -04, is outside the individual acceptance criteria for DCAA (3%) on the confirmation column due to coelution of the internal standard with non-targets. All associated samples are non-detect and have good surrogate recoveries on the primary channel.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:  Elizabeth Simmons

Title: Technical Director/Representative

Date: 03/11/13

# ORGANICS

# VOLATILES

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1303608**Project Number:** 5197-01-03-3001**Report Date:** 03/11/13**SAMPLE RESULTS**

**Lab ID:** L1303608-01  
**Client ID:** SB-4 (0-2') GRAB  
**Sample Location:** 1471 WEST FARMS RD. BRONX NY  
**Matrix:** Soil  
**Analytical Method:** 1,8260C  
**Analytical Date:** 03/07/13 22:25  
**Analyst:** JC  
**Percent Solids:** 91%

**Date Collected:** 02/28/13 12:00  
**Date Received:** 03/04/13  
**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	11	2.2	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.20	1
Chloroform	ND		ug/kg	1.6	0.41	1
Carbon tetrachloride	ND		ug/kg	1.1	0.23	1
Tetrachloroethene	ND		ug/kg	1.1	0.15	1
Chlorobenzene	ND		ug/kg	1.1	0.38	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.16	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.12	1
Benzene	ND		ug/kg	1.1	0.13	1
Toluene	ND		ug/kg	1.6	0.12	1
Ethylbenzene	ND		ug/kg	1.1	0.16	1
Vinyl chloride	ND		ug/kg	2.2	0.16	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.23	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.23	1
Trichloroethene	ND		ug/kg	1.1	0.17	1
1,2-Dichlorobenzene	ND		ug/kg	5.5	0.20	1
1,3-Dichlorobenzene	ND		ug/kg	5.5	0.20	1
1,4-Dichlorobenzene	ND		ug/kg	5.5	0.26	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.11	1
p/m-Xylene	ND		ug/kg	2.2	0.35	1
o-Xylene	ND		ug/kg	2.2	0.30	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.16	1
Acetone	ND		ug/kg	11	3.4	1
2-Butanone	ND		ug/kg	11	0.39	1
n-Butylbenzene	ND		ug/kg	1.1	0.22	1
sec-Butylbenzene	ND		ug/kg	1.1	0.23	1
tert-Butylbenzene	ND		ug/kg	5.5	0.62	1
n-Propylbenzene	ND		ug/kg	1.1	0.14	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.5	0.16	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.5	0.63	1
1,4-Dioxane	ND		ug/kg	110	19.	1

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1303608**Project Number:** 5197-01-03-3001**Report Date:** 03/11/13**SAMPLE RESULTS**

Lab ID: L1303608-01

Date Collected: 02/28/13 12:00

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

Date Received: 03/04/13

Sample Location: 1471 WEST FARMS RD. BRONX NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	102		70-130

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1303608**Project Number:** 5197-01-03-3001**Report Date:** 03/11/13**SAMPLE RESULTS**

Lab ID: L1303608-02  
 Client ID: SB-4 (6-8') GRAB  
 Sample Location: 1471 WEST FARMS RD. BRONX NY  
 Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 03/07/13 22:52  
 Analyst: JC  
 Percent Solids: 84%

Date Collected: 02/28/13 12:00  
 Date Received: 03/04/13  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	12	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.21	1
Chloroform	ND		ug/kg	1.8	0.44	1
Carbon tetrachloride	ND		ug/kg	1.2	0.25	1
Tetrachloroethene	ND		ug/kg	1.2	0.17	1
Chlorobenzene	ND		ug/kg	1.2	0.41	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.17	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.13	1
Benzene	ND		ug/kg	1.2	0.14	1
Toluene	ND		ug/kg	1.8	0.13	1
Ethylbenzene	ND		ug/kg	1.2	0.18	1
Vinyl chloride	ND		ug/kg	2.4	0.17	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.24	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.25	1
Trichloroethene	ND		ug/kg	1.2	0.18	1
1,2-Dichlorobenzene	ND		ug/kg	6.0	0.22	1
1,3-Dichlorobenzene	ND		ug/kg	6.0	0.22	1
1,4-Dichlorobenzene	ND		ug/kg	6.0	0.29	1
Methyl tert butyl ether	ND		ug/kg	2.4	0.12	1
p/m-Xylene	ND		ug/kg	2.4	0.38	1
o-Xylene	ND		ug/kg	2.4	0.32	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.18	1
Acetone	8.2	J	ug/kg	12	3.7	1
2-Butanone	0.76	J	ug/kg	12	0.42	1
n-Butylbenzene	ND		ug/kg	1.2	0.24	1
sec-Butylbenzene	ND		ug/kg	1.2	0.24	1
tert-Butylbenzene	ND		ug/kg	6.0	0.67	1
n-Propylbenzene	ND		ug/kg	1.2	0.15	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.0	0.17	1
1,2,4-Trimethylbenzene	ND		ug/kg	6.0	0.68	1
1,4-Dioxane	ND		ug/kg	120	21.	1

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1303608**Project Number:** 5197-01-03-3001**Report Date:** 03/11/13**SAMPLE RESULTS**

Lab ID: L1303608-02

Date Collected: 02/28/13 12:00

Client ID: SB-4 (6-8') GRAB

Date Received: 03/04/13

Sample Location: 1471 WEST FARMS RD. BRONX NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	101		70-130

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1303608**Project Number:** 5197-01-03-3001**Report Date:** 03/11/13**SAMPLE RESULTS**

Lab ID: L1303608-03  
 Client ID: SB-7 (0-2') GRAB  
 Sample Location: 1471 WEST FARMS RD. BRONX NY  
 Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 03/09/13 13:52  
 Analyst: JC  
 Percent Solids: 87%

Date Collected: 03/04/13 10:00  
 Date Received: 03/04/13  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	11	2.3	1
1,1-Dichloroethane	ND		ug/kg	1.7	0.20	1
Chloroform	ND		ug/kg	1.7	0.42	1
Carbon tetrachloride	ND		ug/kg	1.1	0.24	1
Tetrachloroethene	ND		ug/kg	1.1	0.16	1
Chlorobenzene	ND		ug/kg	1.1	0.40	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.17	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.13	1
Benzene	ND		ug/kg	1.1	0.14	1
Toluene	ND		ug/kg	1.7	0.13	1
Ethylbenzene	ND		ug/kg	1.1	0.17	1
Vinyl chloride	ND		ug/kg	2.3	0.16	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.24	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.24	1
Trichloroethene	ND		ug/kg	1.1	0.17	1
1,2-Dichlorobenzene	ND		ug/kg	5.7	0.21	1
1,3-Dichlorobenzene	ND		ug/kg	5.7	0.21	1
1,4-Dichlorobenzene	ND		ug/kg	5.7	0.28	1
Methyl tert butyl ether	ND		ug/kg	2.3	0.12	1
p/m-Xylene	ND		ug/kg	2.3	0.37	1
o-Xylene	ND		ug/kg	2.3	0.31	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.17	1
Acetone	10	J	ug/kg	11	3.6	1
2-Butanone	2.0	J	ug/kg	11	0.41	1
n-Butylbenzene	ND		ug/kg	1.1	0.23	1
sec-Butylbenzene	ND		ug/kg	1.1	0.24	1
tert-Butylbenzene	ND		ug/kg	5.7	0.64	1
n-Propylbenzene	ND		ug/kg	1.1	0.14	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.7	0.16	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.7	0.66	1
1,4-Dioxane	ND		ug/kg	110	20.	1

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1303608**Project Number:** 5197-01-03-3001**Report Date:** 03/11/13**SAMPLE RESULTS**

Lab ID: L1303608-03

Date Collected: 03/04/13 10:00

Client ID: SB-7 (0-2') GRAB

Date Received: 03/04/13

Sample Location: 1471 WEST FARMS RD. BRONX NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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## Volatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	53	Q	70-130

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1303608**Project Number:** 5197-01-03-3001**Report Date:** 03/11/13**SAMPLE RESULTS**

Lab ID: L1303608-04  
 Client ID: SB-8 (0-2') GRAB  
 Sample Location: 1471 WEST FARMS RD. BRONX NY  
 Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 03/09/13 14:20  
 Analyst: JC  
 Percent Solids: 90%

Date Collected: 03/04/13 11:00  
 Date Received: 03/04/13  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	11	2.2	1
1,1-Dichloroethane	ND		ug/kg	1.7	0.20	1
Chloroform	ND		ug/kg	1.7	0.41	1
Carbon tetrachloride	ND		ug/kg	1.1	0.23	1
Tetrachloroethene	ND		ug/kg	1.1	0.16	1
Chlorobenzene	ND		ug/kg	1.1	0.39	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.16	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.12	1
Benzene	ND		ug/kg	1.1	0.13	1
Toluene	ND		ug/kg	1.7	0.12	1
Ethylbenzene	ND		ug/kg	1.1	0.16	1
Vinyl chloride	ND		ug/kg	2.2	0.16	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.23	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.24	1
Trichloroethene	ND		ug/kg	1.1	0.17	1
1,2-Dichlorobenzene	ND		ug/kg	5.6	0.20	1
1,3-Dichlorobenzene	ND		ug/kg	5.6	0.20	1
1,4-Dichlorobenzene	ND		ug/kg	5.6	0.27	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.12	1
p/m-Xylene	ND		ug/kg	2.2	0.36	1
o-Xylene	ND		ug/kg	2.2	0.30	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.17	1
Acetone	18		ug/kg	11	3.4	1
2-Butanone	2.4	J	ug/kg	11	0.39	1
n-Butylbenzene	ND		ug/kg	1.1	0.22	1
sec-Butylbenzene	ND		ug/kg	1.1	0.23	1
tert-Butylbenzene	ND		ug/kg	5.6	0.62	1
n-Propylbenzene	ND		ug/kg	1.1	0.14	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.6	0.16	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.6	0.64	1
1,4-Dioxane	ND		ug/kg	110	19.	1

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1303608**Project Number:** 5197-01-03-3001**Report Date:** 03/11/13**SAMPLE RESULTS**

Lab ID: L1303608-04

Date Collected: 03/04/13 11:00

Client ID: SB-8 (0-2') GRAB

Date Received: 03/04/13

Sample Location: 1471 WEST FARMS RD. BRONX NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	18	Q	70-130

Project Name: COMPASS RESIDENCES

Lab Number: L1303608

Project Number: 5197-01-03-3001

Report Date: 03/11/13

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260C  
Analytical Date: 03/07/13 20:33  
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-02 Batch: WG594182-3					
Methylene chloride	ND		ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.18
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Vinyl chloride	ND		ug/kg	2.0	0.14
1,1-Dichloroethene	ND		ug/kg	1.0	0.20
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24
Methyl tert butyl ether	ND		ug/kg	2.0	0.10
p/m-Xylene	ND		ug/kg	2.0	0.32
o-Xylene	ND		ug/kg	2.0	0.27
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15
Acetone	ND		ug/kg	10	3.1
2-Butanone	ND		ug/kg	10	0.36
n-Butylbenzene	ND		ug/kg	1.0	0.20
sec-Butylbenzene	ND		ug/kg	1.0	0.20
tert-Butylbenzene	ND		ug/kg	5.0	0.56
n-Propylbenzene	ND		ug/kg	1.0	0.12
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
1,4-Dioxane	ND		ug/kg	100	17.

Project Name: COMPASS RESIDENCES

Lab Number: L1303608

Project Number: 5197-01-03-3001

Report Date: 03/11/13

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260C  
 Analytical Date: 03/07/13 20:33  
 Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-02 Batch: WG594182-3					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	99		70-130

Project Name: COMPASS RESIDENCES

Lab Number: L1303608

Project Number: 5197-01-03-3001

Report Date: 03/11/13

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260C  
 Analytical Date: 03/09/13 13:24  
 Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03-04 Batch: WG594328-3					
Methylene chloride	ND		ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.18
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Vinyl chloride	ND		ug/kg	2.0	0.14
1,1-Dichloroethene	ND		ug/kg	1.0	0.20
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24
Methyl tert butyl ether	ND		ug/kg	2.0	0.10
p/m-Xylene	ND		ug/kg	2.0	0.32
o-Xylene	ND		ug/kg	2.0	0.27
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15
Acetone	ND		ug/kg	10	3.1
2-Butanone	ND		ug/kg	10	0.36
n-Butylbenzene	ND		ug/kg	1.0	0.20
sec-Butylbenzene	ND		ug/kg	1.0	0.20
tert-Butylbenzene	ND		ug/kg	5.0	0.56
n-Propylbenzene	ND		ug/kg	1.0	0.12
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
1,4-Dioxane	ND		ug/kg	100	17.

Project Name: COMPASS RESIDENCES

Lab Number: L1303608

Project Number: 5197-01-03-3001

Report Date: 03/11/13

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260C  
 Analytical Date: 03/09/13 13:24  
 Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03-04 Batch: WG594328-3					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	101		70-130

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: COMPASS RESIDENCES

Lab Number: L1303608

Project Number: 5197-01-03-3001

Report Date: 03/11/13

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG594182-1 WG594182-2								
Methylene chloride	109		110		70-130	1		30
1,1-Dichloroethane	110		112		70-130	2		30
Chloroform	109		112		70-130	3		30
Carbon tetrachloride	111		115		70-130	4		30
1,2-Dichloropropane	108		110		70-130	2		30
Dibromochloromethane	106		108		70-130	2		30
2-Chloroethylvinyl ether	108		111			3		30
1,1,2-Trichloroethane	105		108		70-130	3		30
Tetrachloroethene	107		112		70-130	5		30
Chlorobenzene	105		108		70-130	3		30
Trichlorofluoromethane	116		121		70-139	4		30
1,2-Dichloroethane	109		110		70-130	1		30
1,1,1-Trichloroethane	110		114		70-130	4		30
Bromodichloromethane	108		110		70-130	2		30
trans-1,3-Dichloropropene	107		110		70-130	3		30
cis-1,3-Dichloropropene	109		111		70-130	2		30
1,1-Dichloropropene	111		115		70-130	4		30
Bromoform	101		102		70-130	1		30
1,1,2,2-Tetrachloroethane	106		106		70-130	0		30
Benzene	107		110		70-130	3		30
Toluene	104		108		70-130	4		30

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: COMPASS RESIDENCES

Lab Number: L1303608

Project Number: 5197-01-03-3001

Report Date: 03/11/13

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG594182-1 WG594182-2								
Ethylbenzene	106		110		70-130	4		30
Chloromethane	108		114		52-130	5		30
Bromomethane	98		104		57-147	6		30
Vinyl chloride	112		117		67-130	4		30
Chloroethane	103		108		50-151	5		30
1,1-Dichloroethene	112		115		65-135	3		30
trans-1,2-Dichloroethene	109		114		70-130	4		30
Trichloroethene	109		112		70-130	3		30
1,2-Dichlorobenzene	105		106		70-130	1		30
1,3-Dichlorobenzene	106		109		70-130	3		30
1,4-Dichlorobenzene	105		107		70-130	2		30
Methyl tert butyl ether	107		108		66-130	1		30
p/m-Xylene	107		112		70-130	5		30
o-Xylene	106		111		70-130	5		30
cis-1,2-Dichloroethene	107		110		70-130	3		30
Dibromomethane	107		109		70-130	2		30
Styrene	107		111		70-130	4		30
Dichlorodifluoromethane	115		123		30-146	7		30
Acetone	155	Q	158	Q	54-140	2		30
Carbon disulfide	110		113		59-130	3		30
2-Butanone	129		132	Q	70-130	2		30

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: COMPASS RESIDENCES

Lab Number: L1303608

Project Number: 5197-01-03-3001

Report Date: 03/11/13

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG594182-1 WG594182-2								
Vinyl acetate	109		111		70-130	2		30
4-Methyl-2-pentanone	109		110		70-130	1		30
1,2,3-Trichloropropane	105		105		68-130	0		30
2-Hexanone	117		118		70-130	1		30
Bromochloromethane	108		110		70-130	2		30
2,2-Dichloropropane	110		114		70-130	4		30
1,2-Dibromoethane	106		108		70-130	2		30
1,3-Dichloropropane	106		108		69-130	2		30
1,1,1,2-Tetrachloroethane	105		109		70-130	4		30
Bromobenzene	104		106		70-130	2		30
n-Butylbenzene	112		115		70-130	3		30
sec-Butylbenzene	109		112		70-130	3		30
tert-Butylbenzene	108		111		70-130	3		30
o-Chlorotoluene	107		110		70-130	3		30
p-Chlorotoluene	108		111		70-130	3		30
1,2-Dibromo-3-chloropropane	95		99		68-130	4		30
Hexachlorobutadiene	110		113		67-130	3		30
Isopropylbenzene	107		110		70-130	3		30
p-Isopropyltoluene	109		112		70-130	3		30
Naphthalene	106		107		70-130	1		30
Acrylonitrile	110		111		70-130	1		30

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: COMPASS RESIDENCES

Lab Number: L1303608

Project Number: 5197-01-03-3001

Report Date: 03/11/13

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG594182-1 WG594182-2								
Isopropyl Ether	108		111		66-130	3		30
tert-Butyl Alcohol	109		109		70-130	0		30
n-Propylbenzene	109		112		70-130	3		30
1,2,3-Trichlorobenzene	109		109		70-130	0		30
1,2,4-Trichlorobenzene	110		111		70-130	1		30
1,3,5-Trimethylbenzene	108		110		70-130	2		30
1,2,4-Trimethylbenzene	109		111		70-130	2		30
Methyl Acetate	106		109		70-130	3		30
Ethyl Acetate	108		110		70-130	2		30
Acrolein	108		110		70-130	2		30
Cyclohexane	116		122		70-130	5		30
1,4-Dioxane	110		111		65-136	1		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	115		120		70-130	4		30
1,4-Diethylbenzene	109		114		70-130	4		30
4-Ethyltoluene	109		112		70-130	3		30
1,2,4,5-Tetramethylbenzene	109		112		70-130	3		30
Tetrahydrofuran	113		113		66-130	0		30
Ethyl ether	107		108		67-130	1		30
trans-1,4-Dichloro-2-butene	107		109		70-130	2		30
Methyl cyclohexane	114		120		70-130	5		30
Ethyl-Tert-Butyl-Ether	108		110		70-130	2		30

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** COMPASS RESIDENCES  
**Project Number:** 5197-01-03-3001

**Lab Number:** L1303608  
**Report Date:** 03/11/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG594182-1 WG594182-2								
Tertiary-Amyl Methyl Ether	107		108		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	100		100		70-130
Toluene-d8	98		100		70-130
4-Bromofluorobenzene	101		100		70-130
Dibromofluoromethane	101		101		70-130

Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-04 Batch: WG594328-1 WG594328-2								
Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Methylene chloride	108		111		70-130	3		30
1,1-Dichloroethane	110		113		70-130	3		30
Chloroform	109		113		70-130	4		30
Carbon tetrachloride	110		117		70-130	6		30
1,2-Dichloropropane	110		113		70-130	3		30
Dibromochloromethane	105		107		70-130	2		30
2-Chloroethylvinyl ether	110		113			3		30
1,1,2-Trichloroethane	103		107		70-130	4		30
Tetrachloroethene	106		111		70-130	5		30

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: COMPASS RESIDENCES

Lab Number: L1303608

Project Number: 5197-01-03-3001

Report Date: 03/11/13

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-04 Batch: WG594328-1 WG594328-2								
Chlorobenzene	104		107		70-130	3		30
Trichlorofluoromethane	112		121		70-139	8		30
1,2-Dichloroethane	108		111		70-130	3		30
1,1,1-Trichloroethane	111		116		70-130	4		30
Bromodichloromethane	109		112		70-130	3		30
trans-1,3-Dichloropropene	108		109		70-130	1		30
cis-1,3-Dichloropropene	110		113		70-130	3		30
1,1-Dichloropropene	112		118		70-130	5		30
Bromoform	99		100		70-130	1		30
1,1,2,2-Tetrachloroethane	102		103		70-130	1		30
Benzene	108		112		70-130	4		30
Toluene	102		106		70-130	4		30
Ethylbenzene	104		108		70-130	4		30
Chloromethane	106		110		52-130	4		30
Bromomethane	94		100		57-147	6		30
Vinyl chloride	111		118		67-130	6		30
Chloroethane	100		110		50-151	10		30
1,1-Dichloroethene	111		117		65-135	5		30
trans-1,2-Dichloroethene	110		115		70-130	4		30
Trichloroethene	110		114		70-130	4		30
1,2-Dichlorobenzene	101		103		70-130	2		30

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: COMPASS RESIDENCES

Lab Number: L1303608

Project Number: 5197-01-03-3001

Report Date: 03/11/13

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-04 Batch: WG594328-1 WG594328-2								
1,3-Dichlorobenzene	102		105		70-130	3		30
1,4-Dichlorobenzene	102		104		70-130	2		30
Methyl tert butyl ether	108		110		66-130	2		30
p/m-Xylene	105		110		70-130	5		30
o-Xylene	105		108		70-130	3		30
cis-1,2-Dichloroethene	108		113		70-130	5		30
Dibromomethane	108		112		70-130	4		30
Styrene	106		109		70-130	3		30
Dichlorodifluoromethane	115		123		30-146	7		30
Acetone	142	Q	158	Q	54-140	11		30
Carbon disulfide	106		112		59-130	6		30
2-Butanone	125		135	Q	70-130	8		30
Vinyl acetate	111		113		70-130	2		30
4-Methyl-2-pentanone	110		112		70-130	2		30
1,2,3-Trichloropropane	100		101		68-130	1		30
2-Hexanone	110		116		70-130	5		30
Bromochloromethane	110		112		70-130	2		30
2,2-Dichloropropane	110		115		70-130	4		30
1,2-Dibromoethane	105		107		70-130	2		30
1,3-Dichloropropane	104		107		69-130	3		30
1,1,1,2-Tetrachloroethane	104		108		70-130	4		30

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: COMPASS RESIDENCES

Lab Number: L1303608

Project Number: 5197-01-03-3001

Report Date: 03/11/13

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-04 Batch: WG594328-1 WG594328-2								
Bromobenzene	100		101		70-130	1		30
n-Butylbenzene	106		110		70-130	4		30
sec-Butylbenzene	104		108		70-130	4		30
tert-Butylbenzene	103		107		70-130	4		30
o-Chlorotoluene	103		107		70-130	4		30
p-Chlorotoluene	105		107		70-130	2		30
1,2-Dibromo-3-chloropropane	91		93		68-130	2		30
Hexachlorobutadiene	102		109		67-130	7		30
Isopropylbenzene	102		105		70-130	3		30
p-Isopropyltoluene	104		107		70-130	3		30
Naphthalene	101		102		70-130	1		30
Acrylonitrile	111		111		70-130	0		30
Isopropyl Ether	111		113		66-130	2		30
tert-Butyl Alcohol	109		112		70-130	3		30
n-Propylbenzene	104		107		70-130	3		30
1,2,3-Trichlorobenzene	102		105		70-130	3		30
1,2,4-Trichlorobenzene	104		106		70-130	2		30
1,3,5-Trimethylbenzene	104		106		70-130	2		30
1,2,4-Trimethylbenzene	104		106		70-130	2		30
Methyl Acetate	110		110		70-130	0		30
Ethyl Acetate	112		113		70-130	1		30

## Lab Control Sample Analysis Batch Quality Control

**Project Name:** COMPASS RESIDENCES  
**Project Number:** 5197-01-03-3001

**Lab Number:** L1303608  
**Report Date:** 03/11/13

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-04 Batch: WG594328-1 WG594328-2								
Acrolein	112		112		70-130	0		30
Cyclohexane	116		123		70-130	6		30
1,4-Dioxane	110		114		65-136	4		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	114		121		70-130	6		30
1,4-Diethylbenzene	105		109		70-130	4		30
4-Ethyltoluene	104		107		70-130	3		30
1,2,4,5-Tetramethylbenzene	104		107		70-130	3		30
Tetrahydrofuran	117		118		66-130	1		30
Ethyl ether	105		108		67-130	3		30
trans-1,4-Dichloro-2-butene	106		106		70-130	0		30
Methyl cyclohexane	113		120		70-130	6		30
Ethyl-Tert-Butyl-Ether	110		112		70-130	2		30
Tertiary-Amyl Methyl Ether	108		110		70-130	2		30

Surrogate	LCS		LCSD		Acceptance Criteria
	%Recovery	Qual	%Recovery	Qual	
1,2-Dichloroethane-d4	100		98		70-130
Toluene-d8	98		98		70-130
4-Bromofluorobenzene	100		98		70-130
Dibromofluoromethane	101		102		70-130

# SEMIVOLATILES

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1303608**Project Number:** 5197-01-03-3001**Report Date:** 03/11/13**SAMPLE RESULTS**

Lab ID: L1303608-01  
 Client ID: SB-4 (0-2') GRAB  
 Sample Location: 1471 WEST FARMS RD. BRONX NY  
 Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 03/07/13 02:02  
 Analyst: JB  
 Percent Solids: 91%

Date Collected: 02/28/13 12:00  
 Date Received: 03/04/13  
 Field Prep: Not Specified  
 Extraction Method: EPA 3546  
 Extraction Date: 03/05/13 10:35

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	56	J	ug/kg	140	39.	1
Hexachlorobenzene	ND		ug/kg	110	28.	1
Fluoranthene	910		ug/kg	110	24.	1
Naphthalene	ND		ug/kg	180	57.	1
Benzo(a)anthracene	420		ug/kg	110	36.	1
Benzo(a)pyrene	430		ug/kg	140	43.	1
Benzo(b)fluoranthene	520		ug/kg	110	32.	1
Benzo(k)fluoranthene	180		ug/kg	110	28.	1
Chrysene	480		ug/kg	110	28.	1
Acenaphthylene	ND		ug/kg	140	47.	1
Anthracene	150		ug/kg	110	25.	1
Benzo(ghi)perylene	260		ug/kg	140	46.	1
Fluorene	53	J	ug/kg	180	33.	1
Phenanthrene	570		ug/kg	110	30.	1
Dibenzo(a,h)anthracene	58	J	ug/kg	110	34.	1
Indeno(1,2,3-cd)pyrene	300		ug/kg	140	44.	1
Pyrene	900		ug/kg	110	30.	1
Dibenzofuran	ND		ug/kg	180	37.	1
Pentachlorophenol	ND		ug/kg	140	43.	1
Phenol	ND		ug/kg	180	57.	1
2-Methylphenol	ND		ug/kg	180	44.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	78.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	68		25-120
Phenol-d6	72		10-120
Nitrobenzene-d5	67		23-120
2-Fluorobiphenyl	82		30-120
2,4,6-Tribromophenol	93		0-136
4-Terphenyl-d14	90		18-120

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1303608**Project Number:** 5197-01-03-3001**Report Date:** 03/11/13**SAMPLE RESULTS**

Lab ID: L1303608-02  
 Client ID: SB-4 (6-8') GRAB  
 Sample Location: 1471 WEST FARMS RD. BRONX NY  
 Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 03/07/13 02:30  
 Analyst: JB  
 Percent Solids: 84%

Date Collected: 02/28/13 12:00  
 Date Received: 03/04/13  
 Field Prep: Not Specified  
 Extraction Method: EPA 3546  
 Extraction Date: 03/05/13 10:35

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	ND		ug/kg	160	42.	1
Hexachlorobenzene	ND		ug/kg	120	30.	1
Fluoranthene	900		ug/kg	120	26.	1
Naphthalene	ND		ug/kg	200	62.	1
Benzo(a)anthracene	340		ug/kg	120	39.	1
Benzo(a)pyrene	360		ug/kg	160	47.	1
Benzo(b)fluoranthene	410		ug/kg	120	35.	1
Benzo(k)fluoranthene	170		ug/kg	120	30.	1
Chrysene	370		ug/kg	120	30.	1
Acenaphthylene	58	J	ug/kg	160	51.	1
Anthracene	120		ug/kg	120	27.	1
Benzo(ghi)perylene	250		ug/kg	160	49.	1
Fluorene	36	J	ug/kg	200	36.	1
Phenanthrene	550		ug/kg	120	33.	1
Dibenzo(a,h)anthracene	46	J	ug/kg	120	36.	1
Indeno(1,2,3-cd)pyrene	260		ug/kg	160	48.	1
Pyrene	790		ug/kg	120	32.	1
Dibenzofuran	ND		ug/kg	200	40.	1
Pentachlorophenol	ND		ug/kg	160	46.	1
Phenol	ND		ug/kg	200	61.	1
2-Methylphenol	ND		ug/kg	200	48.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	84.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	71		25-120
Phenol-d6	75		10-120
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	86		30-120
2,4,6-Tribromophenol	95		0-136
4-Terphenyl-d14	92		18-120

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1303608**Project Number:** 5197-01-03-3001**Report Date:** 03/11/13**SAMPLE RESULTS**

Lab ID: L1303608-03  
 Client ID: SB-7 (0-2') GRAB  
 Sample Location: 1471 WEST FARMS RD. BRONX NY  
 Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 03/07/13 02:58  
 Analyst: JB  
 Percent Solids: 87%

Date Collected: 03/04/13 10:00  
 Date Received: 03/04/13  
 Field Prep: Not Specified  
 Extraction Method: EPA 3546  
 Extraction Date: 03/05/13 10:35

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	56	J	ug/kg	150	41.	1
Hexachlorobenzene	ND		ug/kg	110	30.	1
Fluoranthene	660		ug/kg	110	25.	1
Naphthalene	ND		ug/kg	190	60.	1
Benzo(a)anthracene	290		ug/kg	110	37.	1
Benzo(a)pyrene	280		ug/kg	150	45.	1
Benzo(b)fluoranthene	340		ug/kg	110	34.	1
Benzo(k)fluoranthene	130		ug/kg	110	29.	1
Chrysene	300		ug/kg	110	30.	1
Acenaphthylene	ND		ug/kg	150	49.	1
Anthracene	140		ug/kg	110	26.	1
Benzo(ghi)perylene	180		ug/kg	150	48.	1
Fluorene	62	J	ug/kg	190	35.	1
Phenanthrene	470		ug/kg	110	32.	1
Dibenzo(a,h)anthracene	53	J	ug/kg	110	35.	1
Indeno(1,2,3-cd)pyrene	200		ug/kg	150	46.	1
Pyrene	590		ug/kg	110	31.	1
Dibenzofuran	39	J	ug/kg	190	39.	1
Pentachlorophenol	ND		ug/kg	150	45.	1
Phenol	ND		ug/kg	190	59.	1
2-Methylphenol	ND		ug/kg	190	47.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	82.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	25		25-120
Phenol-d6	68		10-120
Nitrobenzene-d5	74		23-120
2-Fluorobiphenyl	90		30-120
2,4,6-Tribromophenol	7		0-136
4-Terphenyl-d14	99		18-120

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1303608**Project Number:** 5197-01-03-3001**Report Date:** 03/11/13**SAMPLE RESULTS**

Lab ID: L1303608-04  
 Client ID: SB-8 (0-2') GRAB  
 Sample Location: 1471 WEST FARMS RD. BRONX NY  
 Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 03/07/13 03:25  
 Analyst: JB  
 Percent Solids: 90%

Date Collected: 03/04/13 11:00  
 Date Received: 03/04/13  
 Field Prep: Not Specified  
 Extraction Method: EPA 3546  
 Extraction Date: 03/05/13 10:35

