

312 WEST 37TH STREET
NEW YORK, NEW YORK

Remedial Investigation Report

NYC BCP Site Number: 12CBCP028M

E-Designation Site Number: 12EH-N057M (E-137)

Prepared for:

West 37th Street Partners LLC
c/o Albanese Development
1050 Franklin Avenue
Garden City, New York 11530

Prepared by:

Arnold F. Fleming, P.E.
Fleming-Lee Shue, Inc.
158 West 29th Street, 9th Floor
New York, New York 10001
<http://www.flemingleeshue.com>

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REMEDIAL INVESTIGATION REPORT

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LIST OF ACRONYMS

Acronym	Definition
AOC	Area of Concern
CAMP	Community Air Monitoring Plan
COC	Contaminant of Concern
CPP	Citizen Participation Plan
CSM	Conceptual Site Model
DER-10	New York State Department of Environmental Conservation Technical Guide 10
FID	Flame Ionization Detector
GPS	Global Positioning System
HASP	Health and Safety Plan
HAZWOPER	Hazardous Waste Operations and Emergency Response
IRM	Interim Remedial Measure
NAPL	Non-aqueous Phase Liquid
NYC BCP	New York City Brownfield Cleanup Program
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, Arnold Fleming, P.E., 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 312 West 37th Street Site, (NYC BCP Site No. 12CBCP028M). 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.

Qualified Environmental Professional

Date

Signature

EXECUTIVE SUMMARY

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

Site Location and Current Usage

The Site is located at 312 West 37th Street in midtown Manhattan, New York and is identified as Tax Block 760 Lot 51 on the New York City Tax Map. Figure 1 shows the Site location. The Site is 10,000-square feet and is bounded by West 37th Street to the north, and multi-story commercial office buildings with ground-level retail to the east, west, and south, and is between 8th and 9th Avenues. A map of the site boundary is shown in Figure 2. The Site is a former parking lot that is currently vacant.

Summary of Proposed Redevelopment Plan

The proposed future use of the Site will consist of a 21-story hotel building with a basement, which will cover 4/5 (8,000 sf) of the lot. A 2,000-sf courtyard will remain in the rear portion of the lot. Layout of the proposed site development is presented in Figure 2. The current zoning designation is C6-4M, a central high-density commercial district. The proposed use is consistent with existing zoning for the property. The first floor will contain the hotel lobby, and the basement will contain a gym and meeting rooms for guests, and a break room and offices for the hotel staff. The foundation excavation will extend to 16 feet below grade across the building footprint, with one central spot extending to 19 feet below grade associated with an elevator pit. Excavation is not anticipated to extend below the water table at 20 feet below grade.

Summary of Past Uses of Site and Areas of Concern

The Site was improved with several tenement style buildings from at least 1890 until approximately 1930, with a Chinese laundry operation depicted circa 1911. A two-story building in the rear of the property was originally depicted as commercial, but by 1930 was depicted as an apartment building. By the early 1940s, the Site became an auto parking lot with a filling station in the northwest corner of the lot. The filling station contained two gasoline

underground storage tanks (USTs) and a small 1-story structure, and reportedly ceased operations in the late 1950s. The subject property has remained a commercial auto parking lot through the present.

The AOCs identified for this site include:

1. Two suspect 550-gallon USTs in the northwest corner of the Site, with associated fill lines extending to the sidewalk, where two fill ports were visible.
2. Historic Fill.

Summary of the Work Performed under the Remedial Investigation

West 37th Street Partners 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 eight soil borings across the entire project Site, and collected 16 soil samples for chemical analysis from the soil borings to evaluate soil quality;
3. Installed four temporary groundwater monitoring points throughout the Site and collected four groundwater samples for chemical analysis to evaluate groundwater quality;
4. Installed five soil vapor probes around Site perimeter and collected five soil vapor samples for chemical analysis, plus one ambient air sample.

Summary of Environmental Findings

1. Elevation of the property is approximately 38 feet above mean sea level.
2. Depth to groundwater is approximately 20 feet at the Site.
3. Groundwater flow is generally from east to west beneath the Site.
4. Depth to bedrock is approximately 35 feet at the Site.
5. Soil stratigraphy encountered at the site included a surficial fill layer consisting of topsoil, sand, brick fragments, and concrete fragments ranging in thickness from 5 to 11 feet across the site. This fill layer is underlain by a clay confining layer ranging in

thickness from 2 to 4 feet, beneath which is fine-medium sand with some coarse sand and gravel that extends to 20 feet below grade.

6. Soil/fill samples collected during the RI showed no volatile organic compounds (VOCs) exceeding NYSDEC Part 375 Unrestricted Use (Track 1) Soil Cleanup Objectives (UUSCOs). Several VOCs in some samples, including PCE and TCE, were identified but at extremely low levels (typically below 4 ug/kg). Five semi-volatile organic compounds (SVOCs) in three shallow soil samples and in one deep sample exceed UUSCOs. Of these, only one SVOC exceeded Track 2 Restricted CommercialSCOs (RCSCOs) in three samples. The SVOCs identified are polycyclic aromatic hydrocarbon compounds (PAH) and are observed at relatively low concentrations. Several metals including lead, mercury, barium, zinc and copper exceed UUSCOs in shallow soil and one deep soil sample. Of these, only barium (3 samples) and lead (3 samples) exceeded Track 2 RCSCOs. Overall, the occurrence of PAHs and metals is consistent with findings during the collection of soil samples and suggests that historical fill is responsible for the observed low to moderate levels of contamination. One PCB exceeds UUSCOs in two shallow samples, and two pesticides exceed UUSCOs in one shallow and one deep sample. No PCBs or pesticides exceed Track 2 RCSCOs in any sample onsite. No contaminant source areas were identified during this remedial investigation.
7. Groundwater samples collected during the RI showed no SVOCs or pesticides exceeding New York State 6NYCRR Part 703.5 Class GA groundwater quality standards (GQS). One pesticide exceeded GQS in three samples. One VOC (cis 1,2-dichloroethene) marginally exceeding GQS in one groundwater sample. PCE and TCE were identified in groundwater samples at low concentrations below GQS. Several metals exceeded GWS in dissolved samples, including magnesium (one sample), manganese (4 samples), sodium (4 samples), and selenium (2 samples). Metals findings indicate that there is likely minor to moderate saline intrusion in local groundwater but no metals contamination source onsite. While some VOCs were identified at low levels in groundwater, none of these compounds were identified in onsite soils above corresponding groundwater protection standards in 6NYCRR Part 375-6.8.

8. Soil vapor samples collected during the RI showed numerous VOCs detected at generally low to moderate concentrations, including three compounds listed in the NYSDOH Final Guidance on Soil Vapor Intrusion (October 2006) Decision Matrices. These include TCE and PCE which were identified in all soil vapor samples and range from 7-12 ug/m³ and 46-176 ug/m³, respectively.

REMEDIAL INVESTIGATION REPORT

1.0 SITE BACKGROUND

West 37th Street Partners, LLC has enrolled in the New York City Brownfield Cleanup Program (NYC BCP) to investigate and remediate a 0.23-acre site located at 312 West 37th Street in midtown Manhattan, New York. Commercial use is proposed for the property. The RI work was performed between September 19 and 20, 2011. This RIR summarizes the nature and extent of contamination and provides sufficient information for establishment of remedial action objectives, evaluation of remedial action alternatives, and selection of a remedy that is protective of human health and the environment consistent with the use of the property pursuant to RCNY§ 43-1407(f).

1.1 SITE LOCATION AND CURRENT USAGE

The Site is located at 312 West 37th Street in midtown Manhattan, New York and is identified as Tax Block 760 Lot 51 on the New York City Tax Map. Figure 1 shows the Site location. The Site is 10,000-square feet and is bounded by West 37th Street to the north, and multi-story commercial office buildings with ground-level retail to the east, west, and south, and is between 8th and 9th Avenues. A map of the site boundary is shown in Figure 2. The Site is a former parking lot that is currently vacant.

1.2 Proposed Redevelopment Plan

The proposed future use of the Site will consist of a 21-story hotel building with a basement, which will cover 4/5 (8,000 sf) of the lot. A 2,000-sf courtyard will remain in the rear portion of the lot. Layout of the proposed building footprint is presented in Figure 2. The current zoning designation is C6-4M, a central high-density commercial district. The proposed use is consistent with existing zoning for the property.

The first floor will contain the hotel lobby, and the basement will contain a gym and meeting rooms for guests, and a break room and offices for the hotel staff. The foundation excavation

will extend to 16 feet below grade across the building footprint, with one central spot extending to 19 feet below grade associated with an elevator pit. Excavation is not anticipated to extend below the water table at 20 feet below grade.

1.3 DESCRIPTION OF SURROUNDING PROPERTY

Adjacent properties are occupied by multi-story commercial office buildings with some ground-level retail to the north, east, west, and south. The neighboring building to the east contains a drop-off facility for a dry cleaner, but no dry cleaning operations are done on-site.

Figure 2 shows the surrounding land usage.

2.0 SITE HISTORY

2.1 PAST USES AND OWNERSHIP

The Site was improved with several tenement style buildings from at least 1890 until approximately 1930, with a Chinese laundry operation depicted circa 1911. A two-story building in the rear of the property was originally depicted as commercial, but by 1930 was depicted as an apartment building. By the early 1940s, the Site became an auto parking lot with a filling station in the northwest corner of the lot. The filling station contained two gasoline underground storage tanks (USTs) and a small 1-story structure, and reportedly ceased operations in the late 1950s. The subject property has remained a commercial auto parking lot through the present.

2.2 PREVIOUS INVESTIGATIONS

No previous environmental field investigations have been conducted on the Site to date.

2.3 SITE INSPECTION

FLS inspected the Site during the Phase I ESA. The Site was a commercial parking lot during the initial inspection, but is currently vacant. No structures were present on the Site other than a small semi-permanent shack in the northwest corner occupied by the parking lot attendant, and several hydraulic lifts on the west side of the lot, which are no longer present. NAEVA Geophysics conducted a geophysical survey coincident with FLS' Site inspection. NAEVA identified two suspect 550-gallon USTs in the northwest corner of the Site, with the associated fill lines extending to the sidewalk, where two former fill ports were visible (see Geophysical report in Appendix C)

2.4 AREAS OF CONCERN

The AOCs identified for this site include:

1. Two suspect 550-gallon USTs in the northwest corner of the Site, with associated fill lines extending to the sidewalk, where two fill ports were visible.

2. Historic fill

Phase 1 Report is presented in Appendix G. A map showing the suspected USTs is presented as Figure 2.

3.0 PROJECT MANAGEMENT

3.1 PROJECT ORGANIZATION

The Qualified Environmental Profession (QEP) responsible for preparation of this RIR is Jesse Mausner, P.G. The remediation engineer for the project is Arnold F. Fleming, P.E.

3.2 HEALTH AND SAFETY

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

3.3 MATERIALS MANAGEMENT

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

4.0 REMEDIAL INVESTIGATION ACTIVITIES

West 37th Street Partners 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 eight soil borings across the entire project Site, and collected 16 soil samples for chemical analysis from the soil borings to evaluate soil quality;
3. Installed four temporary groundwater monitoring wells throughout the Site and collected four groundwater samples for chemical analysis to evaluate groundwater quality;
4. Installed five soil vapor probes around Site perimeter and collected five soil vapor samples for chemical analysis, plus one ambient air sample.

4.1 GEOPHYSICAL INVESTIGATION

FLS contracted NAEVA Geophysics to conduct a geophysical survey of the Site in order to delineate any USTs or other anomalies in the subsurface. NAEVA conducted their survey coincident with FLS' Phase I Site inspection on March 29, 2011, using ground-penetrating radar (GPR) and an electromagnetic metal detector. NAEVA identified two suspect 550-gallon USTs in the northwest corner of the Site, with the associated fill lines extending to the sidewalk, where two former fill ports were visible. The geophysical survey report is included in Appendix C.

4.2 BORINGS AND MONITORING WELLS

Drilling and Soil Logging

Eight soil borings were advanced using a Geoprobe[®] at the locations indicated on the boring location plan (figure 2). Four of the borings were located on all four sides of the suspected USTs, and four more locations were completed for adequate site coverage. All borings were advanced to a minimum depth of 18 feet (two feet below the proposed excavation depth of 16 feet), and one boring (SB-7) was advanced to a depth of 20 feet in the area of a proposed elevator pit. All soils were field-screened with a photoionization detector (PID) during sampling.

Boring logs were prepared by a geologist and are attached in Appendix A. A map showing the location of soil borings/temporary well points and soil vapor probes is shown in Figure 2.

Groundwater Monitoring Well Construction

Four of the borings (SB-2, 4, 5, 6) were extended to approximately 30 feet below grade in an effort to obtain groundwater samples via installation of 1"-diameter temporary well points. Groundwater was encountered at approximately 20 feet below grade at the site. The well points were screened from 20 to 30 feet below grade. Groundwater was pumped from each temporary well point via a peristaltic pump until clear in appearance or until three well volumes had been purged prior to sampling.

Temporary well point locations are shown on Figure 2.

Water Level Measurement

Groundwater was noted to be present at approximately 20 feet below grade across the site, as indicated by observed saturation of soils beneath 20 feet, and by gauging of the temporary well points.

4.3 SAMPLE COLLECTION AND CHEMICAL ANALYSIS

Sampling performed as part of the field investigation was conducted for all Areas of Concern and also considered other means for bias of sampling based on professional judgment, area history, discolored soil, stressed vegetation, drainage patterns, field instrument measurements, odor, or other field indicators. All media including soil, groundwater and soil vapor have been sampled and evaluated in the RIR. 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

Sixteen (16) soil samples were collected for chemical analysis during this RI. One soil sample was collected from the top 2 available feet of soil from each boring, and one sample was collected from approximately 16-18 feet in each boring. Data on soil sample collection for

chemical analyses, including dates of collection and sample depths, is reported in Tables 1-5. Figure 2 shows the location of samples collected in this investigation. Laboratories and analytical methods are shown below. To avoid contamination and cross-contamination of samples, dedicated field sampling equipment was used to collect each sample. This included disposable acetate sleeves used to collect 5'-long macro-core samples from the Geoprobe, and disposable gloves.

Soil samples were containerized in laboratory-prepared jars, labeled, sealed, and placed in a chilled cooler for shipment to the laboratory. Chain of Custody procedures outlined in the RIWP were followed. Soil samples were analyzed by an ELAP-certified laboratory approved by the NYSDOH for TCL VOCs, TCL SVOCs, TAL Metals, Pesticides, and PCBs. One duplicate soil sample was also collected and analyzed for all parameters.