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	ND		ug/kg	140	37.	1
Hexachlorobenzene	ND		ug/kg	110	34.	1
Fluoranthene	360		ug/kg	110	33.	1
Naphthalene	ND		ug/kg	180	60.	1
Benzo(a)anthracene	150		ug/kg	110	35.	1
Benzo(a)pyrene	140		ug/kg	140	44.	1
Benzo(b)fluoranthene	170		ug/kg	110	36.	1
Benzo(k)fluoranthene	59	J	ug/kg	110	34.	1
Chrysene	150		ug/kg	110	35.	1
Acenaphthylene	ND		ug/kg	140	34.	1
Anthracene	60	J	ug/kg	110	30.	1
Benzo(ghi)perylene	96	J	ug/kg	140	38.	1
Fluorene	ND		ug/kg	180	52.	1
Phenanthrene	220		ug/kg	110	35.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	35.	1
Indeno(1,2,3-cd)pyrene	100	J	ug/kg	140	40.	1
Pyrene	320		ug/kg	110	35.	1
Dibenzofuran	ND		ug/kg	180	60.	1
Pentachlorophenol	ND		ug/kg	140	39.	1
Phenol	ND		ug/kg	180	53.	1
2-Methylphenol	ND		ug/kg	180	58.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	59.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	8	Q	25-120
Phenol-d6	34		10-120
Nitrobenzene-d5	56		23-120
2-Fluorobiphenyl	71		30-120
2,4,6-Tribromophenol	2		0-136
4-Terphenyl-d14	79		18-120

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1303608**Project Number:** 5197-01-03-3001**Report Date:** 03/11/13**SAMPLE RESULTS**

Lab ID: L1303608-04 RE  
 Client ID: SB-8 (0-2') GRAB  
 Sample Location: 1471 WEST FARMS RD. BRONX NY  
 Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 03/07/13 20:49  
 Analyst: JB  
 Percent Solids: 90%

Date Collected: 03/04/13 11:00  
 Date Received: 03/04/13  
 Field Prep: Not Specified  
 Extraction Method: EPA 3546  
 Extraction Date: 03/07/13 12:58

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	ND		ug/kg	140	37.	1
Hexachlorobenzene	ND		ug/kg	110	34.	1
Fluoranthene	220		ug/kg	110	33.	1
Naphthalene	ND		ug/kg	180	60.	1
Benzo(a)anthracene	120		ug/kg	110	35.	1
Benzo(a)pyrene	110	J	ug/kg	140	44.	1
Benzo(b)fluoranthene	140		ug/kg	110	36.	1
Benzo(k)fluoranthene	53	J	ug/kg	110	34.	1
Chrysene	130		ug/kg	110	35.	1
Acenaphthylene	ND		ug/kg	140	34.	1
Anthracene	36	J	ug/kg	110	30.	1
Benzo(ghi)perylene	64	J	ug/kg	140	38.	1
Fluorene	ND		ug/kg	180	52.	1
Phenanthrene	100	J	ug/kg	110	35.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	35.	1
Indeno(1,2,3-cd)pyrene	71	J	ug/kg	140	40.	1
Pyrene	220		ug/kg	110	35.	1
Dibenzofuran	ND		ug/kg	180	60.	1
Pentachlorophenol	ND		ug/kg	140	39.	1
Phenol	ND		ug/kg	180	53.	1
2-Methylphenol	ND		ug/kg	180	58.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	59.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	5	Q	25-120
Phenol-d6	26		10-120
Nitrobenzene-d5	55		23-120
2-Fluorobiphenyl	65		30-120
2,4,6-Tribromophenol	4		0-136
4-Terphenyl-d14	75		18-120

Project Name: COMPASS RESIDENCES

Lab Number: L1303608

Project Number: 5197-01-03-3001

Report Date: 03/11/13

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8270D  
 Analytical Date: 03/06/13 18:39  
 Analyst: JB

Extraction Method: EPA 3546  
 Extraction Date: 03/05/13 10:35

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG593290-1					
Acenaphthene	ND		ug/kg	130	36.
Hexachlorobenzene	ND		ug/kg	99	26.
Fluoranthene	ND		ug/kg	99	22.
Naphthalene	ND		ug/kg	160	52.
Benzo(a)anthracene	ND		ug/kg	99	33.
Benzo(a)pyrene	ND		ug/kg	130	39.
Benzo(b)fluoranthene	ND		ug/kg	99	29.
Benzo(k)fluoranthene	ND		ug/kg	99	25.
Chrysene	ND		ug/kg	99	26.
Acenaphthylene	ND		ug/kg	130	43.
Anthracene	ND		ug/kg	99	23.
Benzo(ghi)perylene	ND		ug/kg	130	42.
Fluorene	ND		ug/kg	160	30.
Phenanthrene	ND		ug/kg	99	28.
Dibenzo(a,h)anthracene	ND		ug/kg	99	31.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	40.
Pyrene	ND		ug/kg	99	27.
Dibenzofuran	ND		ug/kg	160	34.
Pentachlorophenol	ND		ug/kg	130	39.
Phenol	ND		ug/kg	160	52.
2-Methylphenol	ND		ug/kg	160	41.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	71.

Project Name: COMPASS RESIDENCES

Lab Number: L1303608

Project Number: 5197-01-03-3001

Report Date: 03/11/13

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8270D  
 Analytical Date: 03/06/13 18:39  
 Analyst: JB

Extraction Method: EPA 3546  
 Extraction Date: 03/05/13 10:35

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG593290-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	73		25-120
Phenol-d6	72		10-120
Nitrobenzene-d5	70		23-120
2-Fluorobiphenyl	78		30-120
2,4,6-Tribromophenol	83		0-136
4-Terphenyl-d14	101		18-120

Project Name: COMPASS RESIDENCES

Lab Number: L1303608

Project Number: 5197-01-03-3001

Report Date: 03/11/13

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8270D  
 Analytical Date: 03/07/13 18:09  
 Analyst: JB

Extraction Method: EPA 3546  
 Extraction Date: 03/07/13 08:44

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 04 Batch: WG593828-1					
Acenaphthene	ND		ug/kg	130	34.
Hexachlorobenzene	ND		ug/kg	99	31.
Fluoranthene	ND		ug/kg	99	30.
Naphthalene	ND		ug/kg	160	55.
Benzo(a)anthracene	ND		ug/kg	99	32.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	99	33.
Benzo(k)fluoranthene	ND		ug/kg	99	32.
Chrysene	ND		ug/kg	99	32.
Acenaphthylene	ND		ug/kg	130	31.
Anthracene	ND		ug/kg	99	28.
Benzo(ghi)perylene	ND		ug/kg	130	34.
Fluorene	ND		ug/kg	160	47.
Phenanthrene	ND		ug/kg	99	32.
Dibenzo(a,h)anthracene	ND		ug/kg	99	32.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	37.
Pyrene	ND		ug/kg	99	32.
Dibenzofuran	ND		ug/kg	160	55.
Pentachlorophenol	ND		ug/kg	130	35.
Phenol	ND		ug/kg	160	49.
2-Methylphenol	ND		ug/kg	160	53.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	54.

Project Name: COMPASS RESIDENCES

Lab Number: L1303608

Project Number: 5197-01-03-3001

Report Date: 03/11/13

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8270D  
 Analytical Date: 03/07/13 18:09  
 Analyst: JB

Extraction Method: EPA 3546  
 Extraction Date: 03/07/13 08:44

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 04 Batch: WG593828-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	75		25-120
Phenol-d6	75		10-120
Nitrobenzene-d5	70		23-120
2-Fluorobiphenyl	74		30-120
2,4,6-Tribromophenol	85		0-136
4-Terphenyl-d14	90		18-120

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: COMPASS RESIDENCES

Lab Number: L1303608

Project Number: 5197-01-03-3001

Report Date: 03/11/13

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG593290-2 WG593290-3								
Acenaphthene	78		80		31-137	3		50
1,2,4-Trichlorobenzene	69		74		38-107	7		50
Hexachlorobenzene	95		96		40-140	1		50
Bis(2-chloroethyl)ether	65		68		40-140	5		50
2-Chloronaphthalene	83		82		40-140	1		50
1,2-Dichlorobenzene	64		68		40-140	6		50
1,3-Dichlorobenzene	63		66		40-140	5		50
1,4-Dichlorobenzene	63		68		28-104	8		50
3,3'-Dichlorobenzidine	30	Q	28	Q	40-140	7		50
2,4-Dinitrotoluene	105	Q	102	Q	28-89	3		50
2,6-Dinitrotoluene	108		102		40-140	6		50
Fluoranthene	94		91		40-140	3		50
4-Chlorophenyl phenyl ether	84		86		40-140	2		50
4-Bromophenyl phenyl ether	97		96		40-140	1		50
Bis(2-chloroisopropyl)ether	67		69		40-140	3		50
Bis(2-chloroethoxy)methane	74		74		40-117	0		50
Hexachlorobutadiene	67		72		40-140	7		50
Hexachlorocyclopentadiene	84		87		40-140	4		50
Hexachloroethane	63		68		40-140	8		50
Isophorone	77		76		40-140	1		50
Naphthalene	69		72		40-140	4		50

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: COMPASS RESIDENCES

Lab Number: L1303608

Project Number: 5197-01-03-3001

Report Date: 03/11/13

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG593290-2 WG593290-3								
Nitrobenzene	67		70		40-140	4		50
NitrosoDiPhenylAmine(NDPA)/DPA	91		89			2		50
n-Nitrosodi-n-propylamine	73		74		32-121	1		50
Bis(2-Ethylhexyl)phthalate	92		92		40-140	0		50
Butyl benzyl phthalate	103		100		40-140	3		50
Di-n-butylphthalate	94		91		40-140	3		50
Di-n-octylphthalate	103		101		40-140	2		50
Diethyl phthalate	92		90		40-140	2		50
Dimethyl phthalate	88		88		40-140	0		50
Benzo(a)anthracene	89		88		40-140	1		50
Benzo(a)pyrene	89		87		40-140	2		50
Benzo(b)fluoranthene	86		84		40-140	2		50
Benzo(k)fluoranthene	82		82		40-140	0		50
Chrysene	87		86		40-140	1		50
Acenaphthylene	90		89		40-140	1		50
Anthracene	92		89		40-140	3		50
Benzo(ghi)perylene	95		90		40-140	5		50
Fluorene	87		87		40-140	0		50
Phenanthrene	85		83		40-140	2		50
Dibenzo(a,h)anthracene	99		95		40-140	4		50
Indeno(1,2,3-cd)Pyrene	95		91		40-140	4		50

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: COMPASS RESIDENCES

Lab Number: L1303608

Project Number: 5197-01-03-3001

Report Date: 03/11/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG593290-2 WG593290-3								
Pyrene	93		90		35-142	3		50
Biphenyl	68		70			3		50
4-Chloroaniline	48		46		40-140	4		50
2-Nitroaniline	108		104		47-134	4		50
3-Nitroaniline	59		50		26-129	17		50
4-Nitroaniline	104		102		41-125	2		50
Dibenzofuran	83		82		40-140	1		50
2-Methylnaphthalene	76		78		40-140	3		50
1,2,4,5-Tetrachlorobenzene	65		68		40-117	5		50
Acetophenone	73		75		14-144	3		50
2,4,6-Trichlorophenol	92		93		30-130	1		50
P-Chloro-M-Cresol	95		90		26-103	5		50
2-Chlorophenol	75		78		25-102	4		50
2,4-Dichlorophenol	86		87		30-130	1		50
2,4-Dimethylphenol	92		89		30-130	3		50
2-Nitrophenol	84		88		30-130	5		50
4-Nitrophenol	54		46		11-114	16		50
2,4-Dinitrophenol	90		88		4-130	2		50
4,6-Dinitro-o-cresol	103		99		10-130	4		50
Pentachlorophenol	82		80		17-109	2		50
Phenol	75		78		26-90	4		50

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: COMPASS RESIDENCES

Lab Number: L1303608

Project Number: 5197-01-03-3001

Report Date: 03/11/13

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG593290-2 WG593290-3								
2-Methylphenol	80		80		30-130.	0		50
3-Methylphenol/4-Methylphenol	86		83		30-130	4		50
2,4,5-Trichlorophenol	100		95		30-130	5		50
Benzoic Acid	17		18			6		50
Benzyl Alcohol	74		75		40-140	1		50
Carbazole	91		87		54-128	4		50

Surrogate	LCS		LCSD		Acceptance Criteria
	%Recovery	Qual	%Recovery	Qual	
2-Fluorophenol	73		76		25-120
Phenol-d6	77		78		10-120
Nitrobenzene-d5	72		75		23-120
2-Fluorobiphenyl	84		85		30-120
2,4,6-Tribromophenol	91		88		0-136
4-Terphenyl-d14	96		93		18-120

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: COMPASS RESIDENCES

Lab Number: L1303608

Project Number: 5197-01-03-3001

Report Date: 03/11/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04 Batch: WG593828-2 WG593828-3								
Acenaphthene	87		88		31-137	1		50
1,2,4-Trichlorobenzene	85		87		38-107	2		50
Hexachlorobenzene	89		88		40-140	1		50
Bis(2-chloroethyl)ether	75		78		40-140	4		50
2-Chloronaphthalene	88		88		40-140	0		50
1,2-Dichlorobenzene	81		83		40-140	2		50
1,3-Dichlorobenzene	77		81		40-140	5		50
1,4-Dichlorobenzene	82		84		28-104	2		50
3,3'-Dichlorobenzidine	69		61		40-140	12		50
2,4-Dinitrotoluene	92	Q	90	Q	28-89	2		50
2,6-Dinitrotoluene	89		88		40-140	1		50
Fluoranthene	100		96		40-140	4		50
4-Chlorophenyl phenyl ether	90		90		40-140	0		50
4-Bromophenyl phenyl ether	88		89		40-140	1		50
Bis(2-chloroisopropyl)ether	84		86		40-140	2		50
Bis(2-chloroethoxy)methane	78		78		40-117	0		50
Hexachlorobutadiene	86		86		40-140	0		50
Hexachlorocyclopentadiene	69		72		40-140	4		50
Hexachloroethane	83		82		40-140	1		50
Isophorone	79		77		40-140	3		50
Naphthalene	82		85		40-140	4		50

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: COMPASS RESIDENCES

Lab Number: L1303608

Project Number: 5197-01-03-3001

Report Date: 03/11/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04 Batch: WG593828-2 WG593828-3								
Nitrobenzene	80		82		40-140	2		50
NitrosoDiPhenylAmine(NDPA)/DPA	95		93			2		50
n-Nitrosodi-n-propylamine	80		78		32-121	3		50
Bis(2-Ethylhexyl)phthalate	96		93		40-140	3		50
Butyl benzyl phthalate	100		92		40-140	8		50
Di-n-butylphthalate	100		94		40-140	6		50
Di-n-octylphthalate	93		94		40-140	1		50
Diethyl phthalate	93		91		40-140	2		50
Dimethyl phthalate	93		90		40-140	3		50
Benzo(a)anthracene	94		94		40-140	0		50
Benzo(a)pyrene	100		94		40-140	6		50
Benzo(b)fluoranthene	100		95		40-140	5		50
Benzo(k)fluoranthene	93		92		40-140	1		50
Chrysene	95		94		40-140	1		50
Acenaphthylene	88		89		40-140	1		50
Anthracene	102		99		40-140	3		50
Benzo(ghi)perylene	96		94		40-140	2		50
Fluorene	90		93		40-140	3		50
Phenanthrene	97		97		40-140	0		50
Dibenzo(a,h)anthracene	98		99		40-140	1		50
Indeno(1,2,3-cd)Pyrene	97		96		40-140	1		50

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: COMPASS RESIDENCES

Lab Number: L1303608

Project Number: 5197-01-03-3001

Report Date: 03/11/13

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04 Batch: WG593828-2 WG593828-3								
Pyrene	100		95		35-142	5		50
Biphenyl	80		78			3		50
4-Chloroaniline	68		56		40-140	19		50
2-Nitroaniline	94		94		47-134	0		50
3-Nitroaniline	73		68		26-129	7		50
4-Nitroaniline	88		93		41-125	6		50
Dibenzofuran	88		88		40-140	0		50
2-Methylnaphthalene	83		89		40-140	7		50
1,2,4,5-Tetrachlorobenzene	81		82		40-117	1		50
Acetophenone	80		81		14-144	1		50
2,4,6-Trichlorophenol	94		94		30-130	0		50
P-Chloro-M-Cresol	94		97		26-103	3		50
2-Chlorophenol	87		84		25-102	4		50
2,4-Dichlorophenol	93		92		30-130	1		50
2,4-Dimethylphenol	98		94		30-130	4		50
2-Nitrophenol	87		86		30-130	1		50
4-Nitrophenol	92		93		11-114	1		50
2,4-Dinitrophenol	70		69		4-130	1		50
4,6-Dinitro-o-cresol	93		90		10-130	3		50
Pentachlorophenol	80		77		17-109	4		50
Phenol	82		81		26-90	1		50

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: COMPASS RESIDENCES

Lab Number: L1303608

Project Number: 5197-01-03-3001

Report Date: 03/11/13

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04 Batch: WG593828-2 WG593828-3								
2-Methylphenol	88		90		30-130.	2		50
3-Methylphenol/4-Methylphenol	88		88		30-130	0		50
2,4,5-Trichlorophenol	96		99		30-130	3		50
Benzoic Acid	48		56			15		50
Benzyl Alcohol	83		88		40-140	6		50
Carbazole	98		97		54-128	1		50

Surrogate	LCS		LCSD		Acceptance Criteria
	%Recovery	Qual	%Recovery	Qual	
2-Fluorophenol	84		85		25-120
Phenol-d6	86		87		10-120
Nitrobenzene-d5	79		77		23-120
2-Fluorobiphenyl	87		85		30-120
2,4,6-Tribromophenol	102		101		0-136
4-Terphenyl-d14	97		90		18-120

# PCBS

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1303608**Project Number:** 5197-01-03-3001**Report Date:** 03/11/13**SAMPLE RESULTS**

**Lab ID:** L1303608-01  
**Client ID:** SB-4 (0-2') GRAB  
**Sample Location:** 1471 WEST FARMS RD. BRONX NY  
**Matrix:** Soil  
**Analytical Method:** 1,8082A  
**Analytical Date:** 03/07/13 08:52  
**Analyst:** SS  
**Percent Solids:** 91%

**Date Collected:** 02/28/13 12:00  
**Date Received:** 03/04/13  
**Field Prep:** Not Specified  
**Extraction Method:** EPA 3546  
**Extraction Date:** 03/05/13 12:21  
**Cleanup Method1:** EPA 3665A  
**Cleanup Date1:** 03/07/13  
**Cleanup Method2:** EPA 3660B  
**Cleanup Date2:** 03/07/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1016	ND		ug/kg	34.9	6.90	1
Aroclor 1221	ND		ug/kg	34.9	10.5	1
Aroclor 1232	ND		ug/kg	34.9	7.42	1
Aroclor 1242	ND		ug/kg	34.9	6.63	1
Aroclor 1248	ND		ug/kg	34.9	4.22	1
Aroclor 1254	ND		ug/kg	34.9	5.51	1
Aroclor 1260	ND		ug/kg	34.9	6.06	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	60		30-150
Decachlorobiphenyl	33		30-150
2,4,5,6-Tetrachloro-m-xylene	56		30-150
Decachlorobiphenyl	43		30-150

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1303608**Project Number:** 5197-01-03-3001**Report Date:** 03/11/13**SAMPLE RESULTS**

Lab ID: L1303608-02  
 Client ID: SB-4 (6-8') GRAB  
 Sample Location: 1471 WEST FARMS RD. BRONX NY  
 Matrix: Soil  
 Analytical Method: 1,8082A  
 Analytical Date: 03/07/13 09:09  
 Analyst: SS  
 Percent Solids: 84%

Date Collected: 02/28/13 12:00  
 Date Received: 03/04/13  
 Field Prep: Not Specified  
 Extraction Method: EPA 3546  
 Extraction Date: 03/05/13 12:21  
 Cleanup Method1: EPA 3665A  
 Cleanup Date1: 03/07/13  
 Cleanup Method2: EPA 3660B  
 Cleanup Date2: 03/07/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1016	ND		ug/kg	38.4	7.57	1
Aroclor 1221	ND		ug/kg	38.4	11.6	1
Aroclor 1232	ND		ug/kg	38.4	8.15	1
Aroclor 1242	ND		ug/kg	38.4	7.28	1
Aroclor 1248	ND		ug/kg	38.4	4.64	1
Aroclor 1254	ND		ug/kg	38.4	6.04	1
Aroclor 1260	ND		ug/kg	38.4	6.66	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	60		30-150
Decachlorobiphenyl	35		30-150
2,4,5,6-Tetrachloro-m-xylene	47		30-150
Decachlorobiphenyl	44		30-150

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1303608**Project Number:** 5197-01-03-3001**Report Date:** 03/11/13**SAMPLE RESULTS**

**Lab ID:** L1303608-03  
**Client ID:** SB-7 (0-2') GRAB  
**Sample Location:** 1471 WEST FARMS RD. BRONX NY  
**Matrix:** Soil  
**Analytical Method:** 1,8082A  
**Analytical Date:** 03/07/13 09:26  
**Analyst:** SS  
**Percent Solids:** 87%

**Date Collected:** 03/04/13 10:00  
**Date Received:** 03/04/13  
**Field Prep:** Not Specified  
**Extraction Method:** EPA 3546  
**Extraction Date:** 03/05/13 12:21  
**Cleanup Method1:** EPA 3665A  
**Cleanup Date1:** 03/07/13  
**Cleanup Method2:** EPA 3660B  
**Cleanup Date2:** 03/07/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1016	ND		ug/kg	37.4	7.38	1
Aroclor 1221	ND		ug/kg	37.4	11.3	1
Aroclor 1232	ND		ug/kg	37.4	7.94	1
Aroclor 1242	ND		ug/kg	37.4	7.09	1
Aroclor 1248	ND		ug/kg	37.4	4.52	1
Aroclor 1254	ND		ug/kg	37.4	5.89	1
Aroclor 1260	ND		ug/kg	37.4	6.48	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	69		30-150
Decachlorobiphenyl	38		30-150
2,4,5,6-Tetrachloro-m-xylene	61		30-150
Decachlorobiphenyl	44		30-150

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1303608**Project Number:** 5197-01-03-3001**Report Date:** 03/11/13**SAMPLE RESULTS**

**Lab ID:** L1303608-04  
**Client ID:** SB-8 (0-2') GRAB  
**Sample Location:** 1471 WEST FARMS RD. BRONX NY  
**Matrix:** Soil  
**Analytical Method:** 1,8082A  
**Analytical Date:** 03/07/13 09:43  
**Analyst:** SS  
**Percent Solids:** 90%

**Date Collected:** 03/04/13 11:00  
**Date Received:** 03/04/13  
**Field Prep:** Not Specified  
**Extraction Method:** EPA 3546  
**Extraction Date:** 03/05/13 12:21  
**Cleanup Method1:** EPA 3665A  
**Cleanup Date1:** 03/07/13  
**Cleanup Method2:** EPA 3660B  
**Cleanup Date2:** 03/07/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1016	ND		ug/kg	36.3	7.18	1
Aroclor 1221	ND		ug/kg	36.3	11.0	1
Aroclor 1232	ND		ug/kg	36.3	7.72	1
Aroclor 1242	ND		ug/kg	36.3	6.90	1
Aroclor 1248	ND		ug/kg	36.3	4.40	1
Aroclor 1254	ND		ug/kg	36.3	5.73	1
Aroclor 1260	ND		ug/kg	36.3	6.31	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	63		30-150
Decachlorobiphenyl	34		30-150
2,4,5,6-Tetrachloro-m-xylene	58		30-150
Decachlorobiphenyl	39		30-150

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1303608**Project Number:** 5197-01-03-3001**Report Date:** 03/11/13

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8082A  
 Analytical Date: 03/07/13 10:52  
 Analyst: SS

Extraction Method: EPA 3546  
 Extraction Date: 03/05/13 12:21  
 Cleanup Method1: EPA 3665A  
 Cleanup Date1: 03/07/13  
 Cleanup Method2: EPA 3660B  
 Cleanup Date2: 03/07/13

Parameter	Result	Qualifier	Units	RL	MDL
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-04 Batch: WG593324-1					
Aroclor 1016	ND		ug/kg	32.6	6.44
Aroclor 1221	ND		ug/kg	32.6	9.84
Aroclor 1232	ND		ug/kg	32.6	6.93
Aroclor 1242	ND		ug/kg	32.6	6.19
Aroclor 1248	ND		ug/kg	32.6	3.95
Aroclor 1254	ND		ug/kg	32.6	5.14
Aroclor 1260	ND		ug/kg	32.6	5.66

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	68		30-150
Decachlorobiphenyl	46		30-150
2,4,5,6-Tetrachloro-m-xylene	67		30-150
Decachlorobiphenyl	45		30-150

### Lab Control Sample Analysis Batch Quality Control

**Project Name:** COMPASS RESIDENCES  
**Project Number:** 5197-01-03-3001

**Lab Number:** L1303608  
**Report Date:** 03/11/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-04 Batch: WG593324-2 WG593324-3								
Aroclor 1016	86		77		40-140	11		50
Aroclor 1260	78		74		40-140	5		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	78		69		30-150
Decachlorobiphenyl	53		54		30-150
2,4,5,6-Tetrachloro-m-xylene	74		67		30-150
Decachlorobiphenyl	52		53		30-150

# PESTICIDES

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1303608**Project Number:** 5197-01-03-3001**Report Date:** 03/11/13**SAMPLE RESULTS**

**Lab ID:** L1303608-01  
**Client ID:** SB-4 (0-2') GRAB  
**Sample Location:** 1471 WEST FARMS RD. BRONX NY  
**Matrix:** Soil  
**Analytical Method:** 1,8081B  
**Analytical Date:** 03/07/13 15:05  
**Analyst:** SH  
**Percent Solids:** 91%

**Date Collected:** 02/28/13 12:00  
**Date Received:** 03/04/13  
**Field Prep:** Not Specified  
**Extraction Method:** EPA 3546  
**Extraction Date:** 03/05/13 16:53  
**Cleanup Method1:** EPA 3620B  
**Cleanup Date1:** 03/06/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab						
4,4'-DDD	4.47		ug/kg	1.71	0.611	1
4,4'-DDT	4.98		ug/kg	3.21	1.38	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	113		30-150	A
Decachlorobiphenyl	78		30-150	A
2,4,5,6-Tetrachloro-m-xylene	134		30-150	B
Decachlorobiphenyl	105		30-150	B

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1303608**Project Number:** 5197-01-03-3001**Report Date:** 03/11/13**SAMPLE RESULTS**

Lab ID: L1303608-01  
 Client ID: SB-4 (0-2') GRAB  
 Sample Location: 1471 WEST FARMS RD. BRONX NY  
 Matrix: Soil  
 Analytical Method: 1,8081B  
 Analytical Date: 03/07/13 15:05  
 Analyst: SH  
 Percent Solids: 91%

Date Collected: 02/28/13 12:00  
 Date Received: 03/04/13  
 Field Prep: Not Specified  
 Extraction Method: EPA 3546  
 Extraction Date: 03/05/13 16:53  
 Cleanup Method1: EPA 3620B  
 Cleanup Date1: 03/06/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Organochlorine Pesticides by GC - Westborough Lab</b>						
Delta-BHC	ND		ug/kg	1.71	0.335	1
Lindane	ND		ug/kg	0.714	0.319	1
Alpha-BHC	ND		ug/kg	0.714	0.203	1
Beta-BHC	ND		ug/kg	1.71	0.649	1
Heptachlor	ND		ug/kg	0.856	0.384	1
Aldrin	ND		ug/kg	1.71	0.603	1
Endrin	ND		ug/kg	0.714	0.292	1
Dieldrin	ND		ug/kg	1.07	0.535	1
4,4'-DDE	ND		ug/kg	1.71	0.396	1
Endosulfan I	ND		ug/kg	1.71	0.404	1
Endosulfan II	ND		ug/kg	1.71	0.572	1
Endosulfan sulfate	ND		ug/kg	0.714	0.326	1
cis-Chlordane	ND		ug/kg	2.14	0.596	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	113		30-150	A
Decachlorobiphenyl	78		30-150	A
2,4,5,6-Tetrachloro-m-xylene	134		30-150	B
Decachlorobiphenyl	105		30-150	B

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1303608**Project Number:** 5197-01-03-3001**Report Date:** 03/11/13**SAMPLE RESULTS**

**Lab ID:** L1303608-01  
**Client ID:** SB-4 (0-2') GRAB  
**Sample Location:** 1471 WEST FARMS RD. BRONX NY  
**Matrix:** Soil  
**Analytical Method:** 1,8151A  
**Analytical Date:** 03/06/13 17:57  
**Analyst:** SH  
**Percent Solids:** 91%

**Date Collected:** 02/28/13 12:00  
**Date Received:** 03/04/13  
**Field Prep:** Not Specified  
**Extraction Method:** EPA 8151A  
**Extraction Date:** 03/05/13 00:04  
**Methylation Date:** 03/06/13 06:10

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Chlorinated Herbicides by GC - Westborough Lab						
2,4,5-TP (Silvex)	ND		ug/kg	181	10.0	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	90		30-150	A
DCAA	5	Q	30-150	B

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1303608**Project Number:** 5197-01-03-3001**Report Date:** 03/11/13**SAMPLE RESULTS**

**Lab ID:** L1303608-02  
**Client ID:** SB-4 (6-8') GRAB  
**Sample Location:** 1471 WEST FARMS RD. BRONX NY  
**Matrix:** Soil  
**Analytical Method:** 1,8081B  
**Analytical Date:** 03/07/13 16:03  
**Analyst:** SH  
**Percent Solids:** 84%

**Date Collected:** 02/28/13 12:00  
**Date Received:** 03/04/13  
**Field Prep:** Not Specified  
**Extraction Method:** EPA 3546  
**Extraction Date:** 03/05/13 16:53  
**Cleanup Method1:** EPA 3620B  
**Cleanup Date1:** 03/06/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab						
4,4'-DDD	5.71		ug/kg	1.81	0.647	1
4,4'-DDT	17.9		ug/kg	3.40	1.46	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	95		30-150	A
Decachlorobiphenyl	96		30-150	A
2,4,5,6-Tetrachloro-m-xylene	103		30-150	B
Decachlorobiphenyl	112		30-150	B

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1303608**Project Number:** 5197-01-03-3001**Report Date:** 03/11/13**SAMPLE RESULTS**

Lab ID: L1303608-02  
 Client ID: SB-4 (6-8') GRAB  
 Sample Location: 1471 WEST FARMS RD. BRONX NY  
 Matrix: Soil  
 Analytical Method: 1,8081B  
 Analytical Date: 03/07/13 16:03  
 Analyst: SH  
 Percent Solids: 84%

Date Collected: 02/28/13 12:00  
 Date Received: 03/04/13  
 Field Prep: Not Specified  
 Extraction Method: EPA 3546  
 Extraction Date: 03/05/13 16:53  
 Cleanup Method1: EPA 3620B  
 Cleanup Date1: 03/06/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Organochlorine Pesticides by GC - Westborough Lab</b>						
Delta-BHC	ND		ug/kg	1.81	0.355	1
Lindane	ND		ug/kg	0.756	0.338	1
Alpha-BHC	ND		ug/kg	0.756	0.215	1
Beta-BHC	ND		ug/kg	1.81	0.688	1
Heptachlor	ND		ug/kg	0.907	0.407	1
Aldrin	ND		ug/kg	1.81	0.639	1
Endrin	ND		ug/kg	0.756	0.310	1
Dieldrin	ND		ug/kg	1.13	0.567	1
4,4'-DDE	ND		ug/kg	1.81	0.420	1
Endosulfan I	ND		ug/kg	1.81	0.428	1
Endosulfan II	ND		ug/kg	1.81	0.606	1
Endosulfan sulfate	ND		ug/kg	0.756	0.345	1
cis-Chlordane	ND		ug/kg	2.27	0.632	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	95		30-150	A
Decachlorobiphenyl	96		30-150	A
2,4,5,6-Tetrachloro-m-xylene	103		30-150	B
Decachlorobiphenyl	112		30-150	B

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1303608**Project Number:** 5197-01-03-3001**Report Date:** 03/11/13**SAMPLE RESULTS**

**Lab ID:** L1303608-02  
**Client ID:** SB-4 (6-8') GRAB  
**Sample Location:** 1471 WEST FARMS RD. BRONX NY  
**Matrix:** Soil  
**Analytical Method:** 1,8151A  
**Analytical Date:** 03/06/13 18:17  
**Analyst:** SH  
**Percent Solids:** 84%

**Date Collected:** 02/28/13 12:00  
**Date Received:** 03/04/13  
**Field Prep:** Not Specified  
**Extraction Method:** EPA 8151A  
**Extraction Date:** 03/05/13 00:04  
**Methylation Date:** 03/06/13 06:10

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Chlorinated Herbicides by GC - Westborough Lab						
2,4,5-TP (Silvex)	ND		ug/kg	195	10.8	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	84		30-150	A
DCAA	3	Q	30-150	B

**Project Name:** COMPASS RESIDENCES  
**Project Number:** 5197-01-03-3001

**Lab Number:** L1303608  
**Report Date:** 03/11/13

**SAMPLE RESULTS**

Lab ID: L1303608-03  
 Client ID: SB-7 (0-2') GRAB  
 Sample Location: 1471 WEST FARMS RD. BRONX NY  
 Matrix: Soil  
 Analytical Method: 1,8081B  
 Analytical Date: 03/08/13 08:32  
 Analyst: SH  
 Percent Solids: 87%

Date Collected: 03/04/13 10:00  
 Date Received: 03/04/13  
 Field Prep: Not Specified  
 Extraction Method: EPA 3546  
 Extraction Date: 03/05/13 16:53  
 Cleanup Method1: EPA 3620B  
 Cleanup Date1: 03/06/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Organochlorine Pesticides by GC - Westborough Lab</b>						
4,4'-DDE	1.80		ug/kg	1.73	0.400	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	77		30-150	A
2,4,5,6-Tetrachloro-m-xylene	91		30-150	B
Decachlorobiphenyl	<b>164</b>	Q	30-150	B



**Project Name:** COMPASS RESIDENCES**Lab Number:** L1303608**Project Number:** 5197-01-03-3001**Report Date:** 03/11/13**SAMPLE RESULTS**

Lab ID: L1303608-03  
 Client ID: SB-7 (0-2') GRAB  
 Sample Location: 1471 WEST FARMS RD. BRONX NY  
 Matrix: Soil  
 Analytical Method: 1,8081B  
 Analytical Date: 03/08/13 08:32  
 Analyst: SH  
 Percent Solids: 87%

Date Collected: 03/04/13 10:00  
 Date Received: 03/04/13  
 Field Prep: Not Specified  
 Extraction Method: EPA 3546  
 Extraction Date: 03/05/13 16:53  
 Cleanup Method1: EPA 3620B  
 Cleanup Date1: 03/06/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Organochlorine Pesticides by GC - Westborough Lab</b>						
Delta-BHC	ND		ug/kg	1.73	0.339	1
Lindane	ND		ug/kg	0.722	0.322	1
Alpha-BHC	ND		ug/kg	0.722	0.205	1
Beta-BHC	ND		ug/kg	1.73	0.657	1
Heptachlor	ND		ug/kg	0.866	0.388	1
Aldrin	ND		ug/kg	1.73	0.610	1
Endrin	ND		ug/kg	0.722	0.296	1
Dieldrin	ND		ug/kg	1.08	0.541	1
4,4'-DDD	ND		ug/kg	1.73	0.618	1
4,4'-DDT	ND		ug/kg	3.25	1.39	1
Endosulfan I	ND		ug/kg	1.73	0.409	1
Endosulfan II	ND		ug/kg	1.73	0.579	1
Endosulfan sulfate	ND		ug/kg	0.722	0.330	1
cis-Chlordane	ND		ug/kg	2.16	0.603	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	77		30-150	A
2,4,5,6-Tetrachloro-m-xylene	91		30-150	B
Decachlorobiphenyl	<b>164</b>	Q	30-150	B

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1303608**Project Number:** 5197-01-03-3001**Report Date:** 03/11/13**SAMPLE RESULTS**

**Lab ID:** L1303608-03  
**Client ID:** SB-7 (0-2') GRAB  
**Sample Location:** 1471 WEST FARMS RD. BRONX NY  
**Matrix:** Soil  
**Analytical Method:** 1,8151A  
**Analytical Date:** 03/06/13 18:37  
**Analyst:** SH  
**Percent Solids:** 87%

**Date Collected:** 03/04/13 10:00  
**Date Received:** 03/04/13  
**Field Prep:** Not Specified  
**Extraction Method:** EPA 8151A  
**Extraction Date:** 03/05/13 00:04  
**Methylation Date:** 03/06/13 06:10

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Chlorinated Herbicides by GC - Westborough Lab						
2,4,5-TP (Silvex)	ND		ug/kg	188	10.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	72		30-150	A
DCAA	5	Q	30-150	B

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1303608**Project Number:** 5197-01-03-3001**Report Date:** 03/11/13**SAMPLE RESULTS**

Lab ID: L1303608-04  
 Client ID: SB-8 (0-2') GRAB  
 Sample Location: 1471 WEST FARMS RD. BRONX NY  
 Matrix: Soil  
 Analytical Method: 1,8081B  
 Analytical Date: 03/08/13 08:45  
 Analyst: SH  
 Percent Solids: 90%

Date Collected: 03/04/13 11:00  
 Date Received: 03/04/13  
 Field Prep: Not Specified  
 Extraction Method: EPA 3546  
 Extraction Date: 03/05/13 16:53  
 Cleanup Method1: EPA 3620B  
 Cleanup Date1: 03/06/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Organochlorine Pesticides by GC - Westborough Lab</b>						
Delta-BHC	ND		ug/kg	1.76	0.345	1
Lindane	ND		ug/kg	0.735	0.328	1
Alpha-BHC	ND		ug/kg	0.735	0.209	1
Beta-BHC	ND		ug/kg	1.76	0.669	1
Heptachlor	ND		ug/kg	0.882	0.395	1
Aldrin	ND		ug/kg	1.76	0.621	1
Endrin	ND		ug/kg	0.735	0.301	1
Dieldrin	ND		ug/kg	1.10	0.551	1
4,4'-DDE	0.860	J	ug/kg	1.76	0.408	1
4,4'-DDD	ND		ug/kg	1.76	0.629	1
4,4'-DDT	ND		ug/kg	3.31	1.42	1
Endosulfan I	ND		ug/kg	1.76	0.417	1
Endosulfan II	ND		ug/kg	1.76	0.589	1
Endosulfan sulfate	ND		ug/kg	0.735	0.336	1
cis-Chlordane	ND		ug/kg	2.20	0.614	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	88		30-150	A
Decachlorobiphenyl	96		30-150	A
2,4,5,6-Tetrachloro-m-xylene	83		30-150	B
Decachlorobiphenyl	154	Q	30-150	B

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1303608**Project Number:** 5197-01-03-3001**Report Date:** 03/11/13**SAMPLE RESULTS**

**Lab ID:** L1303608-04  
**Client ID:** SB-8 (0-2') GRAB  
**Sample Location:** 1471 WEST FARMS RD. BRONX NY  
**Matrix:** Soil  
**Analytical Method:** 1,8151A  
**Analytical Date:** 03/06/13 18:57  
**Analyst:** SH  
**Percent Solids:** 90%

**Date Collected:** 03/04/13 11:00  
**Date Received:** 03/04/13  
**Field Prep:** Not Specified  
**Extraction Method:** EPA 8151A  
**Extraction Date:** 03/05/13 00:04  
**Methylation Date:** 03/06/13 06:10

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Chlorinated Herbicides by GC - Westborough Lab						
2,4,5-TP (Silvex)	ND		ug/kg	184	10.1	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	68		30-150	A
DCAA	177	Q	30-150	B

Project Name: COMPASS RESIDENCES

Lab Number: L1303608

Project Number: 5197-01-03-3001

Report Date: 03/11/13

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8151A  
 Analytical Date: 03/06/13 14:37  
 Analyst: SH

Extraction Method: EPA 8151A  
 Extraction Date: 03/05/13 00:04

Methylation Date: 03/06/13 06:10

Parameter	Result	Qualifier	Units	RL	MDL
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 01-04 Batch: WG593199-1					
2,4,5-TP (Silvex)	ND		ug/kg	167	9.20

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	66		30-150	A
DCAA	3	Q	30-150	B

Project Name: COMPASS RESIDENCES

Lab Number: L1303608

Project Number: 5197-01-03-3001

Report Date: 03/11/13

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8081B  
 Analytical Date: 03/07/13 14:14  
 Analyst: SH

Extraction Method: EPA 3546  
 Extraction Date: 03/05/13 16:53  
 Cleanup Method1: EPA 3620B  
 Cleanup Date1: 03/06/13

Parameter	Result	Qualifier	Units	RL	MDL
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-04 Batch: WG593390-1					
Delta-BHC	ND		ug/kg	1.59	0.311
Lindane	ND		ug/kg	0.662	0.296
Alpha-BHC	ND		ug/kg	0.662	0.188
Beta-BHC	ND		ug/kg	1.59	0.603
Heptachlor	ND		ug/kg	0.795	0.356
Aldrin	ND		ug/kg	1.59	0.560
Endrin	ND		ug/kg	0.662	0.272
Dieldrin	ND		ug/kg	0.993	0.497
4,4'-DDE	ND		ug/kg	1.59	0.368
4,4'-DDD	ND		ug/kg	1.59	0.567
4,4'-DDT	ND		ug/kg	2.98	1.28
Endosulfan I	ND		ug/kg	1.59	0.375
Endosulfan II	ND		ug/kg	1.59	0.531
Endosulfan sulfate	ND		ug/kg	0.662	0.303
cis-Chlordane	ND		ug/kg	1.99	0.554

Surrogate	%Recovery	Qualifier	Acceptance	
			Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	95		30-150	A
Decachlorobiphenyl	72		30-150	A
2,4,5,6-Tetrachloro-m-xylene	98		30-150	B
Decachlorobiphenyl	79		30-150	B

## Lab Control Sample Analysis

Batch Quality Control

**Project Name:** COMPASS RESIDENCES  
**Project Number:** 5197-01-03-3001

**Lab Number:** L1303608  
**Report Date:** 03/11/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01-04 Batch: WG593199-2 WG593199-3								
2,4-D	76		72		30-150	5		30
2,4,5-T	76		75		30-150	1		30
2,4,5-TP (Silvex)	83		84		30-150	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	63		69		30-150	A
DCAA	3	Q	4	Q	30-150	B

Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-04 Batch: WG593390-2 WG593390-3								
Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Delta-BHC	103		97		30-150	6		30
Lindane	112		106		30-150	6		30
Alpha-BHC	107		97		30-150	10		30
Beta-BHC	108		98		30-150	10		30
Heptachlor	109		105		30-150	4		30
Aldrin	106		105		30-150	1		30
Heptachlor epoxide	97		101		30-150	4		30
Endrin	113		109		30-150	4		30
Endrin ketone	77		84		30-150	9		30

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: COMPASS RESIDENCES

Lab Number: L1303608

Project Number: 5197-01-03-3001

Report Date: 03/11/13

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-04 Batch: WG593390-2 WG593390-3								
Dieldrin	98		102		30-150	4		30
4,4'-DDE	94		99		30-150	5		30
4,4'-DDD	102		100		30-150	2		30
4,4'-DDT	74		72		30-150	3		30
Endosulfan I	93		98		30-150	5		30
Endosulfan II	94		92		30-150	2		30
Endosulfan sulfate	88		94		30-150	7		30
Methoxychlor	70		74		30-150	6		30
cis-Chlordane	92		98		30-150	6		30
trans-Chlordane	101		104		30-150	3		30

Surrogate	LCS		LCSD		Acceptance Criteria	Column
	%Recovery	Qual	%Recovery	Qual		
2,4,5,6-Tetrachloro-m-xylene	104		100		30-150	A
Decachlorobiphenyl	81		84		30-150	A
2,4,5,6-Tetrachloro-m-xylene	100		100		30-150	B
Decachlorobiphenyl	113		91		30-150	B

## METALS

**Project Name:** COMPASS RESIDENCES  
**Project Number:** 5197-01-03-3001

**Lab Number:** L1303608  
**Report Date:** 03/11/13

**SAMPLE RESULTS**

Lab ID: L1303608-01  
 Client ID: SB-4 (0-2') GRAB  
 Sample Location: 1471 WEST FARMS RD. BRONX NY  
 Matrix: Soil  
 Percent Solids: 91%

Date Collected: 02/28/13 12:00  
 Date Received: 03/04/13  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Westborough Lab</b>											
Arsenic, Total	2.9		mg/kg	0.43	0.13	1	03/07/13 16:05	03/08/13 12:20	EPA 3050B	1,6010C	MG
Barium, Total	110		mg/kg	0.43	0.13	1	03/07/13 16:05	03/08/13 12:20	EPA 3050B	1,6010C	MG
Beryllium, Total	0.43		mg/kg	0.21	0.02	1	03/07/13 16:05	03/08/13 12:20	EPA 3050B	1,6010C	MG
Cadmium, Total	ND		mg/kg	0.43	0.03	1	03/07/13 16:05	03/08/13 12:20	EPA 3050B	1,6010C	MG
Chromium, Total	24		mg/kg	0.43	0.09	1	03/07/13 16:05	03/08/13 12:20	EPA 3050B	1,6010C	MG
Copper, Total	37		mg/kg	0.43	0.21	1	03/07/13 16:05	03/08/13 12:20	EPA 3050B	1,6010C	MG
Lead, Total	150		mg/kg	2.1	0.13	1	03/07/13 16:05	03/08/13 12:20	EPA 3050B	1,6010C	MG
Manganese, Total	310		mg/kg	0.43	0.09	1	03/07/13 16:05	03/08/13 12:20	EPA 3050B	1,6010C	MG
Mercury, Total	0.12		mg/kg	0.09	0.02	1	03/07/13 20:45	03/08/13 14:50	EPA 7471B	1,7471B	TT
Nickel, Total	24		mg/kg	1.1	0.17	1	03/07/13 16:05	03/08/13 12:20	EPA 3050B	1,6010C	MG
Selenium, Total	1.1		mg/kg	0.86	0.13	1	03/07/13 16:05	03/08/13 12:20	EPA 3050B	1,6010C	MG
Silver, Total	ND		mg/kg	0.43	0.09	1	03/07/13 16:05	03/08/13 12:20	EPA 3050B	1,6010C	MG
Zinc, Total	140		mg/kg	2.1	0.21	1	03/07/13 16:05	03/08/13 12:20	EPA 3050B	1,6010C	MG

Project Name: COMPASS RESIDENCES

Lab Number: L1303608

Project Number: 5197-01-03-3001

Report Date: 03/11/13

## SAMPLE RESULTS

Lab ID: L1303608-02  
 Client ID: SB-4 (6-8') GRAB  
 Sample Location: 1471 WEST FARMS RD. BRONX NY  
 Matrix: Soil  
 Percent Solids: 84%

Date Collected: 02/28/13 12:00  
 Date Received: 03/04/13  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Westborough Lab</b>											
Arsenic, Total	6.1		mg/kg	0.45	0.14	1	03/07/13 16:05	03/08/13 12:22	EPA 3050B	1,6010C	MG
Barium, Total	130		mg/kg	0.45	0.14	1	03/07/13 16:05	03/08/13 12:22	EPA 3050B	1,6010C	MG
Beryllium, Total	0.72		mg/kg	0.22	0.02	1	03/07/13 16:05	03/08/13 12:22	EPA 3050B	1,6010C	MG
Cadmium, Total	ND		mg/kg	0.45	0.03	1	03/07/13 16:05	03/08/13 12:22	EPA 3050B	1,6010C	MG
Chromium, Total	44		mg/kg	0.45	0.09	1	03/07/13 16:05	03/08/13 12:22	EPA 3050B	1,6010C	MG
Copper, Total	110		mg/kg	0.45	0.22	1	03/07/13 16:05	03/08/13 12:22	EPA 3050B	1,6010C	MG
Lead, Total	350		mg/kg	2.2	0.14	1	03/07/13 16:05	03/08/13 12:22	EPA 3050B	1,6010C	MG
Manganese, Total	530		mg/kg	0.45	0.09	1	03/07/13 16:05	03/08/13 12:22	EPA 3050B	1,6010C	MG
Mercury, Total	0.11		mg/kg	0.09	0.02	1	03/07/13 20:45	03/08/13 14:52	EPA 7471B	1,7471B	TT
Nickel, Total	42		mg/kg	1.1	0.18	1	03/07/13 16:05	03/08/13 12:22	EPA 3050B	1,6010C	MG
Selenium, Total	2.2		mg/kg	0.90	0.14	1	03/07/13 16:05	03/08/13 12:22	EPA 3050B	1,6010C	MG
Silver, Total	0.12	J	mg/kg	0.45	0.09	1	03/07/13 16:05	03/08/13 12:22	EPA 3050B	1,6010C	MG
Zinc, Total	190		mg/kg	2.2	0.22	1	03/07/13 16:05	03/08/13 12:22	EPA 3050B	1,6010C	MG



**Project Name:** COMPASS RESIDENCES  
**Project Number:** 5197-01-03-3001

**Lab Number:** L1303608  
**Report Date:** 03/11/13

**SAMPLE RESULTS**

Lab ID: L1303608-03  
 Client ID: SB-7 (0-2') GRAB  
 Sample Location: 1471 WEST FARMS RD. BRONX NY  
 Matrix: Soil  
 Percent Solids: 87%

Date Collected: 03/04/13 10:00  
 Date Received: 03/04/13  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Westborough Lab</b>											
Arsenic, Total	1.2		mg/kg	0.44	0.13	1	03/07/13 16:05	03/08/13 12:25	EPA 3050B	1,6010C	MG
Barium, Total	120		mg/kg	0.44	0.13	1	03/07/13 16:05	03/08/13 12:25	EPA 3050B	1,6010C	MG
Beryllium, Total	0.39		mg/kg	0.22	0.02	1	03/07/13 16:05	03/08/13 12:25	EPA 3050B	1,6010C	MG
Cadmium, Total	ND		mg/kg	0.44	0.03	1	03/07/13 16:05	03/08/13 12:25	EPA 3050B	1,6010C	MG
Chromium, Total	28		mg/kg	0.44	0.09	1	03/07/13 16:05	03/08/13 12:25	EPA 3050B	1,6010C	MG
Copper, Total	34		mg/kg	0.44	0.22	1	03/07/13 16:05	03/08/13 12:25	EPA 3050B	1,6010C	MG
Lead, Total	21		mg/kg	2.2	0.13	1	03/07/13 16:05	03/08/13 12:25	EPA 3050B	1,6010C	MG
Manganese, Total	220		mg/kg	0.44	0.09	1	03/07/13 16:05	03/08/13 12:25	EPA 3050B	1,6010C	MG
Mercury, Total	0.02	J	mg/kg	0.08	0.02	1	03/07/13 20:45	03/08/13 13:42	EPA 7471B	1,7471B	TT
Nickel, Total	32		mg/kg	1.1	0.18	1	03/07/13 16:05	03/08/13 12:25	EPA 3050B	1,6010C	MG
Selenium, Total	1.0		mg/kg	0.89	0.13	1	03/07/13 16:05	03/08/13 12:25	EPA 3050B	1,6010C	MG
Silver, Total	0.10	J	mg/kg	0.44	0.09	1	03/07/13 16:05	03/08/13 12:25	EPA 3050B	1,6010C	MG
Zinc, Total	130		mg/kg	2.2	0.22	1	03/07/13 16:05	03/08/13 12:25	EPA 3050B	1,6010C	MG

**Project Name:** COMPASS RESIDENCES  
**Project Number:** 5197-01-03-3001

**Lab Number:** L1303608  
**Report Date:** 03/11/13

**SAMPLE RESULTS**

Lab ID: L1303608-04  
 Client ID: SB-8 (0-2') GRAB  
 Sample Location: 1471 WEST FARMS RD. BRONX NY  
 Matrix: Soil  
 Percent Solids: 90%

Date Collected: 03/04/13 11:00  
 Date Received: 03/04/13  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Westborough Lab</b>											
Arsenic, Total	1.8		mg/kg	0.44	0.13	1	03/07/13 16:05	03/08/13 12:27	EPA 3050B	1,6010C	MG
Barium, Total	110		mg/kg	0.44	0.13	1	03/07/13 16:05	03/08/13 12:27	EPA 3050B	1,6010C	MG
Beryllium, Total	0.43		mg/kg	0.22	0.02	1	03/07/13 16:05	03/08/13 12:27	EPA 3050B	1,6010C	MG
Cadmium, Total	ND		mg/kg	0.44	0.03	1	03/07/13 16:05	03/08/13 12:27	EPA 3050B	1,6010C	MG
Chromium, Total	26		mg/kg	0.44	0.09	1	03/07/13 16:05	03/08/13 12:27	EPA 3050B	1,6010C	MG
Copper, Total	34		mg/kg	0.44	0.22	1	03/07/13 16:05	03/08/13 12:27	EPA 3050B	1,6010C	MG
Lead, Total	12		mg/kg	2.2	0.13	1	03/07/13 16:05	03/08/13 12:27	EPA 3050B	1,6010C	MG
Manganese, Total	180		mg/kg	0.44	0.09	1	03/07/13 16:05	03/08/13 12:27	EPA 3050B	1,6010C	MG
Mercury, Total	ND		mg/kg	0.09	0.02	1	03/07/13 20:45	03/08/13 13:47	EPA 7471B	1,7471B	TT
Nickel, Total	21		mg/kg	1.1	0.17	1	03/07/13 16:05	03/08/13 12:27	EPA 3050B	1,6010C	MG
Selenium, Total	0.76	J	mg/kg	0.87	0.13	1	03/07/13 16:05	03/08/13 12:27	EPA 3050B	1,6010C	MG
Silver, Total	0.09	J	mg/kg	0.44	0.09	1	03/07/13 16:05	03/08/13 12:27	EPA 3050B	1,6010C	MG
Zinc, Total	75		mg/kg	2.2	0.22	1	03/07/13 16:05	03/08/13 12:27	EPA 3050B	1,6010C	MG

**Project Name:** COMPASS RESIDENCES  
**Project Number:** 5197-01-03-3001

**Lab Number:** L1303608  
**Report Date:** 03/11/13

## Method Blank Analysis Batch Quality Control

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-02 Batch: WG593925-1									
Mercury, Total	ND	mg/kg	0.08	0.02	1	03/07/13 20:45	03/08/13 13:59	1,7471B	TT

### Prep Information

Digestion Method: EPA 7471B

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 03-04 Batch: WG593926-1									
Mercury, Total	ND	mg/kg	0.08	0.02	1	03/07/13 20:45	03/08/13 13:38	1,7471B	TT

### Prep Information

Digestion Method: EPA 7471B

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-04 Batch: WG593976-1									
Arsenic, Total	ND	mg/kg	0.40	0.12	1	03/07/13 16:05	03/08/13 11:24	1,6010C	MG
Barium, Total	ND	mg/kg	0.40	0.12	1	03/07/13 16:05	03/08/13 11:24	1,6010C	MG
Beryllium, Total	ND	mg/kg	0.20	0.02	1	03/07/13 16:05	03/08/13 11:24	1,6010C	MG
Cadmium, Total	ND	mg/kg	0.40	0.02	1	03/07/13 16:05	03/08/13 11:24	1,6010C	MG
Chromium, Total	ND	mg/kg	0.40	0.08	1	03/07/13 16:05	03/08/13 11:24	1,6010C	MG
Copper, Total	ND	mg/kg	0.40	0.20	1	03/07/13 16:05	03/08/13 11:24	1,6010C	MG
Lead, Total	ND	mg/kg	2.0	0.12	1	03/07/13 16:05	03/08/13 11:24	1,6010C	MG
Manganese, Total	ND	mg/kg	0.40	0.08	1	03/07/13 16:05	03/08/13 11:24	1,6010C	MG
Nickel, Total	ND	mg/kg	1.0	0.16	1	03/07/13 16:05	03/08/13 11:24	1,6010C	MG
Selenium, Total	ND	mg/kg	0.80	0.12	1	03/07/13 16:05	03/08/13 11:24	1,6010C	MG
Silver, Total	ND	mg/kg	0.40	0.08	1	03/07/13 16:05	03/08/13 11:24	1,6010C	MG
Zinc, Total	ND	mg/kg	2.0	0.20	1	03/07/13 16:05	03/08/13 11:24	1,6010C	MG

**Project Name:** COMPASS RESIDENCES

**Lab Number:** L1303608

**Project Number:** 5197-01-03-3001

**Report Date:** 03/11/13

## **Method Blank Analysis Batch Quality Control**

### **Prep Information**

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Digestion Method: EPA 3050B

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** COMPASS RESIDENCES  
**Project Number:** 5197-01-03-3001

**Lab Number:** L1303608  
**Report Date:** 03/11/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG593925-2 SRM Lot Number: 0518-10-02								
Mercury, Total	111		-		67-133	-		
Total Metals - Westborough Lab Associated sample(s): 03-04 Batch: WG593926-2 SRM Lot Number: 0518-10-02								
Mercury, Total	98		-		67-133	-		
Total Metals - Westborough Lab Associated sample(s): 01-04 Batch: WG593976-2								
Arsenic, Total	108		-		75-125	-		
Barium, Total	101		-		75-125	-		
Beryllium, Total	105		-		75-125	-		
Cadmium, Total	106		-		75-125	-		
Chromium, Total	101		-		75-125	-		
Copper, Total	97		-		75-125	-		
Lead, Total	100		-		75-125	-		
Manganese, Total	100		-		75-125	-		
Nickel, Total	97		-		75-125	-		
Selenium, Total	104		-		75-125	-		
Silver, Total	115		-		75-125	-		
Zinc, Total	100		-		75-125	-		

### Matrix Spike Analysis Batch Quality Control

**Project Name:** COMPASS RESIDENCES  
**Project Number:** 5197-01-03-3001

**Lab Number:** L1303608  
**Report Date:** 03/11/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Qual	MSD Found	MSD %Recovery	MSD Qual	Recovery Limits	RPD	RPD Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG593925-4 QC Sample: L1303537-01 Client ID: MS Sample												
Mercury, Total	0.02J	0.154	0.18	117		-	-		70-130	-		35
Total Metals - Westborough Lab Associated sample(s): 03-04 QC Batch ID: WG593926-4 QC Sample: L1303608-03 Client ID: SB-7 (0-2') GRAB												
Mercury, Total	0.02J	0.152	0.18	119		-	-		70-130	-		35
Total Metals - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG593976-4 QC Sample: L1303478-44 Client ID: MS Sample												
Arsenic, Total	3.3	8.99	13	108		-	-		75-125	-		35
Barium, Total	79.	150	220	94		-	-		75-125	-		35
Beryllium, Total	0.44	3.74	4.1	98		-	-		75-125	-		35
Cadmium, Total	ND	3.82	3.4	89		-	-		75-125	-		35
Chromium, Total	12.	15	26	93		-	-		75-125	-		35
Copper, Total	17.	18.7	37	107		-	-		75-125	-		35
Lead, Total	70.	38.2	85	39	Q	-	-		75-125	-		35
Manganese, Total	330	37.4	400	187	Q	-	-		75-125	-		35
Nickel, Total	12.	37.4	44	85		-	-		75-125	-		35
Selenium, Total	0.73J	8.99	8.9	99		-	-		75-125	-		35
Silver, Total	ND	78.4	83	106		-	-		75-125	-		35
Zinc, Total	65.	37.4	120	147	Q	-	-		75-125	-		35

## Lab Duplicate Analysis

Batch Quality Control

Project Name: COMPASS RESIDENCES

Project Number: 5197-01-03-3001

Lab Number: L1303608

Report Date: 03/11/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG593925-3 QC Sample: L1303537-01 Client ID: DUP Sample						
Mercury, Total	0.02J	0.02J	mg/kg	NC		35
Total Metals - Westborough Lab Associated sample(s): 03-04 QC Batch ID: WG593926-3 QC Sample: L1303608-03 Client ID: SB-7 (0-2') GRAB						
Mercury, Total	0.02J	0.02J	mg/kg	NC		35
Total Metals - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG593976-3 QC Sample: L1303478-44 Client ID: DUP Sample						
Arsenic, Total	3.3	5.0	mg/kg	41	Q	35
Barium, Total	79.	61	mg/kg	26		35
Beryllium, Total	0.44	0.46	mg/kg	4		35
Cadmium, Total	ND	ND	mg/kg	NC		35
Chromium, Total	12.	12	mg/kg	0		35
Copper, Total	17.	21	mg/kg	21		35
Lead, Total	70.	37	mg/kg	62	Q	35
Manganese, Total	330	490	mg/kg	39	Q	35
Nickel, Total	12.	13	mg/kg	8		35
Selenium, Total	0.73J	1.0	mg/kg	NC		35
Silver, Total	ND	ND	mg/kg	NC		35
Zinc, Total	65.	78	mg/kg	18		35

# **INORGANICS & MISCELLANEOUS**

Project Name: COMPASS RESIDENCES

Lab Number: L1303608

Project Number: 5197-01-03-3001

Report Date: 03/11/13

## SAMPLE RESULTS

Lab ID: L1303608-01  
 Client ID: SB-4 (0-2') GRAB  
 Sample Location: 1471 WEST FARMS RD. BRONX NY  
 Matrix: Soil

Date Collected: 02/28/13 12:00  
 Date Received: 03/04/13  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	24		mg/kg	0.88	0.88	1	-	03/11/13 10:40	107,-	JO
Solids, Total	91		%	0.10	NA	1	-	03/05/13 00:26	30,2540G	DE
Cyanide, Total	ND		mg/kg	1.0	0.24	1	03/05/13 13:27	03/06/13 14:39	1,9010C/9012A	JO
Chromium, Hexavalent	ND		mg/kg	0.88	0.20	1	03/05/13 13:00	03/06/13 14:21	1,7196A	ST



Project Name: COMPASS RESIDENCES

Lab Number: L1303608

Project Number: 5197-01-03-3001

Report Date: 03/11/13

## SAMPLE RESULTS

Lab ID: L1303608-02  
 Client ID: SB-4 (6-8) GRAB  
 Sample Location: 1471 WEST FARMS RD. BRONX NY  
 Matrix: Soil

Date Collected: 02/28/13 12:00  
 Date Received: 03/04/13  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	44		mg/kg	0.95	0.95	1	-	03/11/13 10:40	107,-	JO
Solids, Total	84		%	0.10	NA	1	-	03/05/13 00:26	30,2540G	DE
Cyanide, Total	ND		mg/kg	1.1	0.26	1	03/05/13 13:27	03/06/13 14:39	1,9010C/9012A	JO
Chromium, Hexavalent	0.90	J	mg/kg	0.95	0.21	1	03/05/13 13:00	03/06/13 14:23	1,7196A	ST