Groundwater Sampling

Four groundwater samples were collected for chemical analysis during this RI. Groundwater was pumped from each temporary well via a peristaltic pump using dedicated tubing until clear in appearance or until three well volumes had been purged prior to sampling. Figure 2 shows the locations of groundwater sampling. Laboratories and analytical methods are shown below. One duplicate groundwater sample was collected, as well as a field blank and trip blank.

Groundwater samples were containerized in laboratory-prepared pre-preserved bottles, labeled, sealed, and placed in a chilled cooler for shipment to the laboratory. Groundwater samples were analyzed by an ELAP-certified laboratory approved by the NYSDOH for TCL VOCs, TCL SVOCs, TAL Metals (total and dissolved), Pesticides, and PCBs.

Soil Vapor Sampling

Five soil vapor probes were installed and five soil vapor samples were collected for chemical analysis during this RI. Soil vapor sampling locations are shown in Figure 2. Soil vapor sample collection data is reported on the laboratory chain of custody, which is included in Appendix F. Methodologies used for soil vapor assessment conform to the *NYS DOH Final Guidance on Soil Vapor Intrusion, October 2006*.

Using a geoprobe, the soil gas probe was pushed to the desired depths. Once the soil gas sampling probe was driven to the desired depth, the outer protective casing was retracted to

obtain the soil vapors sample through tubing attached to the sampling probe. Four of the probes were installed to 17 feet below grade, and one probe in the rear yard area (SV-5) was installed at 6 feet below grade. Soil vapor probes used polyethylene tubing and were sealed at the surface with a bentonite. Ambient air was purged from the boring hole by attaching the surface end of the ¼ polyethylene tube to a PID. The PID removed one to three volumes of air (volume of the sample probe and tube) prior to sample collection. During purging, a plastic shroud was placed over the sampling point and helium gas was introduced through a small opening in the shroud to saturate the atmosphere around the sample port with helium gas. Purged vapors were collected into a Tedlar bag and field-screened for organic vapors using a PID. The purged air was also monitored using a portable helium detector to check for short-circuiting of ambient air into the vapor sampling point. No helium was detected in the purged air in any samples.

The 6-liter SUMMA canister was directly attached to the tubing, sealed with teflon tape, and the valve was opened to collect the sample. Soil vapor samples were collected for a 2-hour period using 6-liter SUMMA canisters equipped with flow controllers calibrated at an appropriate flowrate of approximately 0.05 liters/minute. Immediately after opening the flow control valves equipped with 2-hour regulators, the initial SUMMA canister vacuum (inches of mercury) was noted. After 2 hours, the flow controller valve was closed, and the final vacuum noted. The canister and flow controller ID were noted for each sample.

One ambient (outdoor) air sample (AA-1) was also collected in the center of the site. The weather was warm (70°F) and overcast at the time of sampling, and no odors or pavement stains were noted around the sampling location.

The samples were analyzed by a NYSDOH-certified lab for VOCs using EPA Method TO-15.

Chemical Analysis

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

Factor	Description
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Quality Assurance Officer	The chemical analytical quality assurance is directed by Mindy Horowitz of FLS
Chemical Analytical Laboratory	Chemical analytical laboratory used in the RI is NYS ELAP certified and is Accutest Laboratories of Dayton, NJ
Chemical Analytical Methods	<p>Soil analytical methods:</p> <ul style="list-style-type: none"> • TAL Metals by EPA Method 6010C (rev. 2007); • VOCs by EPA Method 8260C (rev. 2006); • SVOCs by EPA Method 8270D (rev. 2007); • Pesticides by EPA Method 8081B (rev. 2000); • PCBs by EPA Method 8082A (rev. 2000); <p>Groundwater analytical methods:</p> <ul style="list-style-type: none"> • TAL Metals by EPA Method 6010C (rev. 2007); • VOCs by EPA Method 8260C (rev. 2006); • SVOCs by EPA Method 8270D (rev. 2007); • Pesticides by EPA Method 8081B (rev. 2000); • PCBs by EPA Method 8082A (rev. 2000); <p>Soil vapor analytical methods:</p> <ul style="list-style-type: none"> • VOCs by TO-15 VOC parameters.

Results of Chemical Analyses

Laboratory data for soil, groundwater and soil vapor are summarized in Tables 1-5, 6-10, and 11, respectively. Laboratory data deliverables for all samples evaluated in this RIR are provided in digital form in Appendix D, E, and F.

5.0 ENVIRONMENTAL EVALUATION

5.1 GEOLOGICAL AND HYDROGEOLOGICAL CONDITIONS

Stratigraphy

Soil stratigraphy encountered at the site included a surficial fill layer consisting of topsoil, sand, brick fragments, and concrete fragments ranging in thickness from 5 to 11 feet across the site. This fill layer is underlain by a clay confining layer ranging in thickness from 2 to 4 feet, beneath which is fine-medium sand with some coarse sand and gravel that extends to 20 feet below grade.

Hydrogeology

Based on topography and location relative to the Hudson River, groundwater is inferred to flow from the east to the west in the vicinity of the Site. Groundwater depth underneath the Site is approximately 20 feet, based on the findings of this investigation.

5.2 SOIL CHEMISTRY

VOCs

Soil/fill samples collected during the RI showed no volatile organic compounds (VOCs) exceeding or approaching NYSDEC Part 375 Unrestricted Use (Track 1) Soil Cleanup Objectives (UUSCOs). Several VOCs, including PCE and TCE, were identified but at extremely low levels (typically below 4 ug/kg). Toluene and xylenes were detected at very low levels (maximum of 1.7 ppb), and methylene chloride was detected at 9.3 ug/kg in one sample. VOCs in soil are presented in Table 1. As no VOCs were detected exceeding SCOs in any soil samples, including those collected surrounding the suspected USTs, VOCs are not considered a concern in soil for this site.

VOCs in soil are presented in Table 1. As no VOCs were detected exceeding SCOs in any soil samples, including those collected surrounding the suspected USTs, VOCs are not considered a concern in soil for this site.

SVOCs

Five semi-volatile organic compounds (SVOCs) in three shallow soil samples and in one deep sample exceed UUSCOs. Of these, only one SVOC exceeded Track 2 Restricted Commercial SCOs (RCSCOs) in three samples. Samples SB-3 (3-5), SB-4 (3-5) and SB-4 (16-18) contained concentrations of benzo(a)pyrene, benzo(a)anthracene, benzo(b)fluoranthene, chrysene, and indeno(1,2,3-cd)pyrene exceeding their respective Track 1 and benzo(k)fluoranthene and dibenzo(a,h)anthracene exceeding Track 1 SCOs in SB-4 (16-18). In addition, SB-5 (3-5) contained benzo(a)pyrene exceeding both SCOs, and chrysene exceeding its Track 1 SCO. SVOCs in soil are presented in Table 2.

SVOCs observed above SCOs are all polycyclic aromatic hydrocarbon compounds (PAH) and are observed at relatively low concentrations. Overall, the occurrence of PAHs and metals is consistent with findings during the collection of soils samples and suggests that historical fill is responsible for the observed low to moderate levels of contamination.

Metals

Several metals including lead, mercury, barium, zinc and copper exceed UUSCOs in shallow soil and one deep soil sample. Of these, only barium (3 samples) and lead (3 samples) exceeded Track 2 RCSCOs. Lead was detected in all shallow soil samples and one deep sample [SB-4(16-18)] at concentrations exceeding UUSCOs. Mercury was also detected in 6 of 8 shallow soil samples exceeding UUSCOs. Barium also exceeded UUSCOs in shallow samples from SB-1, SB-2, and SB-3, and SB-7. Zinc was detected exceeding UUSCOs in five shallow samples and one deep [SB-4(16-18)] sample. Copper was found to exceed UUSCOs only in shallow samples from SB-6 and SB-7. Metals in soil are presented in Table 3.

PCBs

One PCB, Aroclor 1260, exceeded Track 1 SCOs in two of eight shallow soils at 113 ug/kg and 422 ug/kg. No PCBs were detected at concentrations exceeding Track 2 SCOs. PCBs were not detected in deeper soils. PCBs in soil are presented in Table 4.

Pesticides

Two pesticides, 4,4'-DDE and 4,4'-DDT, were detected at concentrations exceeding Track 1 SCOs in one deep and one shallow soil boring. No pesticides were detected at concentrations exceeding RRSCOs. Pesticides in soil are presented in Table 5.

Data collected during the RI is sufficient to delineate the vertical and horizontal distribution of contaminants in soil/fill at the Site. Figures 3 and 4 show the locations and posts the values for soil/fill that exceeds the 6NYCRR Part 375-6.8 Track 1 and Track 2 Soil Cleanup Objectives.

5.3 GROUNDWATER CHEMISTRY

VOCs

No VOCs were detected in groundwater samples exceeding New York State 6NYCRR Part 703.5 Class GA groundwater quality standards (GQS), with the exception of cis-1,2-dichloroethene in one sample, which was detected at 9.2 ug/l, slightly exceeding the standard of 5 ug/l. This compound was not identified in soil samples taken on the property. PCE and TCE were identified in groundwater samples at low concentrations and below GQS. While some VOCs were identified at low levels in groundwater, none of these compounds were identified in onsite soils above corresponding groundwater protection standards for soil in 6NYCRR Part 375-6.8. VOCs in groundwater are presented in Table 6.

SVOCs

No SVOCs were detected in groundwater samples exceeding GQS. SVOCs in groundwater are presented in Table 7.

Metals

Several metals exceeded GWS in dissolved samples, including magnesium (one sample), manganese (4 samples), sodium (4 samples), and selenium (2 samples). Metals findings indicate that there is likely minor to moderate saline intrusion in local groundwater but no metals contamination source onsite. Metals in groundwater are presented in Table 8.

PCBs

No PCBs were detected in groundwater samples. PCBs in groundwater are presented in Table 9.

Pesticides

No pesticides were detected in groundwater samples exceeding GQS, with the exception of 4,4'-DDT in three samples at a maximum concentration of 0.077 ug/l exceeding the standard of 0.02 ug/l. Pesticides in groundwater are presented in Table 10.

Data collected during the RI is sufficient to delineate the distribution of contaminants in groundwater at the Site. Tables of data for chemical analyses performed on groundwater samples are included in Tables 6-10. Exceedence of applicable groundwater standards are shown.

Figure 5 shows the location and posts the values for groundwater that exceeds the New York State 6NYCRR Part 703.5 Class GA groundwater standards.

5.4 SOIL VAPOR CHEMISTRY

Soil vapor samples collected during the RI showed numerous VOCs detected at generally low to moderate concentrations, including three compounds listed in the NYSDOH Final Guidance on Soil Vapor Intrusion (October 2006) Decision Matrices. These include TCE and PCE which were identified in all soil vapor samples and range from 7-12 ug/m³ and 46-176 ug/m³, respectively. Some of these values exceed the minimum action levels for soil vapor intrusion. The potential for soil vapor intrusion will be addressed by the selected remedy for the site.

Data collected during the RI is sufficient to delineate the distribution of contaminants in soil vapor at the Site. A summary table of data for soil vapor samples is included in Table 11.

Figure 6 shows the location and posts the values for soil vapor samples with concentrations exceeding the NYSDOH Decision Matrix Action Levels.

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.