Project Name: COMPASS RESIDENCES

Lab Number: L1303608

Project Number: 5197-01-03-3001

Report Date: 03/11/13

## SAMPLE RESULTS

Lab ID: L1303608-03  
 Client ID: SB-7 (0-2') GRAB  
 Sample Location: 1471 WEST FARMS RD. BRONX NY  
 Matrix: Soil

Date Collected: 03/04/13 10:00  
 Date Received: 03/04/13  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	28		mg/kg	0.92	0.92	1	-	03/11/13 10:40	107,-	JO
Solids, Total	87		%	0.10	NA	1	-	03/05/13 00:26	30,2540G	DE
Cyanide, Total	ND		mg/kg	1.1	0.26	1	03/05/13 13:27	03/06/13 14:40	1,9010C/9012A	JO
Chromium, Hexavalent	ND		mg/kg	0.92	0.21	1	03/05/13 13:00	03/06/13 14:22	1,7196A	ST



Project Name: COMPASS RESIDENCES

Lab Number: L1303608

Project Number: 5197-01-03-3001

Report Date: 03/11/13

## SAMPLE RESULTS

Lab ID: L1303608-04  
 Client ID: SB-8 (0-2') GRAB  
 Sample Location: 1471 WEST FARMS RD. BRONX NY  
 Matrix: Soil

Date Collected: 03/04/13 11:00  
 Date Received: 03/04/13  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	26		mg/kg	0.89	0.89	1	-	03/11/13 10:40	107,-	JO
Solids, Total	90		%	0.10	NA	1	-	03/05/13 00:26	30,2540G	DE
Cyanide, Total	ND		mg/kg	1.0	0.24	1	03/05/13 13:27	03/06/13 14:41	1,9010C/9012A	JO
Chromium, Hexavalent	ND		mg/kg	0.89	0.20	1	03/05/13 13:00	03/06/13 14:23	1,7196A	ST



Project Name: COMPASS RESIDENCES

Lab Number: L1303608

Project Number: 5197-01-03-3001

Report Date: 03/11/13

**Method Blank Analysis**  
**Batch Quality Control**

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-04 Batch: WG593294-1									
Cyanide, Total	ND	mg/kg	0.95	0.22	1	03/05/13 13:27	03/06/13 14:29	1,9010C/9012A	JO
General Chemistry - Westborough Lab for sample(s): 01-04 Batch: WG593361-1									
Chromium, Hexavalent	ND	mg/l	0.80	0.18	1	03/05/13 13:00	03/06/13 13:43	1,7196A	ST

### Lab Control Sample Analysis Batch Quality Control

**Project Name:** COMPASS RESIDENCES  
**Project Number:** 5197-01-03-3001

**Lab Number:** L1303608  
**Report Date:** 03/11/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-04 Batch: WG593294-2 WG593294-3								
Cyanide, Total	97		101		80-120	4		35
General Chemistry - Westborough Lab Associated sample(s): 01-04 Batch: WG593361-2								
Chromium, Hexavalent	89		-		80-120	-		20

### Matrix Spike Analysis Batch Quality Control

**Project Name:** COMPASS RESIDENCES  
**Project Number:** 5197-01-03-3001

**Lab Number:** L1303608  
**Report Date:** 03/11/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG593294-4 WG593294-5 QC Sample: L1303606-01 Client ID: MS Sample												
Cyanide, Total	ND	12	7.5	64	Q	7.3	64	Q	65-135	3		35
General Chemistry - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG593361-3 QC Sample: L1303608-03 Client ID: SB-7 (0-2') GRAB												
Chromium, Hexavalent	ND	1300	1200	93		-	-		75-125	-		20

## Lab Duplicate Analysis

Batch Quality Control

Project Name: COMPASS RESIDENCES

Project Number: 5197-01-03-3001

Lab Number: L1303608

Report Date: 03/11/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG593196-1 QC Sample: L1303555-01 Client ID: DUP Sample						
Solids, Total	92.	92	%	0		20
General Chemistry - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG593361-4 QC Sample: L1303608-03 Client ID: SB-7 (0-2') GRAB						
Chromium, Hexavalent	ND	ND	mg/kg	NC		20

Project Name: COMPASS RESIDENCES

Lab Number: L1303608

Project Number: 5197-01-03-3001

Report Date: 03/11/13

## Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

## Cooler Information Custody Seal

## Cooler

A Absent

## Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1303608-01A	Amber 250ml unpreserved	A	N/A	4.2	Y	Absent	NYTCL-8260(14)
L1303608-01B	Amber 250ml unpreserved	A	N/A	4.2	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),CR-TI(180),NI-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),NYTCL-8081(14),HGT(28),MN-TI(180),NYTCL-8082(14),CD-TI(180),HEXCR-7196(30)
L1303608-02A	Amber 250ml unpreserved	A	N/A	4.2	Y	Absent	NYTCL-8260(14)
L1303608-02B	Amber 250ml unpreserved	A	N/A	4.2	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),CR-TI(180),NI-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),NYTCL-8081(14),HGT(28),MN-TI(180),NYTCL-8082(14),CD-TI(180),HEXCR-7196(30)
L1303608-03A	Amber 250ml unpreserved	A	N/A	4.2	Y	Absent	NYTCL-8260(14)
L1303608-03B	Amber 250ml unpreserved	A	N/A	4.2	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),CR-TI(180),NI-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),NYTCL-8081(14),HGT(28),MN-TI(180),NYTCL-8082(14),CD-TI(180),HEXCR-7196(30)
L1303608-04A	Amber 250ml unpreserved	A	N/A	4.2	Y	Absent	NYTCL-8260(14)

\*Values in parentheses indicate holding time in days



Project Name: COMPASS RESIDENCES

Project Number: 5197-01-03-3001

Lab Number: L1303608

Report Date: 03/11/13

**Container Information**

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1303608-04B	Amber 250ml unpreserved	A	N/A	4.2	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),CR-TI(180),NI-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),NYTCL-8081(14),HG-T(28),MN-TI(180),NYTCL-8082(14),CD-TI(180),HEXCR-7196(30)

**Container Comments**

L1303608-01B

L1303608-02B

L1303608-03B

L1303608-04B

\*Values in parentheses indicate holding time in days

**Project Name:** COMPASS RESIDENCES  
**Project Number:** 5197-01-03-3001

**Lab Number:** L1303608  
**Report Date:** 03/11/13

## GLOSSARY

### Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

### Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

### Terms

**Analytical Method:** Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

### Data Qualifiers

- A** - Spectra identified as "Aldol Condensation Product".
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported

**Report Format:** DU Report with "J" Qualifiers



**Project Name:** COMPASS RESIDENCES  
**Project Number:** 5197-01-03-3001

**Lab Number:** L1303608  
**Report Date:** 03/11/13

**Data Qualifiers**

due to obvious interference.

- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with "J" Qualifiers

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**Project Name:** COMPASS RESIDENCES  
**Project Number:** 5197-01-03-3001

**Lab Number:** L1303608  
**Report Date:** 03/11/13

## REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.
- 30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.
- 107 Alpha Analytical - In-house calculation method.

## LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



## Certificate/Approval Program Summary

Last revised December 19, 2012 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.  
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

### Connecticut Department of Public Health Certificate/Lab ID: PH-0574. **NELAP Accredited Solid Waste/Soil.**

*Drinking Water* (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223, Enumeration and P/A), E. Coli. – Colilert (SM9223, Enumeration and P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

*Wastewater/Non-Potable Water* (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), E. Coli – Colilert (SM9223 Enumeration), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E), Enterococcus - Enterolert.

*Solid Waste/Soil* (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP (Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics & Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).)

### Maine Department of Human Services Certificate/Lab ID: 2009024.

*Drinking Water* (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 2540C, 4500CI-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

*Wastewater/Non-Potable Water* (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500CI-D, 4500CI-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 9010B, 9040B, 9030B, 7470A, 7196A, 2340B, EPA 200.7, 6010B, 6010C, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8330, 8151A, 8260B, 8260C, 8270C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

*Solid Waste/Soil* (Inorganic Parameters: 9010B, 9012A, 9014, 9030B, 9040B, 9045C, 6010B, 6010C, 6020, 6020A, 7471A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260B, 8270C, 8270D, 8330, 8151A, 8081A, 8081B, 8082, 8082A, 3540C, 3546, 3580A, 3630C, 5030B, 5035.)

### Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.

*Drinking Water* (Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; Colilert QT SM9223B; MF-SM9222D.)

*Non-Potable Water (Inorganic Parameters:* (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.

*Organic Parameters:* (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. *Microbiology Parameters:* (ColilertQT SM9223B; Enterolert-QT: SM9222D-MF.)

**New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. *NELAP Accredited.***

*Drinking Water (Inorganic Parameters:* SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. *Organic Parameters:* 504.1, 524.2.)

*Non-Potable Water (Inorganic Parameters:* SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. *Organic Parameters:* SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.)

*Solid & Chemical Materials (Inorganic Parameters:* SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. *Organic Parameters:* SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.)

**New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. *NELAP Accredited.***

*Drinking Water (Inorganic Parameters:* SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. *Organic Parameters:* EPA 332, 504.1, 524.2.)

*Non-Potable Water (Inorganic Parameters:* SM5210B, EPA 410.4, SM5220D, 4500CI-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM2520B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. *Organic Parameters:* SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by NJ Modified 8270, 8015B, NJ EPH.)

*Solid & Chemical Materials (Inorganic Parameters:* SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D, 9050A, 9065, 9251. *Organic Parameters:* SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035L, 5035H, NJ EPH.)

**New York Department of Health Certificate/Lab ID: 11148. *NELAP Accredited.***

*Drinking Water (Inorganic Parameters:* SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. *Organic Parameters:* EPA 524.2, 504.1.)

*Non-Potable Water (Inorganic Parameters:* SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6010C, 6020, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, LACHAT 10-204-00-1-A, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015, 9010C, 9030B. *Organic Parameters:* EPA 624, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 625, 608, 8081A, 8081B, 8151A, 8330, 8082, 8082A, EPA 3510C, 5030B.)

*Solid & Hazardous Waste (Inorganic Parameters:* EPA 1010A, 1030, EPA 6010B, 6010C, 7196A, 7471A, 7471B, 9012B, 9014, 9065, 9050A, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. *Organic Parameters:* EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8015B, 8015C, 8081A, 8081B, 8151A, 8330, 8082 8082A, 3540C,

3546, 3580A, 5030B, 5035A-H, 5035A-L.)

**North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. (Inorganic Parameters:** SM2310B, 2320B, 4500CI-E, 4500Cn-E, 9014, Lachat 10-204-00-1-X, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311,1312. **Organic Parameters:** 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.)

*Drinking Water Program Certificate/Lab ID:* 25700. (**Inorganic Parameters:** Chloride EPA 300.0. **Organic Parameters:** 524.2)

**Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. NELAP Accredited.**

*Drinking Water (Inorganic Parameters:* 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H+-B, 4500NO3-F, 5310C. **Organic Parameters:** EPA 524.2, 504.1)

*Non-Potable Water (Inorganic Parameters:* EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500CI-E, 4500F-B, 4500F-C, 4500H+-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. **Organic Parameters:** EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, NJ-EPH.)

*Solid & Hazardous Waste (Inorganic Parameters:* EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. **Organic Parameters:** 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, NJ-EPH.)

**Rhode Island Department of Health Certificate/Lab ID:** LAO00065. **NELAP Accredited via NJ-DEP.**

Refer to MA-DEP Certificate for Potable and Non-Potable Water.

Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

**Texas Commission on Environmental Quality Certificate/Lab ID:** T104704476. **NELAP Accredited.**

*Non-Potable Water (Inorganic Parameters:* EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 S<sup>2-</sup> D, 510C, 5210B, 5220D, 5310C, 5540C. **Organic Parameters:** EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

*Solid & Hazardous Waste (Inorganic Parameters:* EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

**Virginia Division of Consolidated Laboratory Services Certificate/Lab ID:** 460195. **NELAP Accredited.**

*Drinking Water (Inorganic Parameters:* EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.2, 2320B, 4500F-C, 4500NO3-F, 5310C. **Organic Parameters:** EPA 504.1, 524.2.)

*Non-Potable Water (Inorganic Parameters:* EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X, 7196A, 7470A, 9010B, 9040B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CI-E, 4500F-B, 4500F-C, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C. **Organic Parameters:** EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330, )

*Solid & Hazardous Waste (Inorganic Parameters:* EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9030B, 9010B, 9012A, 9014 9040B, 9045C, 9050A, 9065. **Organic Parameters:** EPA 5030B, 5035, 3540C, 3546, 355B0, 3580A, 3630C, 6020A, 8260B, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.)

**Department of Defense, L-A-B Certificate/Lab ID:** L2217.

*Drinking Water (Inorganic Parameters:* SM 4500H-B. **Organic Parameters:** EPA 524.2, 504.1.)

*Non-Potable Water (Inorganic Parameters:* EPA 200.7, 200.8, 6010B, 6010C, 6020, 6020A, 245.1, 245.2, 7470A, 9040B, 9010B, 180.1. 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 4500CL-D, 5220D, 5310C, 2130B, 2320B, 2540C, 3005A, 3015, 9010B, 9056, 7196A, 3500-Cr-D. **Organic Parameters:** EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330A, 8082, 8082A, 8081A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

8270D, 8270C-SIM, 8270D-SIM, 8330A/B-prep, 8082, 8082A, 8081A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

**The following analytes are not included in our current NELAP/TNI Scope of Accreditation:**

**EPA 8260B:** Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methyl naphthalenes, Total Dimethyl naphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO<sub>2</sub> in a soil matrix, NO<sub>3</sub> in a soil matrix. **EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.

# CHAIN OF CUSTODY

IMPACT ENVIRONMENTAL  
 170 Keyland Court, Bohemia, New York 11716  
 (Tel.) 631-269-8800 (Fax) 631-269-1599

Page 1 of 1



LAB NAME: ALPHA

L1303608

RECEIVED DATE: 3-4-13

## Project Information

Company Name: Impact Environmental  
 Address: 170 Keyland Court  
 City: Bohemia  
 Project Name: 68 MPSS RESIDENCES  
 Street: 1471 WEST FENS RD  
 City: BRUX  
 State: NY  
 Zip: 11717

Project Contact: WEST ANALYST AND B. HELMUTZ  
 Project #: BRUX  
 Project Name: BRUX  
 Project #: 5197-01-03-30

Phone #: 631-269-8800  
 Fax #: 631-269-1599  
 Sampler's Name: B. Howell  
 Sampler's Signature: B. Howell

E-mail: Analyst@impactenvironmental.com  
 AND AND  
 Sampler's Signature: B. Howell

LAB: B. HELMUTZ  
 E-mail: Analyst@impactenvironmental.com  
 AND AND

SAMPLE #	LAB (LAB USE ONLY)	Sample ID	Sample Collection		Sample Containers				Methanol (EPA 5035)	Sodium Bisulfate (EPA 5035)	OTHER (List)	Impact Analytical Package A*	Impact Analytical Package B**	VOCs 8260 (List for NY Part 375 & NJ DCSRS)	SPLP (Mark 'H' in box for 'Hold')	NYCDEP Sewer Discharge Parameters	VOCs 8260 (NYS Part 375)	SVOCs 8270 (NYS Part 375)	TAL METALS 6010 (NYS P.375)	PCBs 8082 (NYS P.375)	PEST/HERB 8081 (NYS P.375)	Matrix Codes	Sample Type	
			Matrix Code	Sample Type	Sample Time	Total # of bottles	None	ICE																HCL
03108		1 SB-4 (0-2)	6815	S	G	2/2/13	1200	2		X							X	X	X	X	X			
		2 SB-4 (6-8)	6816			2/2/13	1200																	
		3 SB-7 (0-2)	6818			3/4/13	1200																	
		4 SB-8 (0-2)	6818			1/2/13	1200																	
		5																						
		6																						
		7																						
		8																						
		9																						
		10																						

Turnaround Time (Business Days): \_\_\_\_\_

(LAB USE ONLY)  
 TAT Approved By / Date: \_\_\_\_\_  
 Standard  Standard  
 5 Day RUSH   
 4 Day RUSH   
 3 Day RUSH   
 2 Day RUSH   
 1 Day RUSH

Project Information  
 Project Name: 68 MPSS RESIDENCES  
 Street: 1471 WEST FENS RD  
 City: BRUX  
 State: NY  
 Zip: 11717

Project Contact: WEST ANALYST AND B. HELMUTZ  
 Project #: BRUX  
 Project Name: BRUX  
 Project #: 5197-01-03-30

Phone #: 631-269-8800  
 Fax #: 631-269-1599  
 Sampler's Name: B. Howell  
 Sampler's Signature: B. Howell

E-mail: Analyst@impactenvironmental.com  
 AND AND  
 Sampler's Signature: B. Howell

LAB: B. HELMUTZ  
 E-mail: Analyst@impactenvironmental.com  
 AND AND

Relinquished by: [Signature] Date / Time: 3-4-13 11:00  
 Relinquished by: [Signature] Date / Time: 3-4-13 2000  
 Relinquished by: [Signature] Date / Time: 3-4-13 2000  
 Relinquished by: [Signature] Date / Time: 3-4-13 2000  
 Relinquished by: [Signature] Date / Time: 3-4-13 2000

Sample custody must be documented below, each time samples change possession, with a signature, date, and time.  
 Received By: [Signature] Date / Time: 3-4-13 16:00  
 Received By: [Signature] Date / Time: 3-4-13 16:00

COOLER INFORMATION  
 Cooler Temp: \_\_\_\_\_  
 On Ice  Sample Receipt Discrepancy (attach information)  
 Updated March 2011



## ANALYTICAL REPORT

Lab Number:	L1304669
Client:	Impact Environmental 170 Keyland Ct Bohemia, NY 11716
ATTN:	Ben Hernandez-Salazar
Phone:	(631) 269-8800
Project Name:	COMPASS RESIDENCES
Project Number:	5197-01-03-3002
Report Date:	03/27/13

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Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

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Eight Walkup Drive, Westborough, MA 01581-1019  
508-898-9220 (Fax) 508-898-9193 800-624-9220 - [www.alphalab.com](http://www.alphalab.com)



**Project Name:** COMPASS RESIDENCES  
**Project Number:** 5197-01-03-3002

**Lab Number:** L1304669  
**Report Date:** 03/27/13

<b>Alpha Sample ID</b>	<b>Client ID</b>	<b>Sample Location</b>	<b>Collection Date/Time</b>
L1304669-01	SB-9 (0-2')	1471 WEST FARMS RD. BRONX, NY	03/19/13 13:00
L1304669-02	SB-9 (10-12')	1471 WEST FARMS RD. BRONX, NY	03/19/13 13:00

**Project Name:** COMPASS RESIDENCES  
**Project Number:** 5197-01-03-3002

**Lab Number:** L1304669  
**Report Date:** 03/27/13

### Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

#### HOLD POLICY

For samples submitted on hold, Alpha's policy is to hold samples free of charge for 30 days from the date the project is completed. After 30 days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

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**Project Name:** COMPASS RESIDENCES  
**Project Number:** 5197-01-03-3002

**Lab Number:** L1304669  
**Report Date:** 03/27/13

### Case Narrative (continued)

#### Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

#### Volatile Organics

Any reported concentrations that are below 200ug/kg may be biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

#### Pesticides

The dual column RPD for L1304669-01 is above the acceptance criteria for 4,4'-DDE; however, obvious column interferences are present. Due to these interferences, the lower of the two results is reported and qualified with a "P".

The surrogate recoveries for L1304669-01 were outside the acceptance criteria for Decachlorobiphenyl (177%/160%); however, re-extraction achieved similar results for Decachlorobiphenyl (528%/720%). The results of both extractions are reported.

The dual column RPDs for L1304669-01RE are above the acceptance criteria for 4,4'-DDE and 4,4'-DDT; however, obvious column interferences are present. Due to these interferences, the lower of the two results is reported and qualified with a "P".

#### Metals

L1304669-01 has elevated detection limits for all analytes, with the exception of Mercury, due to the dilution required by the sample matrix.

L1304669-02 has an elevated detection limit for Selenium due to the dilution required by non-target analyte spectral interferences encountered during analysis.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:  Elizabeth Simmons

Title: Technical Director/Representative

Date: 03/27/13

# ORGANICS

# VOLATILES

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1304669**Project Number:** 5197-01-03-3002**Report Date:** 03/27/13**SAMPLE RESULTS**

Lab ID: L1304669-01  
 Client ID: SB-9 (0-2')  
 Sample Location: 1471 WEST FARMS RD. BRONX, NY  
 Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 03/22/13 12:17  
 Analyst: PP  
 Percent Solids: 87%

Date Collected: 03/19/13 13:00  
 Date Received: 03/20/13  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	11	2.3	1
1,1-Dichloroethane	ND		ug/kg	1.7	0.20	1
Chloroform	ND		ug/kg	1.7	0.42	1
Carbon tetrachloride	ND		ug/kg	1.1	0.24	1
Tetrachloroethene	ND		ug/kg	1.1	0.16	1
Chlorobenzene	ND		ug/kg	1.1	0.40	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.17	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.13	1
Benzene	ND		ug/kg	1.1	0.14	1
Toluene	ND		ug/kg	1.7	0.13	1
Ethylbenzene	ND		ug/kg	1.1	0.17	1
Vinyl chloride	ND		ug/kg	2.3	0.16	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.24	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.24	1
Trichloroethene	ND		ug/kg	1.1	0.17	1
1,2-Dichlorobenzene	ND		ug/kg	5.7	0.21	1
1,3-Dichlorobenzene	ND		ug/kg	5.7	0.21	1
1,4-Dichlorobenzene	ND		ug/kg	5.7	0.28	1
Methyl tert butyl ether	ND		ug/kg	2.3	0.12	1
p/m-Xylene	ND		ug/kg	2.3	0.37	1
o-Xylene	ND		ug/kg	2.3	0.31	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.17	1
Acetone	ND		ug/kg	11	3.6	1
2-Butanone	ND		ug/kg	11	0.41	1
n-Butylbenzene	ND		ug/kg	1.1	0.23	1
sec-Butylbenzene	ND		ug/kg	1.1	0.24	1
tert-Butylbenzene	ND		ug/kg	5.7	0.64	1
n-Propylbenzene	ND		ug/kg	1.1	0.14	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.7	0.16	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.7	0.66	1
1,4-Dioxane	ND		ug/kg	110	20.	1

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1304669**Project Number:** 5197-01-03-3002**Report Date:** 03/27/13**SAMPLE RESULTS**

Lab ID: L1304669-01

Date Collected: 03/19/13 13:00

Client ID: SB-9 (0-2')

Date Received: 03/20/13

Sample Location: 1471 WEST FARMS RD. BRONX, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	100		70-130

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1304669**Project Number:** 5197-01-03-3002**Report Date:** 03/27/13**SAMPLE RESULTS**

Lab ID: L1304669-02  
 Client ID: SB-9 (10-12')  
 Sample Location: 1471 WEST FARMS RD. BRONX, NY  
 Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 03/21/13 20:37  
 Analyst: BN  
 Percent Solids: 89%

Date Collected: 03/19/13 13:00  
 Date Received: 03/20/13  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	11	2.2	1
1,1-Dichloroethane	ND		ug/kg	1.7	0.20	1
Chloroform	ND		ug/kg	1.7	0.41	1
Carbon tetrachloride	ND		ug/kg	1.1	0.24	1
Tetrachloroethene	ND		ug/kg	1.1	0.16	1
Chlorobenzene	ND		ug/kg	1.1	0.39	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.16	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.12	1
Benzene	ND		ug/kg	1.1	0.13	1
Toluene	ND		ug/kg	1.7	0.12	1
Ethylbenzene	ND		ug/kg	1.1	0.16	1
Vinyl chloride	ND		ug/kg	2.2	0.16	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.23	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.24	1
Trichloroethene	ND		ug/kg	1.1	0.17	1
1,2-Dichlorobenzene	ND		ug/kg	5.6	0.20	1
1,3-Dichlorobenzene	ND		ug/kg	5.6	0.20	1
1,4-Dichlorobenzene	ND		ug/kg	5.6	0.27	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.12	1
p/m-Xylene	ND		ug/kg	2.2	0.36	1
o-Xylene	ND		ug/kg	2.2	0.30	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.17	1
Acetone	ND		ug/kg	11	3.5	1
2-Butanone	ND		ug/kg	11	0.40	1
n-Butylbenzene	ND		ug/kg	1.1	0.22	1
sec-Butylbenzene	ND		ug/kg	1.1	0.23	1
tert-Butylbenzene	ND		ug/kg	5.6	0.63	1
n-Propylbenzene	ND		ug/kg	1.1	0.14	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.6	0.16	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.6	0.64	1
1,4-Dioxane	ND		ug/kg	110	19.	1

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1304669**Project Number:** 5197-01-03-3002**Report Date:** 03/27/13**SAMPLE RESULTS**

Lab ID: L1304669-02

Date Collected: 03/19/13 13:00

Client ID: SB-9 (10-12')

Date Received: 03/20/13

Sample Location: 1471 WEST FARMS RD. BRONX, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	100		70-130

Project Name: COMPASS RESIDENCES

Lab Number: L1304669

Project Number: 5197-01-03-3002

Report Date: 03/27/13

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260C  
Analytical Date: 03/21/13 11:11  
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG596863-3					
Methylene chloride	ND		ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.18
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Vinyl chloride	ND		ug/kg	2.0	0.14
1,1-Dichloroethene	ND		ug/kg	1.0	0.20
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24
Methyl tert butyl ether	ND		ug/kg	2.0	0.10
p/m-Xylene	ND		ug/kg	2.0	0.32
o-Xylene	ND		ug/kg	2.0	0.27
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15
Acetone	ND		ug/kg	10	3.1
2-Butanone	ND		ug/kg	10	0.36
n-Butylbenzene	ND		ug/kg	1.0	0.20
sec-Butylbenzene	ND		ug/kg	1.0	0.20
tert-Butylbenzene	ND		ug/kg	5.0	0.56
n-Propylbenzene	ND		ug/kg	1.0	0.12
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
1,4-Dioxane	ND		ug/kg	100	17.

Project Name: COMPASS RESIDENCES

Lab Number: L1304669

Project Number: 5197-01-03-3002

Report Date: 03/27/13

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260C  
 Analytical Date: 03/21/13 11:11  
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
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Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG596863-3

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	99		70-130

Project Name: COMPASS RESIDENCES

Lab Number: L1304669

Project Number: 5197-01-03-3002

Report Date: 03/27/13

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260C  
 Analytical Date: 03/22/13 10:25  
 Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG596981-3					
Methylene chloride	ND		ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.18
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Vinyl chloride	ND		ug/kg	2.0	0.14
1,1-Dichloroethene	ND		ug/kg	1.0	0.20
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24
Methyl tert butyl ether	ND		ug/kg	2.0	0.10
p/m-Xylene	ND		ug/kg	2.0	0.32
o-Xylene	ND		ug/kg	2.0	0.27
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15
Acetone	ND		ug/kg	10	3.1
2-Butanone	ND		ug/kg	10	0.36
n-Butylbenzene	ND		ug/kg	1.0	0.20
sec-Butylbenzene	ND		ug/kg	1.0	0.20
tert-Butylbenzene	ND		ug/kg	5.0	0.56
n-Propylbenzene	ND		ug/kg	1.0	0.12
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
1,4-Dioxane	ND		ug/kg	100	17.