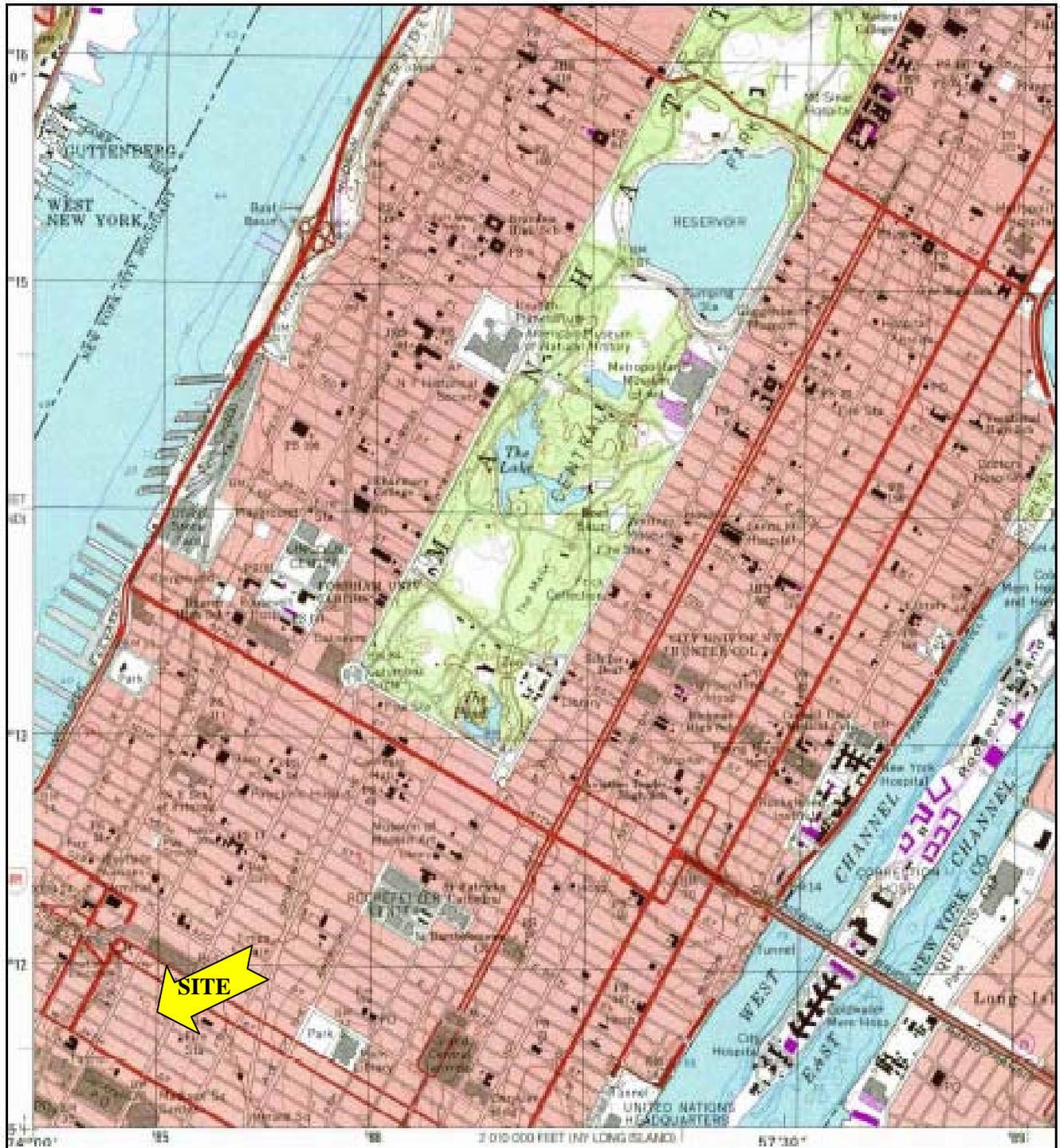


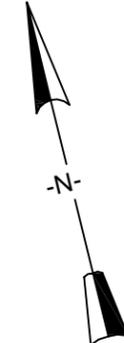
FIGURE 1: Site Location Map

SITE: 312 West 37th Street
 Block 760, Lot 51
 New York, New York

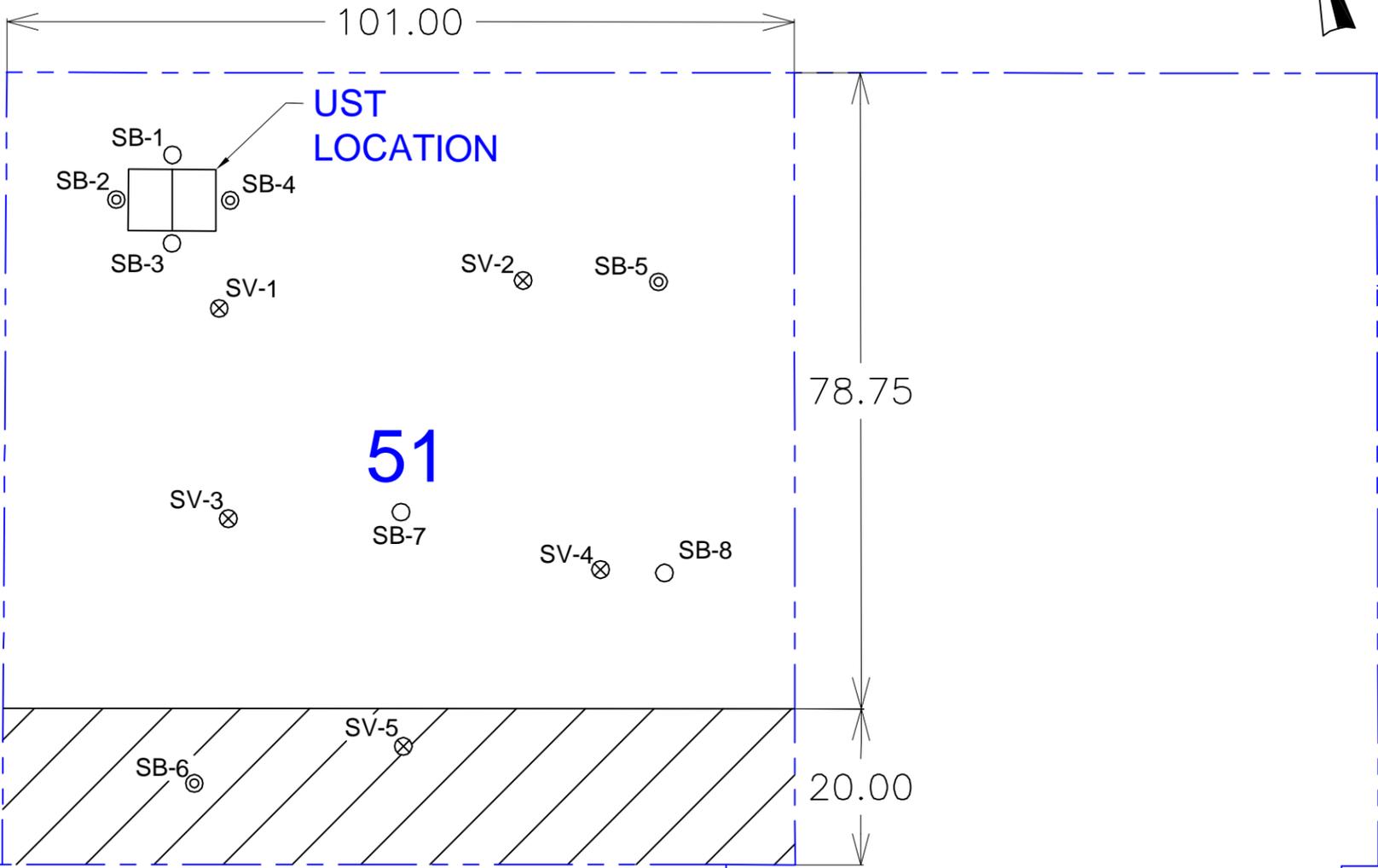
FLS Project No. 10173-001

Environmental Management & Consulting, 158 West 29th Street, New York, NY 10001

WEST 37 ST



COMMERCIAL/OFFICE BUILDINGS



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COMMERCIAL/OFFICE BUILDINGS



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158 West 29 Street, 9th Fl.
New York, NY 10001

312 WEST 37th STREET
NEW YORK, NY

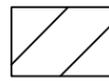
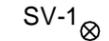
FIGURE 2

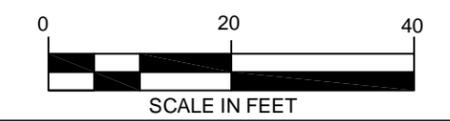
BORING LOCATION PLAN

Date
October 14, 2011

Project Number
10173-001

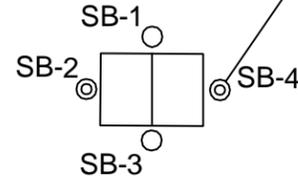
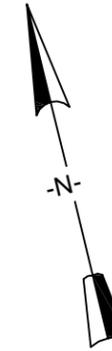
LEGEND

- 760** BLOCK NUMBER
- 51** LOT NUMBER
-  PROPOSED REAR YARD
- SB-1  SOIL BORING LOCATION
- SB-5  SOIL BORING/TEMP. WELL LOCATION
- SV-1  SOIL VAPOR SAMPLE LOCATION



WEST 37 ST

SB-4 (16-18)		UUSCO	RRSCO	CONC.
Benzo(a)anthracene	ug/kg	1000	1000	1600
Benzo(a)pyrene	ug/kg	1000	1000	1520
Benzo(b)fluoranthene	ug/kg	1000	1000	1300
Benzo(k)fluoranthene	ug/kg	800	3900	1090
Chrysene	ug/kg	1000	3900	1620
Dibenzo(a,h)anthracene	ug/kg	330	330	355
Indeno(1,2,3-cd)pyrene	ug/kg	500	500	970

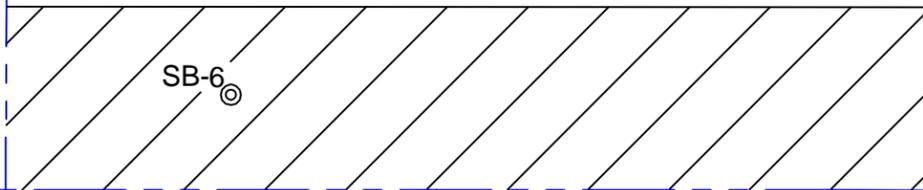


SB-5

51
○
SB-7

○
SB-8

SB-6



COMMERCIAL/OFFICE
BUILDINGS

COMMERCIAL/OFFICE
BUILDINGS

760

COMMERCIAL/OFFICE
BUILDINGS

NOTE:
1. SHALLOW SOIL SAMPLE RESULTS NOT
DEPICTED DUE TO PLANNED REMOVAL OF ALL
SOILS WITHIN BUILDING FOOTPRINT TO 16 FTBGS



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NEW YORK, NY

FIGURE 3

**SVOCs IN SOIL
EXCEEDING
REGULATORY
CRITERIA**

Date
October 14, 2011

Project Number
10173-001

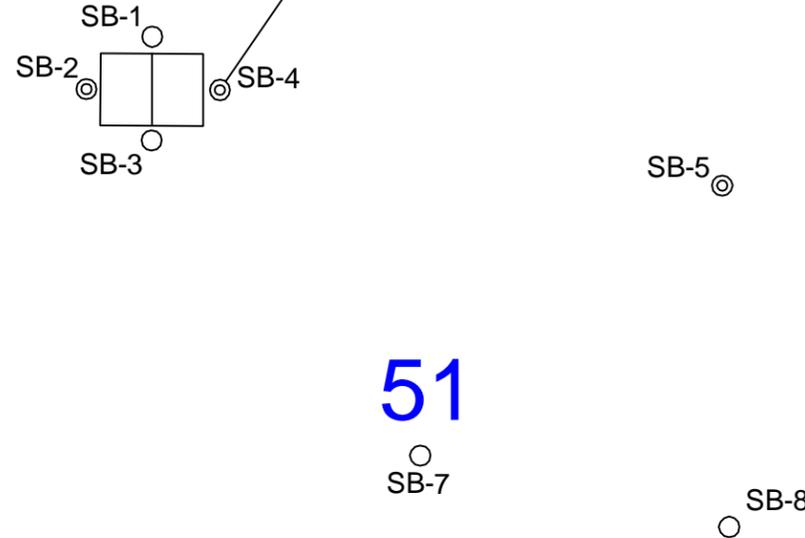
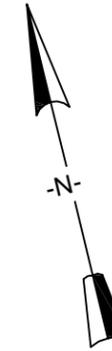
LEGEND

- 760 BLOCK NUMBER
- 51 LOT NUMBER
-  PROPOSED REAR YARD
- SB-1 ○ SOIL BORING LOCATION
- SB-5 ⊙ SOIL BORING/
TEMP. WELL LOCATION



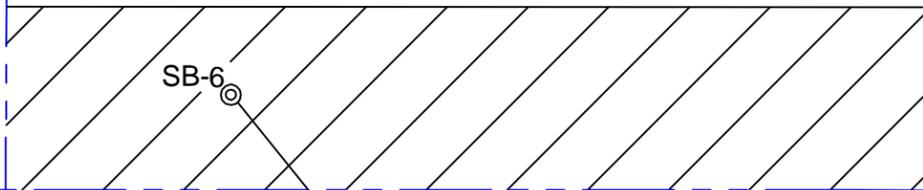
WEST 37 ST

SB-4 (16-18)		UUSCO	RRSCO	CONC.
Lead	mg/kg	63	400	277
Mercury	mg/kg	0.18	0.81	0.23
Zinc	mg/kg	109	10,000	120



COMMERCIAL/OFFICE BUILDINGS

51
○
SB-7



COMMERCIAL/OFFICE BUILDINGS

SB-6 (3-5)		UUSCO	RRSCO	CONC.
Copper	mg/kg	50	270	67
Lead	mg/kg	63	400	515
Mercury	mg/kg	0.18	0.81	0.22

760

COMMERCIAL/OFFICE BUILDINGS

NOTE:
1. SHALLOW SOIL SAMPLE RESULTS NOT DEPICTED DUE TO PLANNED REMOVAL OF ALL SOILS WITHIN BUILDING FOOTPRINT TO 16 FTBGS



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NEW YORK, NY

FIGURE 4

METALS IN SOIL EXCEEDING REGULATORY CRITERIA

Date
October 14, 2011

Project Number
10173-001

LEGEND

- 760 BLOCK NUMBER
- 51 LOT NUMBER
- PROPOSED REAR YARD
- SB-1 ○ SOIL BORING LOCATION
- SB-5 ⊙ SOIL BORING/ TEMP. WELL LOCATION





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New York, NY 10001

312 WEST 37th STREET
NEW YORK, NY

FIGURE 5

REGULATORY EXCEEDANCES IN GROUNDWATER

Date
October 14, 2011

Project Number
10173-001

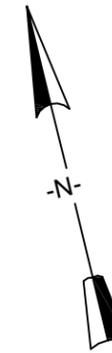
LEGEND

- 760** BLOCK NUMBER
- 51** LOT NUMBER
-  PROPOSED REAR YARD
- SB-1  SOIL BORING LOCATION
- SB-5  SOIL BORING/TEMP. WELL LOCATION

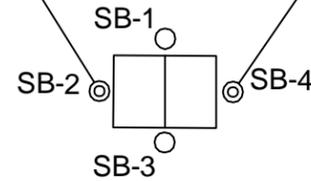


SB-4		TOGS	CONC.
Magnesium	ug/L	35,000	50,400
Manganese	ug/L	300	6,740
Sodium	ug/L	20,000	236,000

WEST 37 ST



SB-2		TOGS	CONC.
Manganese	ug/L	300	1950
Selenium	ug/L	10	15.5
Sodium	ug/L	20,000	79,100



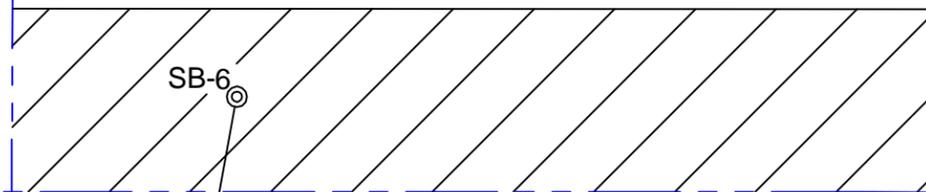
COMMERCIAL/OFFICE BUILDINGS

51

○
SB-7



SB-5		TOGS	CONC.
Magnesium	ug/L	35,000	145,000
Manganese	ug/L	300	516
Selenium	ug/L	10	34.8
Sodium	ug/L	20,000	256,000