Project Name: COMPASS RESIDENCES

Lab Number: L1304669

Project Number: 5197-01-03-3002

Report Date: 03/27/13

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260C  
 Analytical Date: 03/22/13 10:25  
 Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
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Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG596981-3

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	99		70-130

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: COMPASS RESIDENCES

Lab Number: L1304669

Project Number: 5197-01-03-3002

Report Date: 03/27/13

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG596863-1 WG596863-2								
Methylene chloride	108		108		70-130	0		30
1,1-Dichloroethane	112		109		70-130	3		30
Chloroform	109		110		70-130	1		30
Carbon tetrachloride	104		101		70-130	3		30
1,2-Dichloropropane	110		109		70-130	1		30
Dibromochloromethane	101		103		70-130	2		30
2-Chloroethylvinyl ether	110		109			1		30
1,1,2-Trichloroethane	109		112		70-130	3		30
Tetrachloroethene	106		103		70-130	3		30
Chlorobenzene	107		102		70-130	5		30
Trichlorofluoromethane	96		94		70-139	2		30
1,2-Dichloroethane	109		110		70-130	1		30
1,1,1-Trichloroethane	108		107		70-130	1		30
Bromodichloromethane	108		108		70-130	0		30
trans-1,3-Dichloropropene	109		108		70-130	1		30
cis-1,3-Dichloropropene	109		109		70-130	0		30
1,1-Dichloropropene	111		107		70-130	4		30
Bromoform	100		99		70-130	1		30
1,1,2,2-Tetrachloroethane	104		108		70-130	4		30
Benzene	108		108		70-130	0		30
Toluene	109		105		70-130	4		30

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: COMPASS RESIDENCES

Lab Number: L1304669

Project Number: 5197-01-03-3002

Report Date: 03/27/13

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG596863-1 WG596863-2								
Ethylbenzene	109		105		70-130	4		30
Chloromethane	112		111		52-130	1		30
Bromomethane	117		115		57-147	2		30
Vinyl chloride	109		106		67-130	3		30
Chloroethane	110		109		50-151	1		30
1,1-Dichloroethene	107		104		65-135	3		30
trans-1,2-Dichloroethene	107		105		70-130	2		30
Trichloroethene	108		106		70-130	2		30
1,2-Dichlorobenzene	103		102		70-130	1		30
1,3-Dichlorobenzene	105		104		70-130	1		30
1,4-Dichlorobenzene	106		103		70-130	3		30
Methyl tert butyl ether	102		103		66-130	1		30
p/m-Xylene	108		104		70-130	4		30
o-Xylene	106		104		70-130	2		30
cis-1,2-Dichloroethene	106		105		70-130	1		30
Dibromomethane	108		108		70-130	0		30
Styrene	108		104		70-130	4		30
Dichlorodifluoromethane	77		76		30-146	1		30
Acetone	123		119		54-140	3		30
Carbon disulfide	104		101		59-130	3		30
2-Butanone	<b>138</b>	Q	<b>143</b>	Q	70-130	4		30

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: COMPASS RESIDENCES

Lab Number: L1304669

Project Number: 5197-01-03-3002

Report Date: 03/27/13

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG596863-1 WG596863-2								
Vinyl acetate	108		112		70-130	4		30
4-Methyl-2-pentanone	94		100		70-130	6		30
1,2,3-Trichloropropane	108		110		68-130	2		30
2-Hexanone	108		110		70-130	2		30
Bromochloromethane	107		107		70-130	0		30
2,2-Dichloropropane	111		109		70-130	2		30
1,2-Dibromoethane	103		102		70-130	1		30
1,3-Dichloropropane	107		107		69-130	0		30
1,1,1,2-Tetrachloroethane	105		102		70-130	3		30
Bromobenzene	103		100		70-130	3		30
n-Butylbenzene	115		111		70-130	4		30
sec-Butylbenzene	110		106		70-130	4		30
tert-Butylbenzene	107		102		70-130	5		30
o-Chlorotoluene	117		103		70-130	13		30
p-Chlorotoluene	112		110		70-130	2		30
1,2-Dibromo-3-chloropropane	96		102		68-130	6		30
Hexachlorobutadiene	110		106		67-130	4		30
Isopropylbenzene	108		104		70-130	4		30
p-Isopropyltoluene	108		105		70-130	3		30
Naphthalene	96		99		70-130	3		30
Acrylonitrile	105		111		70-130	6		30

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: COMPASS RESIDENCES

Lab Number: L1304669

Project Number: 5197-01-03-3002

Report Date: 03/27/13

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG596863-1 WG596863-2								
Isopropyl Ether	112		112		66-130	0		30
tert-Butyl Alcohol	102		112		70-130	9		30
n-Propylbenzene	110		108		70-130	2		30
1,2,3-Trichlorobenzene	103		102		70-130	1		30
1,2,4-Trichlorobenzene	104		101		70-130	3		30
1,3,5-Trimethylbenzene	110		107		70-130	3		30
1,2,4-Trimethylbenzene	110		107		70-130	3		30
Methyl Acetate	106		115		70-130	8		30
Ethyl Acetate	106		113		70-130	6		30
Acrolein	129		136	Q	70-130	5		30
Cyclohexane	99		97		70-130	2		30
1,4-Dioxane	96		104		65-136	8		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	92		88		70-130	4		30
1,4-Diethylbenzene	109		105		70-130	4		30
4-Ethyltoluene	110		106		70-130	4		30
1,2,4,5-Tetramethylbenzene	106		103		70-130	3		30
Tetrahydrofuran	100		106		66-130	6		30
Ethyl ether	102		103		67-130	1		30
trans-1,4-Dichloro-2-butene	117		118		70-130	1		30
Methyl cyclohexane	92		88		70-130	4		30
Ethyl-Tert-Butyl-Ether	107		108		70-130	1		30

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: COMPASS RESIDENCES

Lab Number: L1304669

Project Number: 5197-01-03-3002

Report Date: 03/27/13

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG596863-1 WG596863-2								
Tertiary-Amyl Methyl Ether	102		105		70-130	3		30

Surrogate	LCS		LCSD		Acceptance Criteria
	%Recovery	Qual	%Recovery	Qual	
1,2-Dichloroethane-d4	103		104		70-130
Toluene-d8	102		102		70-130
4-Bromofluorobenzene	102		103		70-130
Dibromofluoromethane	98		100		70-130

Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG596981-1 WG596981-2								
Methylene chloride	115		106		70-130	8		30
1,1-Dichloroethane	117		111		70-130	5		30
Chloroform	114		109		70-130	4		30
Carbon tetrachloride	115		108		70-130	6		30
1,2-Dichloropropane	113		110		70-130	3		30
Dibromochloromethane	104		103		70-130	1		30
2-Chloroethylvinyl ether	113		110			3		30
1,1,2-Trichloroethane	109		108		70-130	1		30
Tetrachloroethene	114		104		70-130	9		30

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: COMPASS RESIDENCES

Lab Number: L1304669

Project Number: 5197-01-03-3002

Report Date: 03/27/13

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG596981-1 WG596981-2								
Chlorobenzene	110		104		70-130	6		30
Trichlorofluoromethane	108		97		70-139	11		30
1,2-Dichloroethane	112		110		70-130	2		30
1,1,1-Trichloroethane	117		110		70-130	6		30
Bromodichloromethane	114		109		70-130	4		30
trans-1,3-Dichloropropene	109		109		70-130	0		30
cis-1,3-Dichloropropene	113		109		70-130	4		30
1,1-Dichloropropene	118		110		70-130	7		30
Bromoform	99		100		70-130	1		30
1,1,2,2-Tetrachloroethane	105		106		70-130	1		30
Benzene	114		109		70-130	4		30
Toluene	115		107		70-130	7		30
Ethylbenzene	114		108		70-130	5		30
Chloromethane	133	Q	113		52-130	16		30
Bromomethane	117		110		57-147	6		30
Vinyl chloride	120		106		67-130	12		30
Chloroethane	117		104		50-151	12		30
1,1-Dichloroethene	114		108		65-135	5		30
trans-1,2-Dichloroethene	114		107		70-130	6		30
Trichloroethene	116		109		70-130	6		30
1,2-Dichlorobenzene	108		103		70-130	5		30

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: COMPASS RESIDENCES

Lab Number: L1304669

Project Number: 5197-01-03-3002

Report Date: 03/27/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG596981-1 WG596981-2								
1,3-Dichlorobenzene	109		103		70-130	6		30
1,4-Dichlorobenzene	109		103		70-130	6		30
Methyl tert butyl ether	104		104		66-130	0		30
p/m-Xylene	113		107		70-130	5		30
o-Xylene	112		106		70-130	6		30
cis-1,2-Dichloroethene	111		107		70-130	4		30
Dibromomethane	113		110		70-130	3		30
Styrene	111		106		70-130	5		30
Dichlorodifluoromethane	108		92		30-146	16		30
Acetone	123		95		54-140	26		30
Carbon disulfide	111		98		59-130	12		30
2-Butanone	115		110		70-130	4		30
Vinyl acetate	106		100		70-130	6		30
4-Methyl-2-pentanone	95		98		70-130	3		30
1,2,3-Trichloropropane	108		108		68-130	0		30
2-Hexanone	101		102		70-130	1		30
Bromochloromethane	111		107		70-130	4		30
2,2-Dichloropropane	122		112		70-130	9		30
1,2-Dibromoethane	104		103		70-130	1		30
1,3-Dichloropropane	107		106		69-130	1		30
1,1,1,2-Tetrachloroethane	108		103		70-130	5		30

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: COMPASS RESIDENCES

Lab Number: L1304669

Project Number: 5197-01-03-3002

Report Date: 03/27/13

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG596981-1 WG596981-2								
Bromobenzene	105		102		70-130	3		30
n-Butylbenzene	122		112		70-130	9		30
sec-Butylbenzene	116		110		70-130	5		30
tert-Butylbenzene	113		107		70-130	5		30
o-Chlorotoluene	90		114		70-130	24		30
p-Chlorotoluene	114		109		70-130	4		30
1,2-Dibromo-3-chloropropane	106		99		68-130	7		30
Hexachlorobutadiene	121		110		67-130	10		30
Isopropylbenzene	112		106		70-130	6		30
p-Isopropyltoluene	115		108		70-130	6		30
Naphthalene	101		98		70-130	3		30
Acrylonitrile	108		105		70-130	3		30
Isopropyl Ether	116		114		66-130	2		30
tert-Butyl Alcohol	106		109		70-130	3		30
n-Propylbenzene	115		108		70-130	6		30
1,2,3-Trichlorobenzene	111		104		70-130	7		30
1,2,4-Trichlorobenzene	111		103		70-130	7		30
1,3,5-Trimethylbenzene	115		108		70-130	6		30
1,2,4-Trimethylbenzene	115		109		70-130	5		30
Methyl Acetate	114		119		70-130	4		30
Ethyl Acetate	100		107		70-130	7		30

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: COMPASS RESIDENCES

Lab Number: L1304669

Project Number: 5197-01-03-3002

Report Date: 03/27/13

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG596981-1 WG596981-2								
Acrolein	108		97		70-130	11		30
Cyclohexane	108		100		70-130	8		30
1,4-Dioxane	98		100		65-136	2		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	102		95		70-130	7		30
1,4-Diethylbenzene	116		108		70-130	7		30
4-Ethyltoluene	114		108		70-130	5		30
1,2,4,5-Tetramethylbenzene	114		106		70-130	7		30
Tetrahydrofuran	106		106		66-130	0		30
Ethyl ether	90		96		67-130	6		30
trans-1,4-Dichloro-2-butene	116		119		70-130	3		30
Methyl cyclohexane	100		94		70-130	6		30
Ethyl-Tert-Butyl-Ether	110		109		70-130	1		30
Tertiary-Amyl Methyl Ether	106		105		70-130	1		30

Surrogate	LCS		LCSD		Acceptance Criteria
	%Recovery	Qual	%Recovery	Qual	
1,2-Dichloroethane-d4	101		103		70-130
Toluene-d8	102		101		70-130
4-Bromofluorobenzene	101		101		70-130
Dibromofluoromethane	99		98		70-130

# SEMIVOLATILES

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1304669**Project Number:** 5197-01-03-3002**Report Date:** 03/27/13**SAMPLE RESULTS**

Lab ID: L1304669-01 D  
 Client ID: SB-9 (0-2')  
 Sample Location: 1471 WEST FARMS RD. BRONX, NY  
 Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 03/24/13 20:44  
 Analyst: RC  
 Percent Solids: 87%

Date Collected: 03/19/13 13:00  
 Date Received: 03/20/13  
 Field Prep: Not Specified  
 Extraction Method: EPA 3546  
 Extraction Date: 03/21/13 08:31

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	7900		ug/kg	1500	390	10
Hexachlorobenzene	ND		ug/kg	1100	360	10
Fluoranthene	74000		ug/kg	1100	350	10
Naphthalene	6900		ug/kg	1900	630	10
Benzo(a)anthracene	40000		ug/kg	1100	370	10
Benzo(a)pyrene	39000		ug/kg	1500	460	10
Benzo(b)fluoranthene	46000		ug/kg	1100	380	10
Benzo(k)fluoranthene	22000		ug/kg	1100	360	10
Chrysene	37000		ug/kg	1100	370	10
Acenaphthylene	2700		ug/kg	1500	360	10
Anthracene	64000		ug/kg	1100	320	10
Benzo(ghi)perylene	21000		ug/kg	1500	400	10
Fluorene	7100		ug/kg	1900	540	10
Phenanthrene	58000		ug/kg	1100	370	10
Dibenzo(a,h)anthracene	5800		ug/kg	1100	370	10
Indeno(1,2,3-cd)pyrene	20000		ug/kg	1500	420	10
Pyrene	67000		ug/kg	1100	370	10
Dibenzofuran	3700		ug/kg	1900	640	10
Pentachlorophenol	ND		ug/kg	1500	410	10
Phenol	ND		ug/kg	1900	560	10
2-Methylphenol	ND		ug/kg	1900	610	10
3-Methylphenol/4-Methylphenol	ND		ug/kg	2700	620	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	72		25-120
Phenol-d6	75		10-120
Nitrobenzene-d5	83		23-120
2-Fluorobiphenyl	79		30-120
2,4,6-Tribromophenol	82		0-136
4-Terphenyl-d14	85		18-120

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1304669**Project Number:** 5197-01-03-3002**Report Date:** 03/27/13**SAMPLE RESULTS**

Lab ID: L1304669-02  
 Client ID: SB-9 (10-12')  
 Sample Location: 1471 WEST FARMS RD. BRONX, NY  
 Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 03/24/13 21:07  
 Analyst: RC  
 Percent Solids: 89%

Date Collected: 03/19/13 13:00  
 Date Received: 03/20/13  
 Field Prep: Not Specified  
 Extraction Method: EPA 3546  
 Extraction Date: 03/21/13 08:31

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	ND		ug/kg	150	39.	1
Hexachlorobenzene	ND		ug/kg	110	35.	1
Fluoranthene	ND		ug/kg	110	34.	1
Naphthalene	ND		ug/kg	190	62.	1
Benzo(a)anthracene	ND		ug/kg	110	37.	1
Benzo(a)pyrene	ND		ug/kg	150	46.	1
Benzo(b)fluoranthene	ND		ug/kg	110	38.	1
Benzo(k)fluoranthene	ND		ug/kg	110	36.	1
Chrysene	ND		ug/kg	110	37.	1
Acenaphthylene	ND		ug/kg	150	35.	1
Anthracene	ND		ug/kg	110	31.	1
Benzo(ghi)perylene	ND		ug/kg	150	39.	1
Fluorene	ND		ug/kg	190	54.	1
Phenanthrene	ND		ug/kg	110	37.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	36.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	42.	1
Pyrene	ND		ug/kg	110	36.	1
Dibenzofuran	ND		ug/kg	190	62.	1
Pentachlorophenol	ND		ug/kg	150	40.	1
Phenol	ND		ug/kg	190	55.	1
2-Methylphenol	ND		ug/kg	190	60.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	61.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	71		25-120
Phenol-d6	72		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	69		30-120
2,4,6-Tribromophenol	72		0-136
4-Terphenyl-d14	69		18-120

Project Name: COMPASS RESIDENCES

Lab Number: L1304669

Project Number: 5197-01-03-3002

Report Date: 03/27/13

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8270D  
 Analytical Date: 03/24/13 18:24  
 Analyst: RC

Extraction Method: EPA 3546  
 Extraction Date: 03/21/13 08:31

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG596575-1					
Acenaphthene	ND		ug/kg	130	34.
Hexachlorobenzene	ND		ug/kg	99	31.
Fluoranthene	ND		ug/kg	99	30.
Naphthalene	ND		ug/kg	160	55.
Benzo(a)anthracene	ND		ug/kg	99	32.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	99	33.
Benzo(k)fluoranthene	ND		ug/kg	99	32.
Chrysene	ND		ug/kg	99	32.
Acenaphthylene	ND		ug/kg	130	31.
Anthracene	ND		ug/kg	99	28.
Benzo(ghi)perylene	ND		ug/kg	130	34.
Fluorene	ND		ug/kg	160	47.
Phenanthrene	ND		ug/kg	99	32.
Dibenzo(a,h)anthracene	ND		ug/kg	99	32.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	37.
Pyrene	ND		ug/kg	99	32.
Dibenzofuran	ND		ug/kg	160	55.
Pentachlorophenol	ND		ug/kg	130	35.
Phenol	ND		ug/kg	160	49.
2-Methylphenol	ND		ug/kg	160	53.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	54.

Project Name: COMPASS RESIDENCES

Lab Number: L1304669

Project Number: 5197-01-03-3002

Report Date: 03/27/13

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8270D  
 Analytical Date: 03/24/13 18:24  
 Analyst: RC

Extraction Method: EPA 3546  
 Extraction Date: 03/21/13 08:31

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG596575-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	62		25-120
Phenol-d6	60		10-120
Nitrobenzene-d5	61		23-120
2-Fluorobiphenyl	59		30-120
2,4,6-Tribromophenol	56		0-136
4-Terphenyl-d14	76		18-120

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: COMPASS RESIDENCES

Lab Number: L1304669

Project Number: 5197-01-03-3002

Report Date: 03/27/13

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG596575-2 WG596575-3								
Acenaphthene	59		66		31-137	11		50
1,2,4-Trichlorobenzene	62		66		38-107	6		50
Hexachlorobenzene	66		72		40-140	9		50
Bis(2-chloroethyl)ether	67		71		40-140	6		50
2-Chloronaphthalene	67		73		40-140	9		50
1,2-Dichlorobenzene	62		68		40-140	9		50
1,3-Dichlorobenzene	62		66		40-140	6		50
1,4-Dichlorobenzene	64		69		28-104	8		50
3,3'-Dichlorobenzidine	35	Q	40		40-140	13		50
2,4-Dinitrotoluene	77		83		28-89	8		50
2,6-Dinitrotoluene	85		91		40-140	7		50
Fluoranthene	70		75		40-140	7		50
4-Chlorophenyl phenyl ether	63		70		40-140	11		50
4-Bromophenyl phenyl ether	68		73		40-140	7		50
Bis(2-chloroisopropyl)ether	67		73		40-140	9		50
Bis(2-chloroethoxy)methane	69		73		40-117	6		50
Hexachlorobutadiene	61		66		40-140	8		50
Hexachlorocyclopentadiene	64		68		40-140	6		50
Hexachloroethane	68		67		40-140	1		50
Isophorone	73		82		40-140	12		50
Naphthalene	62		67		40-140	8		50

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: COMPASS RESIDENCES

Lab Number: L1304669

Project Number: 5197-01-03-3002

Report Date: 03/27/13

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG596575-2 WG596575-3								
Nitrobenzene	64		67		40-140	5		50
NitrosoDiPhenylAmine(NDPA)/DPA	70		76			8		50
n-Nitrosodi-n-propylamine	73		81		32-121	10		50
Bis(2-Ethylhexyl)phthalate	75		83		40-140	10		50
Butyl benzyl phthalate	78		83		40-140	6		50
Di-n-butylphthalate	78		85		40-140	9		50
Di-n-octylphthalate	74		80		40-140	8		50
Diethyl phthalate	71		77		40-140	8		50
Dimethyl phthalate	68		74		40-140	8		50
Benzo(a)anthracene	68		75		40-140	10		50
Benzo(a)pyrene	71		70		40-140	1		50
Benzo(b)fluoranthene	65		71		40-140	9		50
Benzo(k)fluoranthene	66		69		40-140	4		50
Chrysene	63		69		40-140	9		50
Acenaphthylene	73		81		40-140	10		50
Anthracene	72		78		40-140	8		50
Benzo(ghi)perylene	62		66		40-140	6		50
Fluorene	66		72		40-140	9		50
Phenanthrene	63		68		40-140	8		50
Dibenzo(a,h)anthracene	65		69		40-140	6		50
Indeno(1,2,3-cd)Pyrene	67		70		40-140	4		50

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: COMPASS RESIDENCES

Lab Number: L1304669

Project Number: 5197-01-03-3002

Report Date: 03/27/13

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG596575-2 WG596575-3								
Pyrene	68		73		35-142	7		50
Biphenyl	60		66			10		50
4-Chloroaniline	31	Q	31	Q	40-140	0		50
2-Nitroaniline	82		88		47-134	7		50
3-Nitroaniline	42		47		26-129	11		50
4-Nitroaniline	78		78		41-125	0		50
Dibenzofuran	61		67		40-140	9		50
2-Methylnaphthalene	65		72		40-140	10		50
1,2,4,5-Tetrachlorobenzene	58		65		40-117	11		50
Acetophenone	70		75		14-144	7		50
2,4,6-Trichlorophenol	73		78		30-130	7		50
P-Chloro-M-Cresol	80		86		26-103	7		50
2-Chlorophenol	69		77		25-102	11		50
2,4-Dichlorophenol	68		75		30-130	10		50
2,4-Dimethylphenol	78		86		30-130	10		50
2-Nitrophenol	74		82		30-130	10		50
4-Nitrophenol	70		77		11-114	10		50
2,4-Dinitrophenol	18		10		4-130	61	Q	50
4,6-Dinitro-o-cresol	55		53		10-130	4		50
Pentachlorophenol	55		56		17-109	2		50
Phenol	65		72		26-90	10		50

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: COMPASS RESIDENCES

Lab Number: L1304669

Project Number: 5197-01-03-3002

Report Date: 03/27/13

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG596575-2 WG596575-3								
2-Methylphenol	76		79		30-130.	4		50
3-Methylphenol/4-Methylphenol	71		78		30-130	9		50
2,4,5-Trichlorophenol	77		81		30-130	5		50
Benzoic Acid	16		0			NC		50
Benzyl Alcohol	61		68		40-140	11		50
Carbazole	68		74		54-128	8		50

Surrogate	LCS		LCSD		Acceptance Criteria
	%Recovery	Qual	%Recovery	Qual	
2-Fluorophenol	73		80		25-120
Phenol-d6	78		85		10-120
Nitrobenzene-d5	77		83		23-120
2-Fluorobiphenyl	75		81		30-120
2,4,6-Tribromophenol	80		86		0-136
4-Terphenyl-d14	75		78		18-120

# PCBS

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1304669**Project Number:** 5197-01-03-3002**Report Date:** 03/27/13**SAMPLE RESULTS**

**Lab ID:** L1304669-01  
**Client ID:** SB-9 (0-2')  
**Sample Location:** 1471 WEST FARMS RD. BRONX, NY  
**Matrix:** Soil  
**Analytical Method:** 1,8082A  
**Analytical Date:** 03/22/13 17:13  
**Analyst:** KB  
**Percent Solids:** 87%

**Date Collected:** 03/19/13 13:00  
**Date Received:** 03/20/13  
**Field Prep:** Not Specified  
**Extraction Method:** EPA 3546  
**Extraction Date:** 03/21/13 17:00  
**Cleanup Method1:** EPA 3665A  
**Cleanup Date1:** 03/22/13  
**Cleanup Method2:** EPA 3660B  
**Cleanup Date2:** 03/22/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1016	ND		ug/kg	36.8	7.27	1
Aroclor 1221	ND		ug/kg	36.8	11.1	1
Aroclor 1232	ND		ug/kg	36.8	7.82	1
Aroclor 1242	ND		ug/kg	36.8	6.98	1
Aroclor 1248	ND		ug/kg	36.8	4.45	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	67		30-150
Decachlorobiphenyl	66		30-150
2,4,5,6-Tetrachloro-m-xylene	76		30-150
Decachlorobiphenyl	64		30-150

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1304669**Project Number:** 5197-01-03-3002**Report Date:** 03/27/13**SAMPLE RESULTS**

Lab ID: L1304669-01  
 Client ID: SB-9 (0-2')  
 Sample Location: 1471 WEST FARMS RD. BRONX, NY  
 Matrix: Soil  
 Analytical Method: 1,8082A  
 Analytical Date: 03/22/13 17:13  
 Analyst: KB  
 Percent Solids: 87%

Date Collected: 03/19/13 13:00  
 Date Received: 03/20/13  
 Field Prep: Not Specified  
 Extraction Method: EPA 3546  
 Extraction Date: 03/21/13 17:00  
 Cleanup Method1: EPA 3665A  
 Cleanup Date1: 03/22/13  
 Cleanup Method2: EPA 3660B  
 Cleanup Date2: 03/22/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1254	74.0		ug/kg	36.8	5.80	1
Aroclor 1260	35.4	J	ug/kg	36.8	6.39	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	67		30-150
Decachlorobiphenyl	66		30-150
2,4,5,6-Tetrachloro-m-xylene	76		30-150
Decachlorobiphenyl	64		30-150

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1304669**Project Number:** 5197-01-03-3002**Report Date:** 03/27/13**SAMPLE RESULTS**

**Lab ID:** L1304669-02  
**Client ID:** SB-9 (10-12')  
**Sample Location:** 1471 WEST FARMS RD. BRONX, NY  
**Matrix:** Soil  
**Analytical Method:** 1,8082A  
**Analytical Date:** 03/22/13 17:25  
**Analyst:** KB  
**Percent Solids:** 89%

**Date Collected:** 03/19/13 13:00  
**Date Received:** 03/20/13  
**Field Prep:** Not Specified  
**Extraction Method:** EPA 3546  
**Extraction Date:** 03/21/13 17:00  
**Cleanup Method1:** EPA 3665A  
**Cleanup Date1:** 03/22/13  
**Cleanup Method2:** EPA 3660B  
**Cleanup Date2:** 03/22/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1016	ND		ug/kg	36.0	7.11	1
Aroclor 1221	ND		ug/kg	36.0	10.8	1
Aroclor 1232	ND		ug/kg	36.0	7.64	1
Aroclor 1242	ND		ug/kg	36.0	6.83	1
Aroclor 1248	ND		ug/kg	36.0	4.35	1
Aroclor 1254	ND		ug/kg	36.0	5.67	1
Aroclor 1260	ND		ug/kg	36.0	6.25	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	92		30-150
Decachlorobiphenyl	86		30-150
2,4,5,6-Tetrachloro-m-xylene	93		30-150
Decachlorobiphenyl	105		30-150

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1304669**Project Number:** 5197-01-03-3002**Report Date:** 03/27/13

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8082A  
 Analytical Date: 03/22/13 16:36  
 Analyst: KB

Extraction Method: EPA 3546  
 Extraction Date: 03/21/13 17:00  
 Cleanup Method1: EPA 3665A  
 Cleanup Date1: 03/22/13  
 Cleanup Method2: EPA 3660B  
 Cleanup Date2: 03/22/13

Parameter	Result	Qualifier	Units	RL	MDL
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-02 Batch: WG596730-1					
Aroclor 1016	ND		ug/kg	32.9	6.50
Aroclor 1221	ND		ug/kg	32.9	9.92
Aroclor 1232	ND		ug/kg	32.9	6.99
Aroclor 1242	ND		ug/kg	32.9	6.24
Aroclor 1248	ND		ug/kg	32.9	3.98
Aroclor 1254	ND		ug/kg	32.9	5.18
Aroclor 1260	ND		ug/kg	32.9	5.71

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	87		30-150
Decachlorobiphenyl	80		30-150
2,4,5,6-Tetrachloro-m-xylene	90		30-150
Decachlorobiphenyl	93		30-150

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: COMPASS RESIDENCES

Lab Number: L1304669

Project Number: 5197-01-03-3002

Report Date: 03/27/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG596730-2 WG596730-3								
Aroclor 1016	86		86		40-140	0		50
Aroclor 1260	76		79		40-140	4		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	85		84		30-150
Decachlorobiphenyl	77		78		30-150
2,4,5,6-Tetrachloro-m-xylene	89		86		30-150
Decachlorobiphenyl	90		86		30-150

# PESTICIDES

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1304669**Project Number:** 5197-01-03-3002**Report Date:** 03/27/13**SAMPLE RESULTS**

Lab ID: L1304669-01  
 Client ID: SB-9 (0-2')  
 Sample Location: 1471 WEST FARMS RD. BRONX, NY  
 Matrix: Soil  
 Analytical Method: 1,8081B  
 Analytical Date: 03/23/13 02:55  
 Analyst: BW  
 Percent Solids: 87%

Date Collected: 03/19/13 13:00  
 Date Received: 03/20/13  
 Field Prep: Not Specified  
 Extraction Method: EPA 3546  
 Extraction Date: 03/21/13 14:38  
 Cleanup Method1: EPA 3620B  
 Cleanup Date1: 03/22/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Organochlorine Pesticides by GC - Westborough Lab</b>						
Delta-BHC	ND		ug/kg	1.79	0.351	1
Lindane	ND		ug/kg	0.746	0.334	1
Alpha-BHC	ND		ug/kg	0.746	0.212	1
Beta-BHC	ND		ug/kg	1.79	0.679	1
Heptachlor	ND		ug/kg	0.895	0.401	1
Aldrin	ND		ug/kg	1.79	0.630	1
Endrin	ND		ug/kg	0.746	0.306	1
Dieldrin	ND		ug/kg	1.12	0.560	1
4,4'-DDE	6.69		ug/kg	1.79	0.414	1
4,4'-DDD	ND		ug/kg	1.79	0.639	1
Endosulfan I	ND		ug/kg	1.79	0.423	1
Endosulfan II	ND		ug/kg	1.79	0.598	1
Endosulfan sulfate	ND		ug/kg	0.746	0.341	1
cis-Chlordane	ND		ug/kg	2.24	0.624	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		30-150	A
Decachlorobiphenyl	<b>177</b>	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	62		30-150	B
Decachlorobiphenyl	<b>160</b>	Q	30-150	B

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1304669**Project Number:** 5197-01-03-3002**Report Date:** 03/27/13**SAMPLE RESULTS**

**Lab ID:** L1304669-01  
**Client ID:** SB-9 (0-2')  
**Sample Location:** 1471 WEST FARMS RD. BRONX, NY  
**Matrix:** Soil  
**Analytical Method:** 1,8081B  
**Analytical Date:** 03/23/13 02:55  
**Analyst:** BW  
**Percent Solids:** 87%

**Date Collected:** 03/19/13 13:00  
**Date Received:** 03/20/13  
**Field Prep:** Not Specified  
**Extraction Method:** EPA 3546  
**Extraction Date:** 03/21/13 14:38  
**Cleanup Method1:** EPA 3620B  
**Cleanup Date1:** 03/22/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab						
4,4'-DDT	41.7	P	ug/kg	3.36	1.44	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		30-150	A
Decachlorobiphenyl	177	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	62		30-150	B
Decachlorobiphenyl	160	Q	30-150	B

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1304669**Project Number:** 5197-01-03-3002**Report Date:** 03/27/13**SAMPLE RESULTS**

**Lab ID:** L1304669-01  
**Client ID:** SB-9 (0-2')  
**Sample Location:** 1471 WEST FARMS RD. BRONX, NY  
**Matrix:** Soil  
**Analytical Method:** 1,8151A  
**Analytical Date:** 03/22/13 14:08  
**Analyst:** SH  
**Percent Solids:** 87%

**Date Collected:** 03/19/13 13:00  
**Date Received:** 03/20/13  
**Field Prep:** Not Specified  
**Extraction Method:** EPA 8151A  
**Extraction Date:** 03/21/13 17:30  
**Methylation Date:** 03/22/13 05:50

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Chlorinated Herbicides by GC - Westborough Lab						
2,4,5-TP (Silvex)	ND		ug/kg	191	10.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	90		30-150	A
DCAA	70		30-150	B

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1304669**Project Number:** 5197-01-03-3002**Report Date:** 03/27/13**SAMPLE RESULTS**

Lab ID: L1304669-01 RE  
 Client ID: SB-9 (0-2')  
 Sample Location: 1471 WEST FARMS RD. BRONX, NY  
 Matrix: Soil  
 Analytical Method: 1,8081B  
 Analytical Date: 03/27/13 07:56  
 Analyst: BW  
 Percent Solids: 87%

Date Collected: 03/19/13 13:00  
 Date Received: 03/20/13  
 Field Prep: Not Specified  
 Extraction Method: EPA 3546  
 Extraction Date: 03/26/13 14:46  
 Cleanup Method1: EPA 3620B  
 Cleanup Date1: 03/26/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Organochlorine Pesticides by GC - Westborough Lab</b>						
Delta-BHC	ND		ug/kg	1.73	0.339	1
Lindane	ND		ug/kg	0.721	0.322	1
Alpha-BHC	ND		ug/kg	0.721	0.205	1
Beta-BHC	ND		ug/kg	1.73	0.656	1
Heptachlor	ND		ug/kg	0.865	0.388	1
Aldrin	ND		ug/kg	1.73	0.609	1
Endrin	ND		ug/kg	0.721	0.296	1
Dieldrin	ND		ug/kg	1.08	0.540	1
4,4'-DDD	ND		ug/kg	1.73	0.617	1
Endosulfan I	ND		ug/kg	1.73	0.409	1
Endosulfan II	ND		ug/kg	1.73	0.578	1
Endosulfan sulfate	ND		ug/kg	0.721	0.329	1
cis-Chlordane	ND		ug/kg	2.16	0.602	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		30-150	A
Decachlorobiphenyl	528	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	720	Q	30-150	B

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1304669**Project Number:** 5197-01-03-3002**Report Date:** 03/27/13**SAMPLE RESULTS**

Lab ID: L1304669-01 RE  
 Client ID: SB-9 (0-2')  
 Sample Location: 1471 WEST FARMS RD. BRONX, NY  
 Matrix: Soil  
 Analytical Method: 1,8081B  
 Analytical Date: 03/27/13 07:56  
 Analyst: BW  
 Percent Solids: 87%

Date Collected: 03/19/13 13:00  
 Date Received: 03/20/13  
 Field Prep: Not Specified  
 Extraction Method: EPA 3546  
 Extraction Date: 03/26/13 14:46  
 Cleanup Method1: EPA 3620B  
 Cleanup Date1: 03/26/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Organochlorine Pesticides by GC - Westborough Lab</b>						
4,4'-DDE	13.2	P	ug/kg	1.73	0.400	1
4,4'-DDT	82.2	P	ug/kg	3.24	1.39	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		30-150	A
Decachlorobiphenyl	<b>528</b>	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	<b>720</b>	Q	30-150	B

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1304669**Project Number:** 5197-01-03-3002**Report Date:** 03/27/13**SAMPLE RESULTS**

**Lab ID:** L1304669-02  
**Client ID:** SB-9 (10-12')  
**Sample Location:** 1471 WEST FARMS RD. BRONX, NY  
**Matrix:** Soil  
**Analytical Method:** 1,8081B  
**Analytical Date:** 03/23/13 03:08  
**Analyst:** BW  
**Percent Solids:** 89%

**Date Collected:** 03/19/13 13:00  
**Date Received:** 03/20/13  
**Field Prep:** Not Specified  
**Extraction Method:** EPA 3546  
**Extraction Date:** 03/21/13 14:38  
**Cleanup Method1:** EPA 3620B  
**Cleanup Date1:** 03/22/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Organochlorine Pesticides by GC - Westborough Lab</b>						
Delta-BHC	ND		ug/kg	1.74	0.341	1
Lindane	ND		ug/kg	0.725	0.324	1
Alpha-BHC	ND		ug/kg	0.725	0.206	1
Beta-BHC	ND		ug/kg	1.74	0.660	1
Heptachlor	ND		ug/kg	0.870	0.390	1
Aldrin	ND		ug/kg	1.74	0.613	1
Endrin	ND		ug/kg	0.725	0.297	1
Dieldrin	ND		ug/kg	1.09	0.544	1
4,4'-DDE	ND		ug/kg	1.74	0.402	1
4,4'-DDD	ND		ug/kg	1.74	0.621	1
4,4'-DDT	ND		ug/kg	3.26	1.40	1
Endosulfan I	ND		ug/kg	1.74	0.411	1
Endosulfan II	ND		ug/kg	1.74	0.582	1
Endosulfan sulfate	ND		ug/kg	0.725	0.332	1
cis-Chlordane	ND		ug/kg	2.18	0.606	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	93		30-150	A
Decachlorobiphenyl	107		30-150	A
2,4,5,6-Tetrachloro-m-xylene	80		30-150	B
Decachlorobiphenyl	49		30-150	B

**Project Name:** COMPASS RESIDENCES

**Lab Number:** L1304669

**Project Number:** 5197-01-03-3002

**Report Date:** 03/27/13

**SAMPLE RESULTS**

Lab ID: L1304669-02  
 Client ID: SB-9 (10-12')  
 Sample Location: 1471 WEST FARMS RD. BRONX, NY  
 Matrix: Soil  
 Analytical Method: 1,8151A  
 Analytical Date: 03/22/13 14:28  
 Analyst: SH  
 Percent Solids: 89%

Date Collected: 03/19/13 13:00  
 Date Received: 03/20/13  
 Field Prep: Not Specified  
 Extraction Method: EPA 8151A  
 Extraction Date: 03/21/13 17:30  
 Methylation Date: 03/22/13 05:50

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Chlorinated Herbicides by GC - Westborough Lab						
2,4,5-TP (Silvex)	ND		ug/kg	182	10.1	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	103		30-150	A
DCAA	74		30-150	B



Project Name: COMPASS RESIDENCES

Lab Number: L1304669

Project Number: 5197-01-03-3002

Report Date: 03/27/13

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8081B  
Analytical Date: 03/23/13 02:17  
Analyst: BW

Extraction Method: EPA 3546  
Extraction Date: 03/21/13 14:38  
Cleanup Method1: EPA 3620B  
Cleanup Date1: 03/22/13

Parameter	Result	Qualifier	Units	RL	MDL
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-02 Batch: WG596692-1					
Delta-BHC	ND		ug/kg	1.53	0.300
Lindane	ND		ug/kg	0.638	0.285
Alpha-BHC	ND		ug/kg	0.638	0.181
Beta-BHC	ND		ug/kg	1.53	0.580
Heptachlor	ND		ug/kg	0.765	0.343
Aldrin	ND		ug/kg	1.53	0.539
Endrin	ND		ug/kg	0.638	0.261
Dieldrin	ND		ug/kg	0.957	0.478
4,4'-DDE	ND		ug/kg	1.53	0.354
4,4'-DDD	ND		ug/kg	1.53	0.546
4,4'-DDT	ND		ug/kg	2.87	1.23
Endosulfan I	ND		ug/kg	1.53	0.362
Endosulfan II	ND		ug/kg	1.53	0.511
Endosulfan sulfate	ND		ug/kg	0.638	0.291
cis-Chlordane	ND		ug/kg	1.91	0.533

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	104		30-150	A
Decachlorobiphenyl	87		30-150	A
2,4,5,6-Tetrachloro-m-xylene	96		30-150	B
Decachlorobiphenyl	102		30-150	B

Project Name: COMPASS RESIDENCES

Lab Number: L1304669

Project Number: 5197-01-03-3002

Report Date: 03/27/13

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8151A  
 Analytical Date: 03/22/13 13:08  
 Analyst: SH

Extraction Method: EPA 8151A  
 Extraction Date: 03/21/13 17:30

Methylation Date: 03/22/13 05:50

Parameter	Result	Qualifier	Units	RL	MDL
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 01-02 Batch: WG596741-1					
2,4,5-TP (Silvex)	ND		ug/kg	165	9.13

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	85		30-150	A
DCAA	56		30-150	B

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: COMPASS RESIDENCES

Lab Number: L1304669

Project Number: 5197-01-03-3002

Report Date: 03/27/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG596692-2 WG596692-3								
Delta-BHC	74		78		30-150	5		30
Lindane	78		87		30-150	11		30
Alpha-BHC	81		88		30-150	8		30
Beta-BHC	82		94		30-150	14		30
Heptachlor	85		92		30-150	8		30
Aldrin	81		88		30-150	8		30
Heptachlor epoxide	99		109		30-150	10		30
Endrin	88		96		30-150	9		30
Endrin ketone	58		64		30-150	10		30
Dieldrin	81		88		30-150	8		30
4,4'-DDE	81		89		30-150	9		30
4,4'-DDD	82		90		30-150	9		30
4,4'-DDT	77		84		30-150	9		30
Endosulfan I	78		84		30-150	7		30
Endosulfan II	76		82		30-150	8		30
Endosulfan sulfate	64		70		30-150	9		30
Methoxychlor	68		76		30-150	11		30
cis-Chlordane	81		89		30-150	9		30
trans-Chlordane	84		91		30-150	8		30

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** COMPASS RESIDENCES  
**Project Number:** 5197-01-03-3002

**Lab Number:** L1304669  
**Report Date:** 03/27/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
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Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG596692-2 WG596692-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	89		99		30-150	A
Decachlorobiphenyl	67		79		30-150	A
2,4,5,6-Tetrachloro-m-xylene	82		96		30-150	B
Decachlorobiphenyl	84		96		30-150	B

Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG596741-2 WG596741-3

2,4-D	109		115		30-150	5	30
2,4,5-T	93		97		30-150	4	30
2,4,5-TP (Silvex)	87		91		30-150	4	30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	86		86		30-150	A
DCAA	65		63		30-150	B

## METALS

**Project Name:** COMPASS RESIDENCES  
**Project Number:** 5197-01-03-3002

**Lab Number:** L1304669  
**Report Date:** 03/27/13

**SAMPLE RESULTS**

Lab ID: L1304669-01  
 Client ID: SB-9 (0-2')  
 Sample Location: 1471 WEST FARMS RD. BRONX, NY  
 Matrix: Soil  
 Percent Solids: 87%

Date Collected: 03/19/13 13:00  
 Date Received: 03/20/13  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Westborough Lab</b>											
Arsenic, Total	48		mg/kg	2.3	0.69	5	03/21/13 13:55	03/22/13 17:01	EPA 3050B	1,6010C	MG
Barium, Total	560		mg/kg	2.3	0.69	5	03/21/13 13:55	03/22/13 17:01	EPA 3050B	1,6010C	MG
Beryllium, Total	0.76	J	mg/kg	1.1	0.09	5	03/21/13 13:55	03/22/13 17:01	EPA 3050B	1,6010C	MG
Cadmium, Total	1.1	J	mg/kg	2.3	0.14	5	03/21/13 13:55	03/22/13 17:01	EPA 3050B	1,6010C	MG
Chromium, Total	76		mg/kg	2.3	0.46	5	03/21/13 13:55	03/22/13 17:01	EPA 3050B	1,6010C	MG
Copper, Total	210		mg/kg	2.3	1.1	5	03/21/13 13:55	03/22/13 17:01	EPA 3050B	1,6010C	MG
Lead, Total	3000		mg/kg	11	0.69	5	03/21/13 13:55	03/22/13 17:01	EPA 3050B	1,6010C	MG
Manganese, Total	720		mg/kg	2.3	0.46	5	03/21/13 13:55	03/22/13 17:01	EPA 3050B	1,6010C	MG
Mercury, Total	0.30		mg/kg	0.09	0.02	1	03/21/13 11:00	03/22/13 12:15	EPA 7471B	1,7471B	TT
Nickel, Total	64		mg/kg	5.7	0.92	5	03/21/13 13:55	03/22/13 17:01	EPA 3050B	1,6010C	MG
Selenium, Total	2.7	J	mg/kg	4.6	0.69	5	03/21/13 13:55	03/22/13 17:01	EPA 3050B	1,6010C	MG
Silver, Total	2.2	J	mg/kg	2.3	0.46	5	03/21/13 13:55	03/22/13 17:01	EPA 3050B	1,6010C	MG
Zinc, Total	1200		mg/kg	11	1.1	5	03/21/13 13:55	03/22/13 17:01	EPA 3050B	1,6010C	MG

**Project Name:** COMPASS RESIDENCES  
**Project Number:** 5197-01-03-3002

**Lab Number:** L1304669  
**Report Date:** 03/27/13

**SAMPLE RESULTS**

Lab ID: L1304669-02  
 Client ID: SB-9 (10-12')  
 Sample Location: 1471 WEST FARMS RD. BRONX, NY  
 Matrix: Soil  
 Percent Solids: 89%

Date Collected: 03/19/13 13:00  
 Date Received: 03/20/13  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Westborough Lab</b>											
Arsenic, Total	2.0		mg/kg	0.42	0.13	1	03/21/13 13:55	03/21/13 18:16	EPA 3050B	1,6010C	MG
Barium, Total	100		mg/kg	0.42	0.13	1	03/21/13 13:55	03/21/13 18:16	EPA 3050B	1,6010C	MG
Beryllium, Total	0.58		mg/kg	0.21	0.02	1	03/21/13 13:55	03/21/13 18:16	EPA 3050B	1,6010C	MG
Cadmium, Total	ND		mg/kg	0.42	0.03	1	03/21/13 13:55	03/21/13 18:16	EPA 3050B	1,6010C	MG
Chromium, Total	31		mg/kg	0.42	0.08	1	03/21/13 13:55	03/21/13 18:16	EPA 3050B	1,6010C	MG
Copper, Total	58		mg/kg	0.42	0.21	1	03/21/13 13:55	03/21/13 18:16	EPA 3050B	1,6010C	MG
Lead, Total	13		mg/kg	2.1	0.13	1	03/21/13 13:55	03/21/13 18:16	EPA 3050B	1,6010C	MG
Manganese, Total	280		mg/kg	0.42	0.08	1	03/21/13 13:55	03/21/13 18:16	EPA 3050B	1,6010C	MG
Mercury, Total	ND		mg/kg	0.07	0.02	1	03/21/13 11:00	03/22/13 12:17	EPA 7471B	1,7471B	TT
Nickel, Total	24		mg/kg	1.0	0.17	1	03/21/13 13:55	03/21/13 18:16	EPA 3050B	1,6010C	MG
Selenium, Total	0.56	J	mg/kg	1.7	0.25	2	03/21/13 13:55	03/22/13 17:04	EPA 3050B	1,6010C	MG
Silver, Total	ND		mg/kg	0.42	0.08	1	03/21/13 13:55	03/21/13 18:16	EPA 3050B	1,6010C	MG
Zinc, Total	120		mg/kg	2.1	0.21	1	03/21/13 13:55	03/21/13 18:16	EPA 3050B	1,6010C	MG



**Project Name:** COMPASS RESIDENCES  
**Project Number:** 5197-01-03-3002

**Lab Number:** L1304669  
**Report Date:** 03/27/13

## Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-02 Batch: WG596573-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	03/21/13 11:00	03/22/13 12:06	1,7471B	TT

### Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-02 Batch: WG596675-1										
Arsenic, Total	ND		mg/kg	0.40	0.12	1	03/21/13 13:55	03/21/13 17:28	1,6010C	MG
Barium, Total	ND		mg/kg	0.40	0.12	1	03/21/13 13:55	03/21/13 17:28	1,6010C	MG
Beryllium, Total	ND		mg/kg	0.20	0.02	1	03/21/13 13:55	03/21/13 17:28	1,6010C	MG
Cadmium, Total	ND		mg/kg	0.40	0.02	1	03/21/13 13:55	03/21/13 17:28	1,6010C	MG
Chromium, Total	ND		mg/kg	0.40	0.08	1	03/21/13 13:55	03/21/13 17:28	1,6010C	MG
Copper, Total	ND		mg/kg	0.40	0.20	1	03/21/13 13:55	03/21/13 17:28	1,6010C	MG
Lead, Total	0.18	J	mg/kg	2.0	0.12	1	03/21/13 13:55	03/21/13 17:28	1,6010C	MG
Manganese, Total	ND		mg/kg	0.40	0.08	1	03/21/13 13:55	03/21/13 17:28	1,6010C	MG
Nickel, Total	ND		mg/kg	1.0	0.16	1	03/21/13 13:55	03/21/13 17:28	1,6010C	MG
Selenium, Total	ND		mg/kg	0.80	0.12	1	03/21/13 13:55	03/21/13 17:28	1,6010C	MG
Silver, Total	ND		mg/kg	0.40	0.08	1	03/21/13 13:55	03/21/13 17:28	1,6010C	MG
Zinc, Total	0.26	J	mg/kg	2.0	0.20	1	03/21/13 13:55	03/21/13 17:28	1,6010C	MG

### Prep Information

Digestion Method: EPA 3050B

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** COMPASS RESIDENCES

**Lab Number:** L1304669

**Project Number:** 5197-01-03-3002

**Report Date:** 03/27/13

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG596573-2 SRM Lot Number: 0518-10-02								
Mercury, Total	102		-		67-133	-		
Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG596675-2 SRM Lot Number: 0518-10-02								
Arsenic, Total	100		-		81-119	-		
Barium, Total	100		-		83-118	-		
Beryllium, Total	98		-		83-117	-		
Cadmium, Total	98		-		82-117	-		
Chromium, Total	101		-		80-119	-		
Copper, Total	101		-		83-117	-		
Lead, Total	105		-		80-120	-		
Manganese, Total	107		-		83-117	-		
Nickel, Total	104		-		82-117	-		
Selenium, Total	102		-		80-120	-		
Silver, Total	102		-		66-134	-		
Zinc, Total	106		-		82-119	-		

### Matrix Spike Analysis Batch Quality Control

**Project Name:** COMPASS RESIDENCES

**Lab Number:** L1304669

**Project Number:** 5197-01-03-3002

**Report Date:** 03/27/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Qual	MSD Found	MSD %Recovery	MSD Qual	Recovery Limits	RPD	RPD Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG596573-4 QC Sample: L1304659-01 Client ID: MS Sample												
Mercury, Total	ND	0.167	0.17	102		-	-		70-130	-		35
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG596675-4 QC Sample: L1304677-01 Client ID: MS Sample												
Arsenic, Total	2.5	10.1	13	104		-	-		75-125	-		35
Barium, Total	29.	168	200	102		-	-		75-125	-		35
Beryllium, Total	0.50	4.19	4.8	102		-	-		75-125	-		35
Cadmium, Total	ND	4.28	4.1	96		-	-		75-125	-		35
Chromium, Total	22.	16.8	40	107		-	-		75-125	-		35
Copper, Total	30.	21	51	100		-	-		75-125	-		35
Lead, Total	9.6	42.8	57	111		-	-		75-125	-		35
Manganese, Total	400	41.9	320	0	Q	-	-		75-125	-		35
Nickel, Total	13.	41.9	58	107		-	-		75-125	-		35
Selenium, Total	ND	10.1	9.9	98		-	-		75-125	-		35
Silver, Total	ND	25.2	28	111		-	-		75-125	-		35
Zinc, Total	36.	41.9	82	110		-	-		75-125	-		35

## Lab Duplicate Analysis

Batch Quality Control

Project Name: COMPASS RESIDENCES

Project Number: 5197-01-03-3002

Lab Number: L1304669

Report Date: 03/27/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG596573-3 QC Sample: L1304659-01 Client ID: DUP Sample						
Mercury, Total	ND	ND	mg/kg	NC		35
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG596675-3 QC Sample: L1304677-01 Client ID: DUP Sample						
Arsenic, Total	2.5	2.7	mg/kg	8		35
Barium, Total	29.	27	mg/kg	7		35
Beryllium, Total	0.50	0.41J	mg/kg	NC		35
Cadmium, Total	ND	ND	mg/kg	NC		35
Copper, Total	30.	25	mg/kg	18		35
Lead, Total	9.6	8.2	mg/kg	16		35
Nickel, Total	13.	13	mg/kg	0		35
Zinc, Total	36.	43	mg/kg	18		35

# **INORGANICS & MISCELLANEOUS**

Project Name: COMPASS RESIDENCES

Lab Number: L1304669

Project Number: 5197-01-03-3002

Report Date: 03/27/13

## SAMPLE RESULTS

Lab ID: L1304669-01  
 Client ID: SB-9 (0-2')  
 Sample Location: 1471 WEST FARMS RD. BRONX, NY  
 Matrix: Soil

Date Collected: 03/19/13 13:00  
 Date Received: 03/20/13  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	76		mg/kg	0.92	0.92	1	-	03/26/13 14:30	107,-	SD
Solids, Total	87.2		%	0.100	NA	1	-	03/21/13 20:27	30,2540G	RD
Cyanide, Total	ND		mg/kg	1.1	0.25	1	03/22/13 13:30	03/22/13 16:09	1,9010C/9012A	JO
Chromium, Hexavalent	ND		mg/kg	0.92	0.21	1	03/24/13 16:25	03/25/13 20:58	1,7196A	TA



Project Name: COMPASS RESIDENCES

Lab Number: L1304669

Project Number: 5197-01-03-3002

Report Date: 03/27/13

## SAMPLE RESULTS

Lab ID: L1304669-02  
 Client ID: SB-9 (10-12')  
 Sample Location: 1471 WEST FARMS RD. BRONX, NY  
 Matrix: Soil

Date Collected: 03/19/13 13:00  
 Date Received: 03/20/13  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	31		mg/kg	0.89	0.89	1	-	03/26/13 14:30	107,-	SD
Solids, Total	89.4		%	0.100	NA	1	-	03/21/13 20:27	30,2540G	RD
Cyanide, Total	ND		mg/kg	1.1	0.25	1	03/22/13 13:30	03/22/13 16:10	1,9010C/9012A	JO
Chromium, Hexavalent	ND		mg/kg	0.89	0.20	1	03/24/13 16:25	03/25/13 20:59	1,7196A	TA



Project Name: COMPASS RESIDENCES

Lab Number: L1304669

Project Number: 5197-01-03-3002

Report Date: 03/27/13

**Method Blank Analysis**  
**Batch Quality Control**

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-02 Batch: WG596988-1									
Cyanide, Total	ND	mg/kg	0.90	0.21	1	03/22/13 13:30	03/22/13 15:59	1,9010C/9012A	JO
General Chemistry - Westborough Lab for sample(s): 01-02 Batch: WG597188-1									
Chromium, Hexavalent	ND	mg/l	0.80	0.18	1	03/24/13 16:25	03/25/13 20:50	1,7196A	TA

## Lab Control Sample Analysis

Batch Quality Control

**Project Name:** COMPASS RESIDENCES

**Lab Number:** L1304669

**Project Number:** 5197-01-03-3002

**Report Date:** 03/27/13

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG596988-2 WG596988-3								
Cyanide, Total	118		118		80-120	0		35
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG597188-2								
Chromium, Hexavalent	80		-		80-120	-		20

**Matrix Spike Analysis**  
Batch Quality Control

Project Name: COMPASS RESIDENCES

Lab Number: L1304669

Project Number: 5197-01-03-3002

Report Date: 03/27/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Qual	MSD Found	MSD %Recovery	MSD Qual	Recovery Limits	RPD	RPD Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG596988-4 WG596988-5 QC Sample: L1304669-02 Client ID: SB-9 (10-12')												
Cyanide, Total	ND	11	13	120		13	120		65-135	0		35
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG597188-4 QC Sample: L1304669-01 Client ID: SB-9 (0-2')												
Chromium, Hexavalent	ND	1060	880	83		-	-		75-125	-		20

## Lab Duplicate Analysis

Batch Quality Control

Project Name: COMPASS RESIDENCES

Project Number: 5197-01-03-3002

Lab Number: L1304669

Report Date: 03/27/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG596770-1 QC Sample: L1304669-01 Client ID: SB-9 (0-2')						
Solids, Total	87.2	87.0	%	0		20
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG597188-3 QC Sample: L1304669-01 Client ID: SB-9 (0-2')						
Chromium, Hexavalent	ND	ND	mg/kg	NC		20

Project Name: COMPASS RESIDENCES

Lab Number: L1304669

Project Number: 5197-01-03-3002

Report Date: 03/27/13

## Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

## Cooler Information Custody Seal

## Cooler

A Absent

## Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1304669-01A	Amber 250ml unpreserved	A	N/A	2.1	Y	Absent	NYTCL-8260(14)
L1304669-01B	Amber 250ml unpreserved	A	N/A	2.1	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),CR-TI(180),NI-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),NYTCL-8081(14),HGT(28),MN-TI(180),NYTCL-8082(14),CD-TI(180),HEXCR-7196(30)
L1304669-02A	Amber 250ml unpreserved	A	N/A	2.1	Y	Absent	NYTCL-8260(14)
L1304669-02B	Amber 250ml unpreserved	A	N/A	2.1	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),CR-TI(180),NI-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),NYTCL-8081(14),HGT(28),MN-TI(180),NYTCL-8082(14),CD-TI(180),HEXCR-7196(30)

## Container Comments

L1304669-01B

L1304669-02B

\*Values in parentheses indicate holding time in days



**Project Name:** COMPASS RESIDENCES  
**Project Number:** 5197-01-03-3002

**Lab Number:** L1304669  
**Report Date:** 03/27/13

## GLOSSARY

### Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

### Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

### Terms

**Analytical Method:** Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

### Data Qualifiers

- A** - Spectra identified as "Aldol Condensation Product".
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported

**Report Format:** DU Report with "J" Qualifiers



**Project Name:** COMPASS RESIDENCES  
**Project Number:** 5197-01-03-3002

**Lab Number:** L1304669  
**Report Date:** 03/27/13

**Data Qualifiers**

due to obvious interference.

- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with "J" Qualifiers

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**Project Name:** COMPASS RESIDENCES  
**Project Number:** 5197-01-03-3002

**Lab Number:** L1304669  
**Report Date:** 03/27/13

## REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.
- 30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.
- 107 Alpha Analytical - In-house calculation method.

## LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



## Certificate/Approval Program Summary

Last revised December 19, 2012 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.  
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

### Connecticut Department of Public Health Certificate/Lab ID: PH-0574. **NELAP Accredited Solid Waste/Soil.**

*Drinking Water* (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223, Enumeration and P/A), E. Coli. – Colilert (SM9223, Enumeration and P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

*Wastewater/Non-Potable Water* (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), E. Coli – Colilert (SM9223 Enumeration), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E), Enterococcus - Enterolert.

*Solid Waste/Soil* (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP (Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics & Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).)

### Maine Department of Human Services Certificate/Lab ID: 2009024.

*Drinking Water* (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 2540C, 4500CI-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

*Wastewater/Non-Potable Water* (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500CI-D, 4500CI-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 9010B, 9040B, 9030B, 7470A, 7196A, 2340B, EPA 200.7, 6010B, 6010C, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8330, 8151A, 8260B, 8260C, 8270C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

*Solid Waste/Soil* (Inorganic Parameters: 9010B, 9012A, 9014, 9030B, 9040B, 9045C, 6010B, 6010C, 6020, 6020A, 7471A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260B, 8270C, 8270D, 8330, 8151A, 8081A, 8081B, 8082, 8082A, 3540C, 3546, 3580A, 3630C, 5030B, 5035.)

### Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.

*Drinking Water* (Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; Colilert, QT SM9223B; MF-SM9222D.)

*Non-Potable Water (Inorganic Parameters:*, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.

*Organic Parameters:* (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. *Microbiology Parameters:* (ColilertQT SM9223B; Enterolert-QT: SM9222D-MF.)

**New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. *NELAP Accredited.***

*Drinking Water (Inorganic Parameters:* SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. *Organic Parameters:* 504.1, 524.2.)

*Non-Potable Water (Inorganic Parameters:* SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. *Organic Parameters:* SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.)

*Solid & Chemical Materials (Inorganic Parameters:* SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. *Organic Parameters:* SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.)

**New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. *NELAP Accredited.***

*Drinking Water (Inorganic Parameters:* SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. *Organic Parameters:* EPA 332, 504.1, 524.2.)

*Non-Potable Water (Inorganic Parameters:* SM5210B, EPA 410.4, SM5220D, 4500CI-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM2520B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. *Organic Parameters:* SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by NJ Modified 8270, 8015B, NJ EPH.)

*Solid & Chemical Materials (Inorganic Parameters:* SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D, 9050A, 9065, 9251. *Organic Parameters:* SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035L, 5035H, NJ EPH.)

**New York Department of Health Certificate/Lab ID: 11148. *NELAP Accredited.***

*Drinking Water (Inorganic Parameters:* SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. *Organic Parameters:* EPA 524.2, 504.1.)

*Non-Potable Water (Inorganic Parameters:* SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6010C, 6020, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, LACHAT 10-204-00-1-A, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015, 9010C, 9030B. *Organic Parameters:* EPA 624, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 625, 608, 8081A, 8081B, 8151A, 8330, 8082, 8082A, EPA 3510C, 5030B.)

*Solid & Hazardous Waste (Inorganic Parameters:* EPA 1010A, 1030, EPA 6010B, 6010C, 7196A, 7471A, 7471B, 9012B, 9014, 9065, 9050A, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. *Organic Parameters:* EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8015B, 8015C, 8081A, 8081B, 8151A, 8330, 8082 8082A, 3540C,

3546, 3580A, 5030B, 5035A-H, 5035A-L.)

**North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. (Inorganic Parameters:** SM2310B, 2320B, 4500CI-E, 4500Cn-E, 9014, Lachat 10-204-00-1-X, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311,1312. **Organic Parameters:** 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.)

*Drinking Water Program Certificate/Lab ID:* 25700. (**Inorganic Parameters:** Chloride EPA 300.0. **Organic Parameters:** 524.2)

**Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. NELAP Accredited.**

*Drinking Water (Inorganic Parameters:* 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H+-B, 4500NO3-F, 5310C. **Organic Parameters:** EPA 524.2, 504.1)

*Non-Potable Water (Inorganic Parameters:* EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500CI-E, 4500F-B, 4500F-C, 4500H+-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. **Organic Parameters:** EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, NJ-EPH.)

*Solid & Hazardous Waste (Inorganic Parameters:* EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. **Organic Parameters:** 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, NJ-EPH.)

**Rhode Island Department of Health Certificate/Lab ID:** LAO00065. **NELAP Accredited via NJ-DEP.**

Refer to MA-DEP Certificate for Potable and Non-Potable Water.

Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

**Texas Commission on Environmental Quality Certificate/Lab ID:** T104704476. **NELAP Accredited.**

*Non-Potable Water (Inorganic Parameters:* EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 S<sup>2-</sup> D, 510C, 5210B, 5220D, 5310C, 5540C. **Organic Parameters:** EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

*Solid & Hazardous Waste (Inorganic Parameters:* EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

**Virginia Division of Consolidated Laboratory Services Certificate/Lab ID:** 460195. **NELAP Accredited.**

*Drinking Water (Inorganic Parameters:* EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.2, 2320B, 4500F-C, 4500NO3-F, 5310C. **Organic Parameters:** EPA 504.1, 524.2.)

*Non-Potable Water (Inorganic Parameters:* EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X, 7196A, 7470A, 9010B, 9040B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CI-E, 4500F-B, 4500F-C, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C. **Organic Parameters:** EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330, )

*Solid & Hazardous Waste (Inorganic Parameters:* EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9030B, 9010B, 9012A, 9014 9040B, 9045C, 9050A, 9065. **Organic Parameters:** EPA 5030B, 5035, 3540C, 3546, 355B0, 3580A, 3630C, 6020A, 8260B, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.)

**Department of Defense, L-A-B Certificate/Lab ID:** L2217.

*Drinking Water (Inorganic Parameters:* SM 4500H-B. **Organic Parameters:** EPA 524.2, 504.1.)

*Non-Potable Water (Inorganic Parameters:* EPA 200.7, 200.8, 6010B, 6010C, 6020, 6020A, 245.1, 245.2, 7470A, 9040B, 9010B, 180.1. 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 4500CL-D, 5220D, 5310C, 2130B, 2320B, 2540C, 3005A, 3015, 9010B, 9056, 7196A, 3500-Cr-D. **Organic Parameters:** EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330A, 8082, 8082A, 8081A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

8270D, 8270C-SIM, 8270D-SIM, 8330A/B-prep, 8082, 8082A, 8081A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

**The following analytes are not included in our current NELAP/TNI Scope of Accreditation:**

**EPA 8260B:** Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnaphthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO<sub>2</sub> in a soil matrix, NO<sub>3</sub> in a soil matrix. **EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.

# CHAIN OF CUSTODY

IMPACT ENVIRONMENTAL  
 170 Keyland Court, Bohemia, New York 11716  
 (Tel.) 631-269-8800 (Fax) 631-269-1599

Page 1 of 1



LAB NAME: ALPHY

RECEIVED DATE: 3-20-13

21304069

**Client Information**      **Project Information**      **Analytical Information**      **Matrix Codes**

<b>Company Name</b> Impact Environmental	<b>Project Name</b> COMPASS RESIDENCES	<b>Impact Analytical Package A*</b>	L - Liquid
<b>Address</b> 170 Keyland Court	<b>Street</b> 1471 WEST FARMS RD	<b>Impact Analytical Package B**</b>	S - Soil
<b>City</b> Bohemia	<b>City</b> Brox	<b>VOCs 8260</b> (List for NY Part 375 & NJ DCSRS)	A - Air
<b>Project Contact</b> Waste Analyst AND B. HERNADEZ	<b>State</b> NY	<b>SPLP</b> (Mark 'H' in box for 'Hold')	OL - Oil
<b>Phone #</b> 631-269-8800	<b>Zip</b> 11716	<b>NYCDEP Sewer Discharge Parameters</b>	W - Wipe
<b>Fax #</b> 631-269-1599	<b>Project #</b> S197-01-03-3002	<b>VOCs 8260</b> (NYS PART 375)	PC - Paint Chips
<b>E-mail</b> BHERNADEZ@impactenvironmental.com	<b>Sampler's Name</b> B. HERNADEZ	<b>SVOCS 8270</b> (NYS PART 375)	SL - Sludge
<b>LAB</b> SHERNADEZ	<b>Sampler's Signature</b> Berna Hernandez	<b>TAL METALS</b> (NYS Part 375)	SD - Solid
<b>SAMPLE #</b>		<b>PCBs 8082</b> (NYS Part 375)	DW - Drinking Water
<b>SAMPLE INFORMATION</b>		<b>PEST/HERB 8081</b> (NYS Part 375)	DISS - Dissolved
<b>(LAB USE ONLY)</b>			<b>Sample Type</b>
<b>Sample ID</b>	<b>Matrix Code</b>		G - Grab
<b>Sample Type</b>	<b>Sample Date</b>		C - Composite
<b>Sample Time</b>	<b>Sample Time</b>		B - Blank
<b>Sample Total # of bottles</b>	<b>Sample Time</b>		(LAB USE ONLY)
<b>None</b>	<b>Sample Time</b>		
<b>ICH</b>	<b>Sample Time</b>		
<b>HCL</b>	<b>Sample Time</b>		
<b>Methanol (EPA 5035)</b>	<b>Sample Time</b>		
<b>Sodium Bisulfate (EPA 5035)</b>	<b>Sample Time</b>		
<b>OTHER (List)</b>	<b>Sample Time</b>		

SAMPLE #	Sample ID	Matrix Code	Sample Type	Sample Date	Sample Time	Total # of bottles	Number of Each Preserved Bottle								
							None	ICH	HCL	Methanol (EPA 5035)	Sodium Bisulfate (EPA 5035)	OTHER (List)			
1	SB-9 (O-21)	SG		3/19/13	1PM	2		X							
2	SB-9 (10-12)	SG		3/19/13	1PM	2		X							
3															
4															
5															
6															
7															
8															
9															
10															

Turnaround Time (Business Days) \_\_\_\_\_

**(LAB USE ONLY)**

Standard  5 Day RUSH  4 Day RUSH  3 Day RUSH  2 Day RUSH  1 Day RUSH

Relinquished by: \_\_\_\_\_ Date / Time: \_\_\_\_\_

Sample custody must be documented below, each time samples change possession, with a signature, date, and time.