SB-6 

SB-6		TOGS	CONC.
cis-1,2-Dichloroethene	ug/L	5	9.2
Manganese	ug/L	300	677

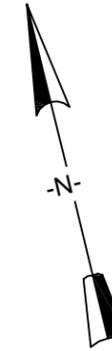
COMMERCIAL/OFFICE BUILDINGS

760

COMMERCIAL/OFFICE BUILDINGS

NOTE:
1. RESULTS SHOWN FOR DISSOLVED METALS,
NOT TOTAL METALS

WEST 37 ST



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New York, NY 10001

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NEW YORK, NY

FIGURE 6

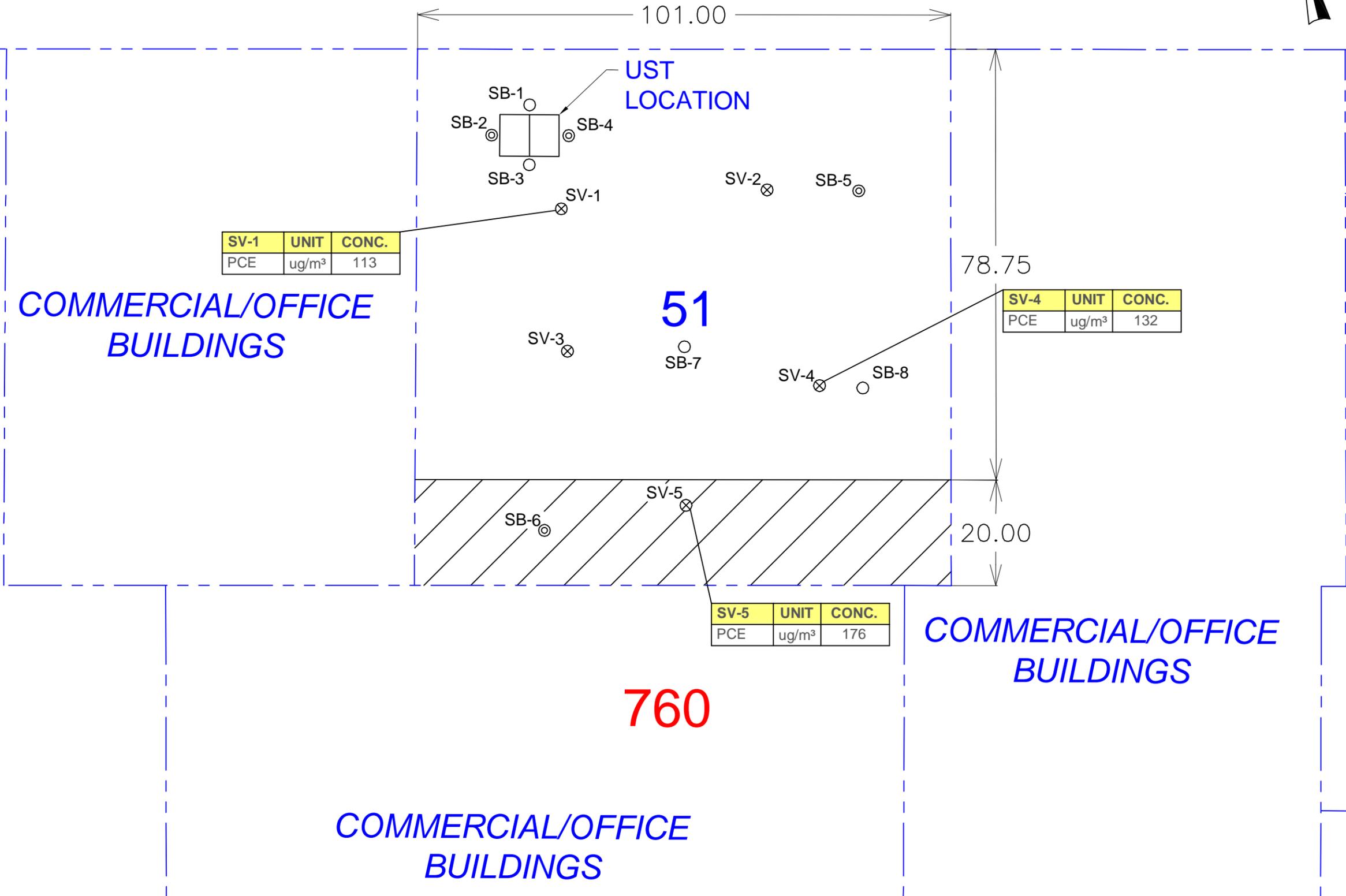
SOIL VAPOR RESULTS EXCEEDING DOH ACTION LEVELS

Date
October 14, 2011

Project Number
10173-001

LEGEND

- 760** BLOCK NUMBER
- 51** LOT NUMBER
-  PROPOSED REAR YARD
- SB-1  SOIL BORING LOCATION
- SB-5  SOIL BORING/TEMP. WELL LOCATION
- SV-1  SOIL VAPOR SAMPLE LOCATION



SV-1	UNIT	CONC.
PCE	ug/m ³	113

SV-4	UNIT	CONC.
PCE	ug/m ³	132

SV-5	UNIT	CONC.
PCE	ug/m ³	176

Table 1
Summary of Volatile Organic Compounds
in Soil
 312 West 37th Street
 New York, NY