Received By:	Date / Time:						
Berna Hernandez	13/12/13						
Steve Nass	3/21/13						

**COOLER INFORMATION**

On Ice  Sample Receipt Discrepancy (attach information)

COOLER Temp: \_\_\_\_\_

IMPACT ENVIRONMENTAL

Updated March 2011



## ANALYTICAL REPORT

Lab Number:	L1304690
Client:	Impact Environmental 170 Keyland Ct Bohemia, NY 11716
ATTN:	Ben Hernandez-Salazar
Phone:	(631) 269-8800
Project Name:	COMPASS RESIDENCES
Project Number:	5197-01-03-3002
Report Date:	03/27/13

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Certifications & Approvals: NY (11627), CT (PH-0141), NH (2206), NJ NELAP (MA015), RI (LAO00299), PA (68-02089), LA NELAP (03090), FL (E87814), TX (T104704419), WA (C954), DOD (L2217.01), USDA (Permit #P330-11-00109), US Army Corps of Engineers.

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320 Forbes Boulevard, Mansfield, MA 02048-1806  
508-822-9300 (Fax) 508-822-3288 800-624-9220 - [www.alphalab.com](http://www.alphalab.com)



**Project Name:** COMPASS RESIDENCES  
**Project Number:** 5197-01-03-3002

**Lab Number:** L1304690  
**Report Date:** 03/27/13

<b>Alpha Sample ID</b>	<b>Client ID</b>	<b>Sample Location</b>	<b>Collection Date/Time</b>
L1304690-01	SV-2	1471 WEST FARAS RD, BRONX NY	03/20/13 11:15
L1304690-02	SV-3	1471 WEST FARAS RD, BRONX NY	03/20/13 11:39
L1304690-03	SV-4	1471 WEST FARAS RD, BRONX NY	03/19/13 17:45
L1304690-04	SV-5	1471 WEST FARAS RD, BRONX NY	03/20/13 12:11
L1304690-05	SV-6	1471 WEST FARAS RD, BRONX NY	03/20/13 11:59
L1304690-06	CAN 1640	1471 WEST FARAS RD, BRONX NY	

**Project Name:** COMPASS RESIDENCES  
**Project Number:** 5197-01-03-3002

**Lab Number:** L1304690  
**Report Date:** 03/27/13

### Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

#### HOLD POLICY

For samples submitted on hold, Alpha's policy is to hold samples free of charge for 30 days from the date the project is completed. After 30 days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

**Project Name:** COMPASS RESIDENCES  
**Project Number:** 5197-01-03-3002

**Lab Number:** L1304690  
**Report Date:** 03/27/13

### Case Narrative (continued)

#### Volatile Organics in Air

Canisters were released from the laboratory on February 1, 2013. The canister certification results are provided as an addendum.

L134690-03 The RPD of the pre- and post-flow controller calibration check (34% RPD) was outside of the control limit (20% RPD). The initial flow rate for the flow controller was 37 mL/minute; the final flow rate was 52 mL/minute. The final pressure recorded by the laboratory of the associated canister was +1.8 inches of mercury.

L134690-04 The RPD of the pre- and post-flow controller calibration check (33% RPD) was outside of the control limit (20% RPD). The initial flow rate for the flow controller was 35 mL/minute; the final flow rate was 49 mL/minute. The final pressure recorded by the laboratory of the associated canister was +1.2 inches of mercury.

L134690-05 The RPD of the pre- and post-flow controller calibration check (43% RPD) was outside of the control limit (20% RPD). The initial flow rate for the flow controller was 35 mL/minute; the final flow rate was 54 mL/minute. The final pressure recorded by the laboratory of the associated canister was +2.3 inches of mercury.

L134690-06 The RPD of the pre- and post-flow controller calibration check (26% RPD) was outside of the control limit (20% RPD). The initial flow rate for the flow controller was 40 mL/minute; the final flow rate was 52 mL/minute. The final pressure recorded by the laboratory of the associated canister was 0.0 inches of mercury.

L1304690-03 and -04 results for Propylene should be considered estimated due to co-elution with a non-target peak.

L1304690-04 has elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the sample.

**Project Name:** COMPASS RESIDENCES  
**Project Number:** 5197-01-03-3002

**Lab Number:** L1304690  
**Report Date:** 03/27/13

**Case Narrative (continued)**

L1304690-04 The presence of Chloromethane could not be determined in this sample due to a non-target compound interfering with the identification and quantification of this compound.

L1304690-05 has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

L1304690-05 was diluted and re-analyzed to quantitate the sample within the calibration range. The result should be considered estimated, and is qualified with an E flag, for any compound that exceeded the calibration on the initial analysis. The re-analysis was performed only for the compound that exceeded the calibration range.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:  Christopher J. Anderson

Title: Technical Director/Representative

Date: 03/27/13

**AIR**

**Project Name:** COMPASS RESIDENCES  
**Project Number:** 5197-01-03-3002

**Lab Number:** L1304690  
**Report Date:** 03/27/13

**SAMPLE RESULTS**

Lab ID: L1304690-01  
 Client ID: SV-2  
 Sample Location: 1471 WEST FARAS RD, BRONX NY  
 Matrix: Soil\_Vapor  
 Analytical Method: 48,TO-15  
 Analytical Date: 03/22/13 17:54  
 Analyst: RY

Date Collected: 03/20/13 11:15  
 Date Received: 03/20/13  
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
<b>Volatile Organics in Air - Mansfield Lab</b>								
Propylene	ND	0.500	--	ND	0.861	--		1
Dichlorodifluoromethane	0.301	0.200	--	1.49	0.989	--		1
Chloromethane	0.496	0.200	--	1.02	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	2.50	--	ND	4.71	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	9.43	1.00	--	22.4	2.38	--		1
Trichlorofluoromethane	0.216	0.200	--	1.21	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	0.200	--	ND	0.704	--		1
2-Butanone	0.252	0.200	--	0.743	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1



**Project Name:** COMPASS RESIDENCES**Lab Number:** L1304690**Project Number:** 5197-01-03-3002**Report Date:** 03/27/13**SAMPLE RESULTS**

Lab ID: L1304690-01

Date Collected: 03/20/13 11:15

Client ID: SV-2

Date Received: 03/20/13

Sample Location: 1471 WEST FARAS RD, BRONX NY

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
<b>Volatile Organics in Air - Mansfield Lab</b>								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.200	--	ND	0.590	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	2.17	0.200	--	7.65	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	1.53	0.200	--	7.15	0.934	--		1
Heptane	1.06	0.200	--	4.34	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.200	--	ND	0.820	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	1.27	0.200	--	4.79	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	0.314	0.200	--	2.13	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.315	0.200	--	1.37	0.869	--		1
p/m-Xylene	0.797	0.400	--	3.46	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1



**Project Name:** COMPASS RESIDENCES**Lab Number:** L1304690**Project Number:** 5197-01-03-3002**Report Date:** 03/27/13**SAMPLE RESULTS**

Lab ID: L1304690-01

Date Collected: 03/20/13 11:15

Client ID: SV-2

Date Received: 03/20/13

Sample Location: 1471 WEST FARAS RD, BRONX NY

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	0.206	0.200	--	1.01	0.983	--		1
1,2,4-Trimethylbenzene	0.548	0.200	--	2.69	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	93		60-140
Bromochloromethane	95		60-140
chlorobenzene-d5	92		60-140



**Project Name:** COMPASS RESIDENCES**Lab Number:** L1304690**Project Number:** 5197-01-03-3002**Report Date:** 03/27/13**SAMPLE RESULTS**

Lab ID: L1304690-02  
 Client ID: SV-3  
 Sample Location: 1471 WEST FARAS RD, BRONX NY  
 Matrix: Soil\_Vapor  
 Analytical Method: 48,TO-15  
 Analytical Date: 03/22/13 18:24  
 Analyst: RY

Date Collected: 03/20/13 11:39  
 Date Received: 03/20/13  
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
<b>Volatile Organics in Air - Mansfield Lab</b>								
Propylene	ND	0.500	--	ND	0.861	--		1
Dichlorodifluoromethane	0.383	0.200	--	1.89	0.989	--		1
Chloromethane	0.531	0.200	--	1.10	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	5.76	2.50	--	10.9	4.71	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	4.34	1.00	--	10.3	2.38	--		1
Trichlorofluoromethane	0.219	0.200	--	1.23	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	0.200	--	ND	0.704	--		1
2-Butanone	0.323	0.200	--	0.953	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1



**Project Name:** COMPASS RESIDENCES  
**Project Number:** 5197-01-03-3002

**Lab Number:** L1304690  
**Report Date:** 03/27/13

**SAMPLE RESULTS**

Lab ID: L1304690-02  
 Client ID: SV-3  
 Sample Location: 1471 WEST FARAS RD, BRONX NY

Date Collected: 03/20/13 11:39  
 Date Received: 03/20/13  
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
<b>Volatile Organics in Air - Mansfield Lab</b>								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.200	--	ND	0.590	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.204	0.200	--	0.652	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.200	--	ND	0.820	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.404	0.200	--	1.52	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1



**Project Name:** COMPASS RESIDENCES**Lab Number:** L1304690**Project Number:** 5197-01-03-3002**Report Date:** 03/27/13**SAMPLE RESULTS**

Lab ID: L1304690-02

Date Collected: 03/20/13 11:39

Client ID: SV-3

Date Received: 03/20/13

Sample Location: 1471 WEST FARAS RD, BRONX NY

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	92		60-140
Bromochloromethane	94		60-140
chlorobenzene-d5	71		60-140



**Project Name:** COMPASS RESIDENCES  
**Project Number:** 5197-01-03-3002

**Lab Number:** L1304690  
**Report Date:** 03/27/13

**SAMPLE RESULTS**

Lab ID: L1304690-03  
 Client ID: SV-4  
 Sample Location: 1471 WEST FARAS RD, BRONX NY  
 Matrix: Soil\_Vapor  
 Analytical Method: 48,TO-15  
 Analytical Date: 03/22/13 18:55  
 Analyst: RY

Date Collected: 03/19/13 17:45  
 Date Received: 03/20/13  
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
<b>Volatile Organics in Air - Mansfield Lab</b>								
Propylene	1.38	0.500	--	2.38	0.861	--		1
Dichlorodifluoromethane	0.410	0.200	--	2.03	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	0.304	0.200	--	0.673	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	2.50	--	ND	4.71	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	8.24	1.00	--	19.6	2.38	--		1
Trichlorofluoromethane	0.208	0.200	--	1.17	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	0.809	0.200	--	2.52	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	0.200	--	ND	0.704	--		1
2-Butanone	0.937	0.200	--	2.76	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1



**Project Name:** COMPASS RESIDENCES  
**Project Number:** 5197-01-03-3002

**Lab Number:** L1304690  
**Report Date:** 03/27/13

### SAMPLE RESULTS

Lab ID: L1304690-03  
 Client ID: SV-4  
 Sample Location: 1471 WEST FARAS RD, BRONX NY

Date Collected: 03/19/13 17:45  
 Date Received: 03/20/13  
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.200	--	ND	0.590	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.275	0.200	--	0.969	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.388	0.200	--	1.24	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	0.251	0.200	--	0.864	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	0.623	0.200	--	2.91	0.934	--		1
Heptane	0.209	0.200	--	0.857	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.200	--	ND	0.820	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	6.92	0.200	--	26.1	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	1.85	0.200	--	12.5	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.283	0.200	--	1.23	0.869	--		1
p/m-Xylene	1.14	0.400	--	4.95	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1



**Project Name:** COMPASS RESIDENCES**Lab Number:** L1304690**Project Number:** 5197-01-03-3002**Report Date:** 03/27/13**SAMPLE RESULTS**

Lab ID: L1304690-03

Date Collected: 03/19/13 17:45

Client ID: SV-4

Date Received: 03/20/13

Sample Location: 1471 WEST FARAS RD, BRONX NY

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.423	0.200	--	1.84	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	0.248	0.200	--	1.22	0.983	--		1
1,2,4-Trimethylbenzene	0.691	0.200	--	3.40	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	90		60-140
Bromochloromethane	96		60-140
chlorobenzene-d5	94		60-140



**Project Name:** COMPASS RESIDENCES  
**Project Number:** 5197-01-03-3002

**Lab Number:** L1304690  
**Report Date:** 03/27/13

### SAMPLE RESULTS

Lab ID: L1304690-04 D  
 Client ID: SV-5  
 Sample Location: 1471 WEST FARAS RD, BRONX NY  
 Matrix: Soil\_Vapor  
 Analytical Method: 48,TO-15  
 Analytical Date: 03/22/13 19:25  
 Analyst: RY

Date Collected: 03/20/13 12:11  
 Date Received: 03/20/13  
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Propylene	1.12	1.00	--	1.93	1.72	--		2
Dichlorodifluoromethane	ND	0.400	--	ND	1.98	--		2
Chloromethane	ND	0.400	--	ND	0.826	--		2
Freon-114	ND	0.400	--	ND	2.80	--		2
Vinyl chloride	ND	0.400	--	ND	1.02	--		2
1,3-Butadiene	ND	0.400	--	ND	0.885	--		2
Bromomethane	ND	0.400	--	ND	1.55	--		2
Chloroethane	ND	0.400	--	ND	1.06	--		2
Ethanol	ND	5.00	--	ND	9.42	--		2
Vinyl bromide	ND	0.400	--	ND	1.75	--		2
Acetone	2.55	2.00	--	6.06	4.75	--		2
Trichlorofluoromethane	1.01	0.400	--	5.68	2.25	--		2
Isopropanol	ND	1.00	--	ND	2.46	--		2
1,1-Dichloroethene	ND	0.400	--	ND	1.59	--		2
Methylene chloride	ND	2.00	--	ND	6.95	--		2
3-Chloropropene	ND	0.400	--	ND	1.25	--		2
Carbon disulfide	0.652	0.400	--	2.03	1.25	--		2
Freon-113	ND	0.400	--	ND	3.07	--		2
trans-1,2-Dichloroethene	ND	0.400	--	ND	1.59	--		2
1,1-Dichloroethane	ND	0.400	--	ND	1.62	--		2
Methyl tert butyl ether	ND	0.400	--	ND	1.44	--		2
Vinyl acetate	ND	0.400	--	ND	1.41	--		2
2-Butanone	ND	0.400	--	ND	1.18	--		2
cis-1,2-Dichloroethene	ND	0.400	--	ND	1.59	--		2



**Project Name:** COMPASS RESIDENCES  
**Project Number:** 5197-01-03-3002

**Lab Number:** L1304690  
**Report Date:** 03/27/13

**SAMPLE RESULTS**

Lab ID: L1304690-04 D  
 Client ID: SV-5  
 Sample Location: 1471 WEST FARAS RD, BRONX NY

Date Collected: 03/20/13 12:11  
 Date Received: 03/20/13  
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
<b>Volatile Organics in Air - Mansfield Lab</b>								
Ethyl Acetate	ND	1.00	--	ND	3.60	--		2
Chloroform	ND	0.400	--	ND	1.95	--		2
Tetrahydrofuran	ND	0.400	--	ND	1.18	--		2
1,2-Dichloroethane	ND	0.400	--	ND	1.62	--		2
n-Hexane	ND	0.400	--	ND	1.41	--		2
1,1,1-Trichloroethane	ND	0.400	--	ND	2.18	--		2
Benzene	0.444	0.400	--	1.42	1.28	--		2
Carbon tetrachloride	ND	0.400	--	ND	2.52	--		2
Cyclohexane	ND	0.400	--	ND	1.38	--		2
1,2-Dichloropropane	ND	0.400	--	ND	1.85	--		2
Bromodichloromethane	ND	0.400	--	ND	2.68	--		2
1,4-Dioxane	ND	0.400	--	ND	1.44	--		2
Trichloroethene	ND	0.400	--	ND	2.15	--		2
2,2,4-Trimethylpentane	ND	0.400	--	ND	1.87	--		2
Heptane	ND	0.400	--	ND	1.64	--		2
cis-1,3-Dichloropropene	ND	0.400	--	ND	1.82	--		2
4-Methyl-2-pentanone	ND	0.400	--	ND	1.64	--		2
trans-1,3-Dichloropropene	ND	0.400	--	ND	1.82	--		2
1,1,2-Trichloroethane	ND	0.400	--	ND	2.18	--		2
Toluene	ND	0.400	--	ND	1.51	--		2
2-Hexanone	ND	0.400	--	ND	1.64	--		2
Dibromochloromethane	ND	0.400	--	ND	3.41	--		2
1,2-Dibromoethane	ND	0.400	--	ND	3.07	--		2
Tetrachloroethene	ND	0.400	--	ND	2.71	--		2
Chlorobenzene	ND	0.400	--	ND	1.84	--		2
Ethylbenzene	ND	0.400	--	ND	1.74	--		2
p/m-Xylene	ND	0.800	--	ND	3.47	--		2
Bromoform	ND	0.400	--	ND	4.14	--		2



**Project Name:** COMPASS RESIDENCES**Lab Number:** L1304690**Project Number:** 5197-01-03-3002**Report Date:** 03/27/13**SAMPLE RESULTS**

Lab ID: L1304690-04 D

Date Collected: 03/20/13 12:11

Client ID: SV-5

Date Received: 03/20/13

Sample Location: 1471 WEST FARAS RD, BRONX NY

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Styrene	ND	0.400	--	ND	1.70	--		2
1,1,2,2-Tetrachloroethane	ND	0.400	--	ND	2.75	--		2
o-Xylene	ND	0.400	--	ND	1.74	--		2
4-Ethyltoluene	ND	0.400	--	ND	1.97	--		2
1,3,5-Trimethylbenzene	ND	0.400	--	ND	1.97	--		2
1,2,4-Trimethylbenzene	ND	0.400	--	ND	1.97	--		2
Benzyl chloride	ND	0.400	--	ND	2.07	--		2
1,3-Dichlorobenzene	ND	0.400	--	ND	2.40	--		2
1,4-Dichlorobenzene	ND	0.400	--	ND	2.40	--		2
1,2-Dichlorobenzene	ND	0.400	--	ND	2.40	--		2
1,2,4-Trichlorobenzene	ND	0.400	--	ND	2.97	--		2
Hexachlorobutadiene	ND	0.400	--	ND	4.27	--		2

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	94		60-140
Bromochloromethane	95		60-140
chlorobenzene-d5	120		60-140



**Project Name:** COMPASS RESIDENCES  
**Project Number:** 5197-01-03-3002

**Lab Number:** L1304690  
**Report Date:** 03/27/13

### SAMPLE RESULTS

Lab ID: L1304690-05 D  
 Client ID: SV-6  
 Sample Location: 1471 WEST FARAS RD, BRONX NY  
 Matrix: Soil\_Vapor  
 Analytical Method: 48,TO-15  
 Analytical Date: 03/22/13 19:56  
 Analyst: RY

Date Collected: 03/20/13 11:59  
 Date Received: 03/20/13  
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Propylene	ND	174.	--	ND	299	--		348.4
Dichlorodifluoromethane	ND	69.7	--	ND	345	--		348.4
Chloromethane	ND	69.7	--	ND	144	--		348.4
Freon-114	ND	69.7	--	ND	487	--		348.4
Vinyl chloride	ND	69.7	--	ND	178	--		348.4
1,3-Butadiene	ND	69.7	--	ND	154	--		348.4
Bromomethane	ND	69.7	--	ND	271	--		348.4
Chloroethane	ND	69.7	--	ND	184	--		348.4
Ethanol	ND	871.	--	ND	1640	--		348.4
Vinyl bromide	ND	69.7	--	ND	305	--		348.4
Acetone	ND	348	--	ND	827	--		348.4
Trichlorofluoromethane	94500	69.7	--	531000	392	--	E	348.4
Isopropanol	ND	174.	--	ND	428	--		348.4
1,1-Dichloroethene	ND	69.7	--	ND	276	--		348.4
Methylene chloride	ND	348	--	ND	1210	--		348.4
3-Chloropropene	ND	69.7	--	ND	218	--		348.4
Carbon disulfide	ND	69.7	--	ND	217	--		348.4
Freon-113	ND	69.7	--	ND	534	--		348.4
trans-1,2-Dichloroethene	ND	69.7	--	ND	276	--		348.4
1,1-Dichloroethane	ND	69.7	--	ND	282	--		348.4
Methyl tert butyl ether	ND	69.7	--	ND	251	--		348.4
Vinyl acetate	ND	69.7	--	ND	245	--		348.4
2-Butanone	ND	69.7	--	ND	206	--		348.4
cis-1,2-Dichloroethene	ND	69.7	--	ND	276	--		348.4



**Project Name:** COMPASS RESIDENCES  
**Project Number:** 5197-01-03-3002

**Lab Number:** L1304690  
**Report Date:** 03/27/13

### SAMPLE RESULTS

Lab ID: L1304690-05 D  
 Client ID: SV-6  
 Sample Location: 1471 WEST FARAS RD, BRONX NY

Date Collected: 03/20/13 11:59  
 Date Received: 03/20/13  
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	174.	--	ND	627	--		348.4
Chloroform	ND	69.7	--	ND	340	--		348.4
Tetrahydrofuran	ND	69.7	--	ND	206	--		348.4
1,2-Dichloroethane	ND	69.7	--	ND	282	--		348.4
n-Hexane	ND	69.7	--	ND	246	--		348.4
1,1,1-Trichloroethane	ND	69.7	--	ND	380	--		348.4
Benzene	ND	69.7	--	ND	223	--		348.4
Carbon tetrachloride	ND	69.7	--	ND	438	--		348.4
Cyclohexane	ND	69.7	--	ND	240	--		348.4
1,2-Dichloropropane	ND	69.7	--	ND	322	--		348.4
Bromodichloromethane	ND	69.7	--	ND	467	--		348.4
1,4-Dioxane	ND	69.7	--	ND	251	--		348.4
Trichloroethene	ND	69.7	--	ND	375	--		348.4
2,2,4-Trimethylpentane	ND	69.7	--	ND	326	--		348.4
Heptane	ND	69.7	--	ND	286	--		348.4
cis-1,3-Dichloropropene	ND	69.7	--	ND	316	--		348.4
4-Methyl-2-pentanone	ND	69.7	--	ND	286	--		348.4
trans-1,3-Dichloropropene	ND	69.7	--	ND	316	--		348.4
1,1,2-Trichloroethane	ND	69.7	--	ND	380	--		348.4
Toluene	ND	69.7	--	ND	263	--		348.4
2-Hexanone	ND	69.7	--	ND	286	--		348.4
Dibromochloromethane	ND	69.7	--	ND	594	--		348.4
1,2-Dibromoethane	ND	69.7	--	ND	536	--		348.4
Tetrachloroethene	ND	69.7	--	ND	473	--		348.4
Chlorobenzene	ND	69.7	--	ND	321	--		348.4
Ethylbenzene	ND	69.7	--	ND	303	--		348.4
p/m-Xylene	ND	139.	--	ND	604	--		348.4
Bromoform	ND	69.7	--	ND	721	--		348.4



**Project Name:** COMPASS RESIDENCES**Lab Number:** L1304690**Project Number:** 5197-01-03-3002**Report Date:** 03/27/13**SAMPLE RESULTS**

Lab ID: L1304690-05 D

Date Collected: 03/20/13 11:59

Client ID: SV-6

Date Received: 03/20/13

Sample Location: 1471 WEST FARAS RD, BRONX NY

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Styrene	ND	69.7	--	ND	297	--		348.4
1,1,2,2-Tetrachloroethane	ND	69.7	--	ND	479	--		348.4
o-Xylene	ND	69.7	--	ND	303	--		348.4
4-Ethyltoluene	ND	69.7	--	ND	343	--		348.4
1,3,5-Trimethylbenzene	ND	69.7	--	ND	343	--		348.4
1,2,4-Trimethylbenzene	ND	69.7	--	ND	343	--		348.4
Benzyl chloride	ND	69.7	--	ND	361	--		348.4
1,3-Dichlorobenzene	ND	69.7	--	ND	419	--		348.4
1,4-Dichlorobenzene	ND	69.7	--	ND	419	--		348.4
1,2-Dichlorobenzene	ND	69.7	--	ND	419	--		348.4
1,2,4-Trichlorobenzene	ND	69.7	--	ND	517	--		348.4
Hexachlorobutadiene	ND	69.7	--	ND	743	--		348.4

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	92		60-140
Bromochloromethane	96		60-140
chlorobenzene-d5	122		60-140



**Project Name:** COMPASS RESIDENCES**Lab Number:** L1304690**Project Number:** 5197-01-03-3002**Report Date:** 03/27/13**SAMPLE RESULTS**

Lab ID: L1304690-05 D2  
 Client ID: SV-6  
 Sample Location: 1471 WEST FARAS RD, BRONX NY  
 Matrix: Soil\_Vapor  
 Analytical Method: 48,TO-15  
 Analytical Date: 03/23/13 08:39  
 Analyst: RY

Date Collected: 03/20/13 11:59  
 Date Received: 03/20/13  
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Trichlorofluoromethane	110000	279	--	618000	1570	--		1394

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	92		60-140
Bromochloromethane	96		60-140
chlorobenzene-d5	93		60-140



Project Name: COMPASS RESIDENCES

Lab Number: L1304690

Project Number: 5197-01-03-3002

Report Date: 03/27/13

### Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 03/22/13 13:17

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-05 Batch: WG596743-4								
Propylene	ND	0.500	--	ND	0.861	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	2.50	--	ND	4.71	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	0.200	--	ND	0.704	--		1
2-Butanone	ND	0.200	--	ND	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1

Project Name: COMPASS RESIDENCES

Lab Number: L1304690

Project Number: 5197-01-03-3002

Report Date: 03/27/13

### Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 03/22/13 13:17

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-05 Batch: WG596743-4								
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.200	--	ND	0.590	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.200	--	ND	0.820	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1



Project Name: COMPASS RESIDENCES

Lab Number: L1304690

Project Number: 5197-01-03-3002

Report Date: 03/27/13

### Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 03/22/13 13:17

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-05 Batch: WG596743-4								
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds				

No Tentatively Identified Compounds



## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** COMPASS RESIDENCES

**Lab Number:** L1304690

**Project Number:** 5197-01-03-3002

**Report Date:** 03/27/13

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05 Batch: WG596743-3								
Chlorodifluoromethane	84		-		70-130	-		
Propylene	93		-		70-130	-		
Propane	73		-		70-130	-		
Dichlorodifluoromethane	100		-		70-130	-		
Chloromethane	98		-		70-130	-		
1,2-Dichloro-1,1,2,2-tetrafluoroethane	99		-		70-130	-		
Methanol	92		-		70-130	-		
Vinyl chloride	99		-		70-130	-		
1,3-Butadiene	106		-		70-130	-		
Butane	92		-		70-130	-		
Bromomethane	99		-		70-130	-		
Chloroethane	100		-		70-130	-		
Ethyl Alcohol	96		-		70-130	-		
Dichlorofluoromethane	94		-		70-130	-		
Vinyl bromide	98		-		70-130	-		
Acrolein	94		-		70-130	-		
Acetone	103		-		70-130	-		
Acetonitrile	96		-		70-130	-		
Trichlorofluoromethane	101		-		70-130	-		
iso-Propyl Alcohol	102		-		70-130	-		
Acrylonitrile	102		-		70-130	-		

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** COMPASS RESIDENCES

**Lab Number:** L1304690

**Project Number:** 5197-01-03-3002

**Report Date:** 03/27/13

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05 Batch: WG596743-3								
Pentane	91		-		70-130	-		
Ethyl ether	92		-		70-130	-		
1,1-Dichloroethene	95		-		70-130	-		
tert-Butyl Alcohol	94		-		70-130	-		
Methylene chloride	98		-		70-130	-		
3-Chloropropene	125		-		70-130	-		
Carbon disulfide	100		-		70-130	-		
1,1,2-Trichloro-1,2,2-Trifluoroethane	103		-		70-130	-		
trans-1,2-Dichloroethene	91		-		70-130	-		
1,1-Dichloroethane	101		-		70-130	-		
Methyl tert butyl ether	97		-		70-130	-		
Vinyl acetate	110		-		70-130	-		
2-Butanone	95		-		70-130	-		
cis-1,2-Dichloroethene	111		-		70-130	-		
Ethyl Acetate	98		-		70-130	-		
Chloroform	104		-		70-130	-		
Tetrahydrofuran	106		-		70-130	-		
2,2-Dichloropropane	97		-		70-130	-		
1,2-Dichloroethane	104		-		70-130	-		
n-Hexane	89		-		70-130	-		
Isopropyl Ether	86		-		70-130	-		

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: COMPASS RESIDENCES

Lab Number: L1304690

Project Number: 5197-01-03-3002

Report Date: 03/27/13

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05 Batch: WG596743-3								
Ethyl-Tert-Butyl-Ether	84		-		70-130	-		
1,1,1-Trichloroethane	97		-		70-130	-		
1,1-Dichloropropene	104		-		70-130	-		
Benzene	90		-		70-130	-		
Carbon tetrachloride	104		-		70-130	-		
Cyclohexane	107		-		70-130	-		
Tertiary-Amyl Methyl Ether	79		-		70-130	-		
Dibromomethane	80		-		70-130	-		
1,2-Dichloropropane	87		-		70-130	-		
Bromodichloromethane	88		-		70-130	-		
1,4-Dioxane	86		-		70-130	-		
Trichloroethene	87		-		70-130	-		
2,2,4-Trimethylpentane	87		-		70-130	-		
Methyl methacrylate	101		-		70-130	-		
Heptane	85		-		70-130	-		
cis-1,3-Dichloropropene	93		-		70-130	-		
4-Methyl-2-pentanone	86		-		70-130	-		
trans-1,3-Dichloropropene	79		-		70-130	-		
1,1,2-Trichloroethane	87		-		70-130	-		
Toluene	99		-		70-130	-		
1,3-Dichloropropane	95		-		70-130	-		

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: COMPASS RESIDENCES

Lab Number: L1304690

Project Number: 5197-01-03-3002

Report Date: 03/27/13

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05 Batch: WG596743-3								
2-Hexanone	106		-		70-130	-		
Dibromochloromethane	100		-		70-130	-		
1,2-Dibromoethane	102		-		70-130	-		
Butyl Acetate	100		-		70-130	-		
Octane	95		-		70-130	-		
Tetrachloroethene	99		-		70-130	-		
1,1,1,2-Tetrachloroethane	100		-		70-130	-		
Chlorobenzene	101		-		70-130	-		
Ethylbenzene	102		-		70-130	-		
p/m-Xylene	104		-		70-130	-		
Bromoform	97		-		70-130	-		
Styrene	102		-		70-130	-		
1,1,2,2-Tetrachloroethane	107		-		70-130	-		
o-Xylene	107		-		70-130	-		
1,2,3-Trichloropropane	94		-		70-130	-		
Nonane (C9)	98		-		70-130	-		
Isopropylbenzene	100		-		70-130	-		
Bromobenzene	95		-		70-130	-		
o-Chlorotoluene	106		-		70-130	-		
n-Propylbenzene	108		-		70-130	-		
p-Chlorotoluene	100		-		70-130	-		

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: COMPASS RESIDENCES

Project Number: 5197-01-03-3002

Lab Number: L1304690

Report Date: 03/27/13

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05 Batch: WG596743-3								
4-Ethyltoluene	96		-		70-130	-		
1,3,5-Trimethylbenzene	109		-		70-130	-		
tert-Butylbenzene	100		-		70-130	-		
1,2,4-Trimethylbenzene	108		-		70-130	-		
Decane (C10)	98		-		70-130	-		
Benzyl chloride	100		-		70-130	-		
1,3-Dichlorobenzene	107		-		70-130	-		
1,4-Dichlorobenzene	105		-		70-130	-		
sec-Butylbenzene	102		-		70-130	-		
p-Isopropyltoluene	97		-		70-130	-		
1,2-Dichlorobenzene	104		-		70-130	-		
n-Butylbenzene	104		-		70-130	-		
1,2-Dibromo-3-chloropropane	106		-		70-130	-		
Undecane	107		-		70-130	-		
Dodecane (C12)	114		-		70-130	-		
1,2,4-Trichlorobenzene	108		-		70-130	-		
Naphthalene	100		-		70-130	-		
1,2,3-Trichlorobenzene	100		-		70-130	-		
Hexachlorobutadiene	102		-		70-130	-		

## Lab Duplicate Analysis

Batch Quality Control

Project Name: COMPASS RESIDENCES

Project Number: 5197-01-03-3002

Lab Number: L1304690

Report Date: 03/27/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG596743-5 QC Sample: L1304590-02 Client ID: DUP Sample						
Dichlorodifluoromethane	0.588	ND	ppbV	NC		25
Chloromethane	ND	ND	ppbV	NC		25
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	ND	ppbV	NC		25
Vinyl chloride	ND	ND	ppbV	NC		25
1,3-Butadiene	ND	ND	ppbV	NC		25
Bromomethane	ND	ND	ppbV	NC		25
Chloroethane	ND	ND	ppbV	NC		25
Ethyl Alcohol	159	157	ppbV	1		25
Vinyl bromide	ND	ND	ppbV	NC		25
Acetone	5.38	5.53	ppbV	3		25
Trichlorofluoromethane	0.591	0.583	ppbV	1		25
iso-Propyl Alcohol	1.88	1.83	ppbV	3		25
1,1-Dichloroethene	ND	ND	ppbV	NC		25
tert-Butyl Alcohol	4.74	4.66	ppbV	2		25
Methylene chloride	ND	ND	ppbV	NC		25
3-Chloropropene	ND	ND	ppbV	NC		25
Carbon disulfide	ND	ND	ppbV	NC		25
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ND	ppbV	NC		25
trans-1,2-Dichloroethene	ND	ND	ppbV	NC		25

## Lab Duplicate Analysis

Batch Quality Control

Project Name: COMPASS RESIDENCES

Project Number: 5197-01-03-3002

Lab Number: L1304690

Report Date: 03/27/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG596743-5 QC Sample: L1304590-02 Client ID: DUP Sample					
1,1-Dichloroethane	ND	ND	ppbV	NC	25
Methyl tert butyl ether	ND	ND	ppbV	NC	25
2-Butanone	0.928	0.931	ppbV	0	25
cis-1,2-Dichloroethene	ND	ND	ppbV	NC	25
Chloroform	ND	ND	ppbV	NC	25
Tetrahydrofuran	ND	ND	ppbV	NC	25
1,2-Dichloroethane	ND	ND	ppbV	NC	25
n-Hexane	1.21	1.13	ppbV	7	25
1,1,1-Trichloroethane	ND	ND	ppbV	NC	25
Benzene	0.960	1.02	ppbV	6	25
Carbon tetrachloride	ND	ND	ppbV	NC	25
Cyclohexane	4.93	4.83	ppbV	2	25
1,2-Dichloropropane	ND	ND	ppbV	NC	25
Bromodichloromethane	ND	ND	ppbV	NC	25
1,4-Dioxane	0.736	0.746	ppbV	1	25
Trichloroethene	ND	ND	ppbV	NC	25
2,2,4-Trimethylpentane	0.527	ND	ppbV	NC	25
Methyl methacrylate	ND	ND	ppbV	NC	25
Heptane	1.04	0.997	ppbV	4	25

## Lab Duplicate Analysis

Batch Quality Control

Project Name: COMPASS RESIDENCES

Project Number: 5197-01-03-3002

Lab Number: L1304690

Report Date: 03/27/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG596743-5 QC Sample: L1304590-02 Client ID: DUP Sample					
cis-1,3-Dichloropropene	ND	ND	ppbV	NC	25
4-Methyl-2-pentanone	0.894	0.868	ppbV	3	25
trans-1,3-Dichloropropene	ND	ND	ppbV	NC	25
1,1,2-Trichloroethane	ND	ND	ppbV	NC	25
Toluene	12.5	12.3	ppbV	2	25
Dibromochloromethane	ND	ND	ppbV	NC	25
1,2-Dibromoethane	ND	ND	ppbV	NC	25
Tetrachloroethene	ND	ND	ppbV	NC	25
Chlorobenzene	ND	ND	ppbV	NC	25
Ethylbenzene	4.01	3.97	ppbV	1	25
p/m-Xylene	16.8	16.4	ppbV	2	25
Bromoform	ND	ND	ppbV	NC	25
Styrene	1.42	1.31	ppbV	8	25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC	25
o-Xylene	6.20	6.00	ppbV	3	25
o-Chlorotoluene	ND	ND	ppbV	NC	25
4-Ethyltoluene	0.802	0.770	ppbV	4	25
1,3,5-Trimethylbenzene	0.572	0.591	ppbV	3	25
1,2,4-Trimethylbenzene	2.04	1.98	ppbV	3	25

## Lab Duplicate Analysis

Batch Quality Control

Project Name: COMPASS RESIDENCES

Project Number: 5197-01-03-3002

Lab Number: L1304690

Report Date: 03/27/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG596743-5 QC Sample: L1304590-02 Client ID: DUP Sample					
1,3-Dichlorobenzene	ND	ND	ppbV	NC	25
1,4-Dichlorobenzene	ND	ND	ppbV	NC	25
1,2-Dichlorobenzene	ND	ND	ppbV	NC	25
1,2,4-Trichlorobenzene	ND	ND	ppbV	NC	25
Hexachlorobutadiene	ND	ND	ppbV	NC	25

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1304690**Project Number:** 5197-01-03-3002**Report Date:** 03/27/13**SAMPLE RESULTS**

**Lab ID:** L1304690-01      D  
**Client ID:** SV-2  
**Sample Location:** 1471 WEST FARAS RD, BRONX NY  
**Matrix:** Soil\_Vapor  
**Analytical Method:** 51,3C  
**Analytical Date:** 03/25/13 14:28  
**Analyst:** MM

**Date Collected:** 03/20/13 11:15  
**Date Received:** 03/20/13  
**Field Prep:** Not Specified  
**Extraction Method:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Fixed Gases by GC - Mansfield Lab						
Helium	ND		%	0.016	--	1.555

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1304690**Project Number:** 5197-01-03-3002**Report Date:** 03/27/13**SAMPLE RESULTS**

**Lab ID:** L1304690-02      D  
**Client ID:** SV-3  
**Sample Location:** 1471 WEST FARAS RD, BRONX NY  
**Matrix:** Soil\_Vapor  
**Analytical Method:** 51,3C  
**Analytical Date:** 03/25/13 15:03  
**Analyst:** MM

**Date Collected:** 03/20/13 11:39  
**Date Received:** 03/20/13  
**Field Prep:** Not Specified  
**Extraction Method:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Fixed Gases by GC - Mansfield Lab						
Helium	ND		%	0.015	--	1.543

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1304690**Project Number:** 5197-01-03-3002**Report Date:** 03/27/13**SAMPLE RESULTS**

**Lab ID:** L1304690-03      D  
**Client ID:** SV-4  
**Sample Location:** 1471 WEST FARAS RD, BRONX NY  
**Matrix:** Soil\_Vapor  
**Analytical Method:** 51,3C  
**Analytical Date:** 03/25/13 15:39  
**Analyst:** MM

**Date Collected:** 03/19/13 17:45  
**Date Received:** 03/20/13  
**Field Prep:** Not Specified  
**Extraction Method:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Fixed Gases by GC - Mansfield Lab						
Helium	ND		%	0.014	--	1.372

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1304690**Project Number:** 5197-01-03-3002**Report Date:** 03/27/13**SAMPLE RESULTS**

Lab ID: L1304690-04 D  
 Client ID: SV-5  
 Sample Location: 1471 WEST FARAS RD, BRONX NY  
 Matrix: Soil\_Vapor  
 Analytical Method: 51,3C  
 Analytical Date: 03/25/13 16:14  
 Analyst: MM

Date Collected: 03/20/13 12:11  
 Date Received: 03/20/13  
 Field Prep: Not Specified  
 Extraction Method:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Fixed Gases by GC - Mansfield Lab						
Helium	ND		%	0.014	--	1.363

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1304690**Project Number:** 5197-01-03-3002**Report Date:** 03/27/13**SAMPLE RESULTS**

Lab ID: L1304690-05 D  
 Client ID: SV-6  
 Sample Location: 1471 WEST FARAS RD, BRONX NY  
 Matrix: Soil\_Vapor  
 Analytical Method: 51,3C  
 Analytical Date: 03/25/13 16:50  
 Analyst: MM

Date Collected: 03/20/13 11:59  
 Date Received: 03/20/13  
 Field Prep: Not Specified  
 Extraction Method:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Fixed Gases by GC - Mansfield Lab						
Helium	ND		%	0.013	--	1.29

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1304690**Project Number:** 5197-01-03-3002**Report Date:** 03/27/13**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 51,3C

Analytical Date: 03/25/13 14:00

Analyst: MM

<b>Parameter</b>	<b>Result</b>	<b>Qualifier</b>	<b>Units</b>	<b>RL</b>	<b>MDL</b>
Fixed Gases by GC - Mansfield Lab for sample(s): 01-05 Batch: WG597319-2					
Helium	ND		%	0.010	--

## Lab Control Sample Analysis

Batch Quality Control

**Project Name:** COMPASS RESIDENCES

**Lab Number:** L1304690

**Project Number:** 5197-01-03-3002

**Report Date:** 03/27/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Fixed Gases by GC - Mansfield Lab Associated sample(s): 01-05 Batch: WG597319-1								
Helium	101		-		80-120	-		

## Lab Duplicate Analysis

Batch Quality Control

Project Name: COMPASS RESIDENCES

Project Number: 5197-01-03-3002

Lab Number: L1304690

Report Date: 03/27/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Fixed Gases by GC - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG597319-3 QC Sample: L1304690-01 Client ID: SV-2						
Helium	ND	ND	%	NC		5
Fixed Gases by GC - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG597319-4 QC Sample: L1304690-02 Client ID: SV-3						
Helium	ND	ND	%	NC		5
Fixed Gases by GC - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG597319-5 QC Sample: L1304690-03 Client ID: SV-4						
Helium	ND	ND	%	NC		5
Fixed Gases by GC - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG597319-6 QC Sample: L1304690-04 Client ID: SV-5						
Helium	ND	ND	%	NC		5
Fixed Gases by GC - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG597319-7 QC Sample: L1304690-05 Client ID: SV-6						
Helium	ND	ND	%	NC		5

Project Name: COMPASS RESIDENCES

Serial\_No:03271309:09  
Lab Number: L1304690

Project Number: 5197-01-03-3002

Report Date: 03/27/13

### Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controller Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L1304690-01	SV-2	0304	#90 SV	02/01/13	85324		-	-	-	-	37	43	15
L1304690-01	SV-2	748	6.0L Can	02/01/13	85324	L1301605-03	Pass	-29.0	-2.5	-	-	-	-
L1304690-02	SV-3	0321	#90 SV	02/01/13	85324		-	-	-	-	37	43	15
L1304690-02	SV-3	1534	6.0L Can	02/01/13	85324	L1301605-03	Pass	-29.3	-1.6	-	-	-	-
L1304690-03	SV-4	0267	#90 SV	02/01/13	85324		-	-	-	-	37	52	34
L1304690-03	SV-4	971	6.0L Can	02/01/13	85324	L1301605-03	Pass	-29.0	1.8	-	-	-	-
L1304690-04	SV-5	0333	#90 SV	02/01/13	85324		-	-	-	-	35	49	33
L1304690-04	SV-5	1545	6.0L Can	02/01/13	85324	L1301605-03	Pass	-29.0	1.2	-	-	-	-
L1304690-05	SV-6	0309	#30 SV	02/01/13	85324		-	-	-	-	35	54	43
L1304690-05	SV-6	1624	6.0L Can	02/01/13	85324	L1301605-03	Pass	-29.0	2.3	-	-	-	-
L1304690-06	CAN 1640	0501	#90 SV	02/01/13	85324		-	-	-	-	40	52	26
L1304690-06	CAN 1640	1640	6.0L Can	02/01/13	85324	L1301605-03	Pass	-29.0	0.0	-	-	-	-

**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L1301605  
**Report Date:** 03/27/13

### Air Canister Certification Results

Lab ID: L1301605-03  
 Client ID: CAN 1631 SHELF 56  
 Sample Location:  
 Matrix: Air  
 Analytical Method: 48,TO-15  
 Analytical Date: 01/28/13 20:07  
 Analyst: MB

Date Collected: 01/25/13 15:14  
 Date Received: 01/26/13  
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.200	--	ND	0.361	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	2.50	--	ND	4.71	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.200	--	ND	0.434	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1

**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L1301605  
**Report Date:** 03/27/13

### Air Canister Certification Results

Lab ID: L1301605-03  
 Client ID: CAN 1631 SHELF 56  
 Sample Location:

Date Collected: 01/25/13 15:14  
 Date Received: 01/26/13  
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Methylene chloride	ND	1.00	--	ND	3.47	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	0.200	--	ND	0.704	--		1
2-Butanone	ND	0.200	--	ND	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.200	--	ND	0.590	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1



**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L1301605  
**Report Date:** 03/27/13

### Air Canister Certification Results

Lab ID: L1301605-03  
 Client ID: CAN 1631 SHELF 56  
 Sample Location:

Date Collected: 01/25/13 15:14  
 Date Received: 01/26/13  
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.200	--	ND	0.820	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1



**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L1301605  
**Report Date:** 03/27/13

### Air Canister Certification Results

Lab ID: L1301605-03  
 Client ID: CAN 1631 SHELF 56  
 Sample Location:

Date Collected: 01/25/13 15:14  
 Date Received: 01/26/13  
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds				

No Tentatively Identified Compounds



**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L1301605  
**Report Date:** 03/27/13

### Air Canister Certification Results

Lab ID: L1301605-03 Date Collected: 01/25/13 15:14  
 Client ID: CAN 1631 SHELF 56 Date Received: 01/26/13  
 Sample Location: Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	81		60-140
Bromochloromethane	84		60-140
chlorobenzene-d5	85		60-140

**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L1301605  
**Report Date:** 03/27/13

### Air Canister Certification Results

Lab ID: L1301605-03  
 Client ID: CAN 1631 SHELF 56  
 Sample Location:  
 Matrix: Air  
 Analytical Method: 48,TO-15-SIM  
 Analytical Date: 01/29/13 18:26  
 Analyst: MB

Date Collected: 01/25/13 15:14  
 Date Received: 01/26/13  
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.050	--	ND	0.247	--		1
Chloromethane	ND	0.500	--	ND	1.03	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.020	--	ND	0.053	--		1
Acetone	ND	2.00	--	ND	4.75	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
Halothane	ND	0.050	--	ND	0.404	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.020	--	ND	0.072	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1



**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L1301605  
**Report Date:** 03/27/13

### Air Canister Certification Results

Lab ID: L1301605-03 Date Collected: 01/25/13 15:14  
 Client ID: CAN 1631 SHELF 56 Date Received: 01/26/13  
 Sample Location: Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.020	--	ND	0.092	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.500	--	ND	2.46	--		1
1,3,5-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.500	--	ND	2.74	--		1
p-Isopropyltoluene	ND	0.500	--	ND	2.74	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.500	--	ND	2.74	--		1



**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L1301605  
**Report Date:** 03/27/13

### Air Canister Certification Results

Lab ID: L1301605-03 Date Collected: 01/25/13 15:14  
 Client ID: CAN 1631 SHELF 56 Date Received: 01/26/13  
 Sample Location: Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	92		60-140
bromochloromethane	94		60-140
chlorobenzene-d5	92		60-140

**Project Name:** COMPASS RESIDENCES**Lab Number:** L1304690**Project Number:** 5197-01-03-3002**Report Date:** 03/27/13**Sample Receipt and Container Information**

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

**Cooler Information Custody Seal****Cooler**

N/A Absent

**Container Information**

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1304690-01A	Canister - 6 Liter	N/A	N/A		Y	Absent	FIXGAS(30),TO15-LL(30)
L1304690-02A	Canister - 6 Liter	N/A	N/A		Y	Absent	FIXGAS(30),TO15-LL(30)
L1304690-03A	Canister - 6 Liter	N/A	N/A		Y	Absent	FIXGAS(30),TO15-LL(30)
L1304690-04A	Canister - 6 Liter	N/A	N/A		Y	Absent	FIXGAS(30),TO15-LL(30)
L1304690-05A	Canister - 6 Liter	N/A	N/A		Y	Absent	FIXGAS(30),TO15-LL(30)
L1304690-06A	Canister - 6 Liter	N/A	N/A		Y	Absent	CLEAN-FEE()

\*Values in parentheses indicate holding time in days

**Project Name:** COMPASS RESIDENCES  
**Project Number:** 5197-01-03-3002

**Lab Number:** L1304690  
**Report Date:** 03/27/13

## GLOSSARY

### Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

### Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

### Terms

**Analytical Method:** Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

### Data Qualifiers

- A** - Spectra identified as "Aldol Condensation Product".
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported

**Report Format:** Data Usability Report



**Project Name:** COMPASS RESIDENCES  
**Project Number:** 5197-01-03-3002

**Lab Number:** L1304690  
**Report Date:** 03/27/13

**Data Qualifiers**

due to obvious interference.

- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- J** - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the reporting limit (RL) for the sample.

**Project Name:** COMPASS RESIDENCES  
**Project Number:** 5197-01-03-3002

**Lab Number:** L1304690  
**Report Date:** 03/27/13

## REFERENCES

- 48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.
- 51 Determination of Carbon Dioxide, Methane, Nitrogen and Oxygen from Stationary Sources. Method 3C. Appendix A, Part 60, 40 CFR (Code of Federal Regulations). June 20, 1996.

## LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



## Certificate/Approval Program Summary

Last revised August 3, 2012 – Mansfield Facility

The following list includes only those analytes/methods for which certification/approval is currently held. For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

### **Connecticut Department of Public Health Certificate/Lab ID: PH-0141.**

*Wastewater/Non-Potable Water* (Inorganic Parameters: pH, Turbidity, Conductivity, Alkalinity, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Suspended Solids (non-filterable). Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables, Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, PAHs, Haloethers, Chlorinated Hydrocarbons, Volatile Organics.)

*Solid Waste/Soil* (Inorganic Parameters: pH, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Titanium, Vanadium, Zinc, Total Organic Carbon, Corrosivity, TCLP 1311, SPLP 1312. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Volatile Organics, Acid Extractables, Benzidines, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

### **Florida Department of Health Certificate/Lab ID: E87814. *NELAP Accredited.***

*Non-Potable Water* (Inorganic Parameters: SM2320B, SM2540D, SM2540G.)

*Solid & Chemical Materials* (Inorganic Parameters: 6020, 7470, 7471, 9045. Organic Parameters: EPA 8260, 8270, 8082, 8081.)

*Air & Emissions* (EPA TO-15.)

### **Louisiana Department of Environmental Quality Certificate/Lab ID: 03090. *NELAP Accredited.***

*Non-Potable Water* (Inorganic Parameters: EPA 180.1, 245.7, 1631E, 3020A, 6020A, 7470A, 9040, 9050A, SM2320B, 2540D, 2540G, 4500H-B, Organic Parameters: EPA 3510C, 3580A, 3630C, 3640A, 3660B, 3665A, 5030B, 8015D, 3570, 8081B, 8082A, 8260B, 8270C, 8270D.)

*Solid & Chemical Materials* (Inorganic Parameters: EPA 1311, 3050B, 3051A, 3060A, 6020A, 7196A, 7470A, 7471B, 7474, 9040B, 9045C, 9060. Organic Parameters: EPA 3540C, 3570, 3580A, 3630C, 3640A, 3660, 3665A, 5035, 8015D, 8081B, 8082A, 8260B, 8270C, 8270D.)

*Biological Tissue* (Inorganic Parameters: EPA 6020A. Organic Parameters: EPA 3570, 3510C, 3610B, 3630C, 3640A, 8270C, 8270D.)

*Air & Emissions* (EPA TO-15.)

### **New Hampshire Department of Environmental Services Certificate/Lab ID: 2206. *NELAP Accredited.***

*Non-Potable Water* (Inorganic Parameters: EPA 180.1, 1631E, 6020A, 7470A, 9040B, 9050A, SM2540D, 2540G, 4500H+B, 2320B, 3020A, . Organic Parameters: EPA 3510C, 3630C, 3640A, 3660B, 8081B, 8082A, 8270C, 8270D, 8015D.)

*Solid & Chemical Materials* (Inorganic Parameters: SW-846 1311, 3050B, 3051A, 6020A, 7471B, 9040B, 9045C. Organic Parameters: SW-846 3540C, 3580A, 3630C, 3640A, 3660B, 3665A, 8270C, 8015D, 8082A, 8081B.)

### **New Jersey Department of Environmental Protection Certificate/Lab ID: MA015. *NELAP Accredited.***

*Non-Potable Water* (Inorganic Parameters: SW-846 1312, 3020A, SM2320B, SM2540D, 2540G, 4500H-B, EPA 180.1, 1631E, SW-846 7470A, 9040C, 6020A, 9050A. Organic Parameters: SW-846 3510C, 3580A, 3630C, 3640A, 3660B, 3665A, 8015D, 8081B, 8082A, 8270C, 8270D)

*Solid & Chemical Materials* (Inorganic Parameters: SW-846 1311, 1312, 3050B, 3051A, 6020A, 7471B, 7474, 9040B, 9040C, 9045C, 9045D, 9060. Organic Parameters: SW-846 3540C, 3570, 3580A, 3630C, 3640A, 3660B, 3665A, 8081B, 8082A, 8270C, 8270D, 8015D.)

*Atmospheric Organic Parameters* (EPA 3C, TO-15, TO-10A, TO-13A-SIM.)

*Biological Tissue* (Inorganic Parameters: SW-846 6020A. Organic Parameters: SW-846 8270C, 8270D, 3510C, 3570, 3610C, 3630C, 3640A)

**New York Department of Health** Certificate/Lab ID: 11627. **NELAP Accredited.**

*Non-Potable Water* (Inorganic Parameters: SM2320B, SM2540D, 6020A, 1631E, 7470A, 9050A, EPA 180.1, 3020A. Organic Parameters: EPA 8270C, 8270D, 8081B, 8082A, 3510C.)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 6020A, 7471B, 7474, 9040C, 9045D. Organic Parameters: EPA 8270C, 8270D, 8081B, 8082A, 1311, 3050B, 3580A, 3570, 3051A.)

*Air & Emissions* (EPA TO-15, TO-10A.)

**Pennsylvania** Certificate/Lab ID: 68-02089 **NELAP Accredited**

*Non-Potable Water* (Inorganic Parameters: 1312, 1631E, 180.1, 3020A, 6020A, 7470A, 9040B, 9050A, 2320B, 2540D, 2540G, SM4500H+-B. Organic Parameters: 3510C, 3580A, 3630C, 3640A, 3660B, 3665A, 8015D, 8081B, 8082A, 8270C, 8270D .)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 1311, 3051A, 6020A, 7471B, 7474 9040B, 9045C, 9060. Organic Parameters: EPA3050B, 3540C, 3570, 3580A, 3630C, 3640A, 3660B, 3665A, 8270C, 8270D, 8081B, 8015D, 8082A.)

**Rhode Island Department of Health** Certificate/Lab ID: LAO00299. **NELAP Accredited via NJ-DEP.**

Refer to NJ-DEP Certificate for Non-Potable Water.

**Texas Commission of Environmental Quality** Certificate/Lab ID: T104704419-08-TX. **NELAP Accredited.**

*Solid & Chemical Materials* (Inorganic Parameters: EPA 6020, 7470, 7471, 1311, 9040, 9045, 9060. Organic Parameters: EPA 8015, 8270, 8081, 8082.)

*Air* (Organic Parameters: EPA TO-15)

**Virginia Division of Consolidated Laboratory Services** Certificate/Lab ID:460194. **NELAP Accredited.**

*Non-Potable Water* (Inorganic Parameters:EPA 3020A, 6020A, 245.7, 9040B. Organic Parameters: EPA 3510C, 3640A, 3660B, 3665A, 8270C, 8270D, 8082A, 8081B, 8015D.)

*Solid & Chemical Materials* (Inorganic Parameters: EPA 6020A,7470A,7471B,9040B,9045C,3050B,3051, 9060. Organic Parameters: EPA 3540C, 3580A, 3630C, 3640A, 3660B, 3665A, 3570, 8270C, 8270D, 8081B, 8082A, 8015D.)

**Washington State Department of Ecology** Certificate/Lab ID: C954. *Non-Potable Water* (Inorganic Parameters: SM2540D, 180.1, 1631E.)

*Solid & Chemical Materials* (Inorganic Parameters: EPA 6020, 7470, 7471, 7474, 9045C, 9050A, 9060. Organic Parameters: EPA 8081, 8082, 8015, 8270.)

**U.S. Army Corps of Engineers**

**Department of Defense, L-A-B** Certificate/Lab ID: L2217.01.

*Non-Potable Water* (Inorganic Parameters: EPA 6020A, SM4500H-B. Organic Parameters: 3020A, 3510C, 8270C, 8270D, 8270C-ALK-PAH, 8270D-ALK-PAH, 8082A, 8081B, 8015D-SHC, 8015D.)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 1311, 3050B, 6020A, 7471A, 9045C, 9060, SM 2540G, ASTM D422-63. Organic Parameters: EPA 3580A, 3570, 3540C, 8270C, 8270D, 8270C-ALK-PAH, 8270D-ALK-PAH 8082A, 8081B, 8015D-SHC, 8015D.

*Air & Emissions* (EPA TO-15.)

**Analytes Not Accredited by NELAP**

Certification is not available by NELAP for the following analytes: **8270C**: Biphenyl. **TO-15**: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 2-Methylnaphthalene, 1-Methylnaphthalene.



# AIR ANALYSIS CHAIN OF CUSTODY

PAGE 1 OF 1

320 Forbes Blvd, Mansfield, MA 02048  
 TEL: 508-822-9300 FAX: 508-822-3288

**Client Information**

Client: IMPACT ENVIRONMENTAL

Address: 170 KEYLAND COURT

ROSENIA, NY 11716

Phone: 631-334-2354

Fax: -

Email: bhernandez@impactenvironmental.com

These samples have been previously analyzed by Alpha

**Project Information**

Project Name: COMPASS RESIDENCES

Project Location: 1471 WESTFARM RD, BROU, NY

Project #: 5197-01-03-3002

Project Manager: B. HERNANDEZ

ALPHA Quote #:

**Turn-Around Time**

Standard  RUSH (only confirmed if pre-approved)

Date Due: \_\_\_\_\_ Time: \_\_\_\_\_

Date Rec'd in Lab: \_\_\_\_\_

**Report Information - Data Deliverables**

FAX  
 ADEX  
 Criteria Checker: \_\_\_\_\_  
 (Default based on Regulatory Criteria Indicated)  
 Other Formats: \_\_\_\_\_  
 EMAIL (standard pdf report)  
 Additional Deliverables: \_\_\_\_\_  
 Report to: (if different than Project Manager)  
 \_\_\_\_\_

ALPHA Job #: L1304690

**Billing Information**

Same as Client info PO #: \_\_\_\_\_

**Regulatory Requirements/Report Limits**

State/Fed	Program	Criteria

Other Project Specific Requirements/Comments:

**All Columns Below Must Be Filled Out**

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection				Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller	ANALYSIS						Sample Comments (i.e. PID)
		Date	Start Time	End Time	TO-14A by TO-15								TO-15	TO-15 SIM	APH	FIXED GASES	TO-13A	TO-4/TO-10	
04690 01	SV-2	3/20/13	9:03AM	11:16AM	-29.90 <sup>in flr</sup>	-3.82 <sup>in flr</sup>	SV	BH	6L	748	0304	X						* ALL SAMPLES TO BE ANALYZED FOR HELIUM GAS USED AS TRACER DURING SAMPLE COLLECTION.	
02	SV-3	3/20/13	9:29AM	11:39AM	-26.71 <sup>in flr</sup>	-3.07 <sup>in flr</sup>	SV	BH		1534	0321	X							
03	SV-4	3/19/13	3:41PM	5:45PM	-29.70 <sup>in flr</sup>	-2.53 <sup>in flr</sup>	SV	BH		971	0267	X							
04	SV-5	3/20/13	10:11AM	12:11PM	-29.75 <sup>in flr</sup>	-1.05 <sup>in flr</sup>	SV	BH		1545	0333	X							
05	SV-6	3/20/13	9:59AM	11:59AM	-29.68 <sup>in flr</sup>	-2.98 <sup>in flr</sup>	SV	BH		1624	0309	X							
END OF RECORD																			

**\*SAMPLE MATRIX CODES**

AA = Ambient Air (Indoor/Outdoor)  
 SV = Soil Vapor/Landfill Gas/SVE  
 Other = Please Specify

Container Type

Relinquished By:	Date/Time	Received By:	Date/Time:
<u>[Signature]</u>	<u>3/20/13 19:00</u>	<u>[Signature]</u>	<u>3/20/13 1900</u>
<u>[Signature]</u>	<u>3/20/13</u>	<u>[Signature]</u>	<u>3/20/13</u>
<u>[Signature]</u>	<u>3/21/13</u>	<u>[Signature]</u>	<u>3/20/13 730</u>

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

REC REC 3/20/13 855