Client Sample ID:	NY SCO - Restricted Residential	NY SCO - Unrestricted Use	DUP	SB-1(16-18)	SB-1(3-5)	SB-2(16-18)	SB-2(2.5-4.5)	SB-3(16-18)	SB-3(3-5)	SB-4(16-18)	SB-4(3-5)	
Lab Sample ID:	w/CP-51 (10/10)	(6 NYCRR 375-6 12/06)	JA86663-15	JA86663-3	JA86663-1	JA86663-9	JA86663-8	JA86663-7	JA86663-6	JA86663-5	JA86663-4	
Date Sampled:	9/19/2011	9/19/2011	9/19/2011	9/19/2011	9/19/2011	9/19/2011	9/19/2011	9/19/2011	9/19/2011	9/19/2011	9/19/2011	
Matrix:	(6 NYCRR 375-6 12/06)		Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	
GC/MS Volatiles (SW846 8260B)												
Acetone	ug/kg	100000	50	ND (8.6)	ND (8.3)	ND (8.0)	ND (8.5)	ND (8.8)	ND (8.6)	ND (8.3)	ND (8.6)	ND (8.1)
Benzene	ug/kg	4800	60	ND (0.17)	ND (0.17)	ND (0.16)	ND (0.17)	ND (0.18)	ND (0.17)	ND (0.17)	ND (0.17)	ND (0.16)
Bromochloromethane	ug/kg	-	-	ND (0.68)	ND (0.65)	ND (0.63)	ND (0.67)	ND (0.69)	ND (0.65)	ND (0.65)	ND (0.67)	ND (0.64)
Bromodichloromethane	ug/kg	-	-	ND (0.29)	ND (0.28)	ND (0.27)	ND (0.29)	ND (0.30)	ND (0.29)	ND (0.28)	ND (0.29)	ND (0.28)
Bromoform	ug/kg	-	-	ND (0.98)	ND (0.94)	ND (0.92)	ND (0.97)	ND (1.0)	ND (0.99)	ND (0.95)	ND (0.98)	ND (0.93)
Bromomethane	ug/kg	-	-	ND (0.51)	ND (0.49)	ND (0.48)	ND (0.51)	ND (0.52)	ND (0.51)	ND (0.49)	ND (0.51)	ND (0.48)
2-Butanone (MEK)	ug/kg	100000	120	ND (5.6)	ND (5.4)	ND (5.3)	ND (5.6)	ND (5.7)	ND (5.7)	ND (5.4)	ND (5.6)	ND (5.3)
Carbon disulfide	ug/kg	-	-	ND (0.26)	ND (0.25)	ND (0.24)	ND (0.25)	ND (0.26)	ND (0.26)	ND (0.25)	ND (0.25)	ND (0.24)
Carbon tetrachloride	ug/kg	2400	760	ND (0.45)	ND (0.43)	ND (0.42)	ND (0.45)	ND (0.46)	ND (0.45)	ND (0.43)	ND (0.45)	ND (0.42)
Chlorobenzene	ug/kg	100000	1100	ND (0.42)	ND (0.40)	ND (0.39)	ND (0.41)	ND (0.43)	ND (0.42)	ND (0.40)	ND (0.42)	ND (0.40)
Chloroethane	ug/kg	-	-	ND (0.53)	ND (0.51)	ND (0.50)	ND (0.53)	ND (0.54)	ND (0.53)	ND (0.51)	ND (0.53)	ND (0.50)
Chloroform	ug/kg	49000	370	ND (0.63)	ND (0.60)	ND (0.59)	ND (0.62)	ND (0.64)	ND (0.63)	ND (0.61)	ND (0.63)	ND (0.59)
Chloromethane	ug/kg	-	-	ND (0.81)	ND (0.78)	ND (0.76)	ND (0.80)	ND (0.83)	ND (0.81)	ND (0.78)	ND (0.81)	ND (0.77)
Cyclohexane	ug/kg	-	-	ND (0.49)	ND (0.47)	ND (0.46)	ND (0.49)	ND (0.50)	ND (0.49)	ND (0.47)	ND (0.49)	ND (0.47)
1,2-Dibromo-3-chloropropane	ug/kg	-	-	ND (2.0)	ND (1.9)	ND (1.8)	ND (1.9)	ND (2.0)	ND (2.0)	ND (1.9)	ND (2.0)	ND (1.9)
Dibromochloromethane	ug/kg	-	-	ND (0.22)	ND (0.21)	ND (0.20)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.21)	ND (0.22)	ND (0.21)
1,2-Dibromoethane	ug/kg	-	-	ND (0.31)	ND (0.30)	ND (0.29)	ND (0.31)	ND (0.32)	ND (0.31)	ND (0.30)	ND (0.31)	ND (0.29)
1,2-Dichlorobenzene	ug/kg	100000	1100	ND (0.36)	ND (0.35)	ND (0.34)	ND (0.36)	ND (0.37)	ND (0.36)	ND (0.35)	ND (0.36)	ND (0.34)
1,3-Dichlorobenzene	ug/kg	49000	2400	ND (0.25)	ND (0.24)	ND (0.23)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.24)	ND (0.25)	ND (0.24)
1,4-Dichlorobenzene	ug/kg	13000	1800	ND (0.22)	ND (0.21)	ND (0.21)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.21)	ND (0.22)	ND (0.21)
Dichlorodifluoromethane	ug/kg	-	-	ND (0.42)	ND (0.40)	ND (0.39)	ND (0.41)	ND (0.43)	ND (0.42)	ND (0.40)	ND (0.42)	ND (0.39)
1,1-Dichloroethane	ug/kg	26000	270	ND (0.28)	ND (0.27)	ND (0.26)	ND (0.28)	ND (0.29)	ND (0.28)	ND (0.27)	ND (0.28)	ND (0.27)
1,2-Dichloroethane	ug/kg	3100	20	ND (0.24)	ND (0.23)	ND (0.22)	ND (0.23)	ND (0.24)	ND (0.24)	ND (0.23)	ND (0.24)	ND (0.22)
1,1-Dichloroethene	ug/kg	100000	330	ND (0.80)	ND (0.77)	ND (0.74)	ND (0.79)	ND (0.81)	ND (0.80)	ND (0.77)	ND (0.79)	ND (0.75)
cis-1,2-Dichloroethene	ug/kg	100000	250	ND (0.42)	ND (0.40)	ND (0.39)	ND (0.41)	ND (0.43)	ND (0.42)	ND (0.40)	ND (0.42)	ND (0.40)
trans-1,2-Dichloroethene	ug/kg	100000	190	ND (0.55)	ND (0.53)	ND (0.51)	ND (0.55)	ND (0.56)	ND (0.55)	ND (0.53)	ND (0.55)	ND (0.52)
1,2-Dichloropropane	ug/kg	-	-	ND (0.35)	ND (0.33)	ND (0.32)	ND (0.34)	ND (0.35)	ND (0.35)	ND (0.33)	ND (0.34)	ND (0.33)
cis-1,3-Dichloropropene	ug/kg	-	-	ND (0.20)	ND (0.19)	ND (0.18)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.19)	ND (0.20)	ND (0.19)
trans-1,3-Dichloropropene	ug/kg	-	-	ND (0.44)	ND (0.42)	ND (0.41)	ND (0.43)	ND (0.44)	ND (0.44)	ND (0.42)	ND (0.44)	ND (0.41)
1,4-Dioxane	ug/kg	13000	100	ND (76)	ND (73)	ND (71)	ND (75)	ND (77)	ND (76)	ND (73)	ND (75)	ND (71)
Ethylbenzene	ug/kg	41000	1000	ND (0.19)	0.20 J	0.35 J	ND (0.19)	ND (0.20)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.18)
Freon 113	ug/kg	-	-	ND (0.93)	ND (0.90)	ND (0.87)	ND (0.92)	ND (0.95)	ND (0.94)	ND (0.90)	ND (0.93)	ND (0.88)
2-Hexanone	ug/kg	-	-	ND (3.2)	ND (3.1)	ND (3.0)	ND (3.2)	ND (3.3)	ND (3.2)	ND (3.1)	ND (3.2)	ND (3.0)
Isopropylbenzene	ug/kg	-	-	ND (0.18)	ND (0.17)	ND (0.17)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.17)
Methyl Acetate	ug/kg	-	-	ND (2.9)	ND (2.8)	ND (2.7)	ND (2.9)	ND (2.9)	ND (2.9)	ND (2.8)	ND (2.9)	ND (2.7)
Methylcyclohexane	ug/kg	-	-	ND (0.32)	ND (0.31)	ND (0.30)	ND (0.32)	ND (0.32)	ND (0.32)	ND (0.31)	ND (0.32)	ND (0.30)
Methyl Tert Butyl Ether	ug/kg	100000	930	ND (0.23)	ND (0.22)	ND (0.22)	ND (0.23)	ND (0.24)	ND (0.23)	ND (0.22)	ND (0.23)	ND (0.22)
4-Methyl-2-pentanone(MIBK)	ug/kg	-	-	ND (3.4)	ND (3.3)	ND (3.2)	ND (3.4)	ND (3.5)	ND (3.4)	ND (3.3)	ND (3.4)	ND (3.2)
Methylene chloride	ug/kg	100000	50	ND (0.30)	ND (0.29)	2.5 J	ND (0.30)	ND (0.30)	ND (0.30)	ND (0.29)	ND (0.30)	ND (0.28)
Styrene	ug/kg	-	-	ND (0.24)	ND (0.23)	ND (0.22)	ND (0.24)	ND (0.25)	ND (0.24)	ND (0.23)	ND (0.24)	ND (0.23)
1,1,2,2-Tetrachloroethane	ug/kg	-	-	ND (0.23)	ND (0.22)	ND (0.22)	ND (0.23)	ND (0.24)	ND (0.23)	ND (0.22)	ND (0.23)	ND (0.22)
Tetrachloroethene	ug/kg	19000	1300	0.45 J	0.28 J	0.7 J	ND (0.25)	ND (0.25)	ND (0.25)	0.39 J	ND (0.25)	1.7 J
Toluene	ug/kg	100000	700	ND (0.49)	1.4	0.70 J	ND (0.49)	ND (0.50)	ND (0.49)	ND (0.47)	ND (0.49)	ND (0.46)
1,2,3-Trichlorobenzene	ug/kg	-	-	ND (0.57)	ND (0.55)	ND (0.53)	ND (0.56)	ND (0.58)	ND (0.57)	ND (0.55)	ND (0.57)	ND (0.54)
1,2,4-Trichlorobenzene	ug/kg	-	-	ND (0.44)	ND (0.43)	ND (0.41)	ND (0.44)	ND (0.45)	ND (0.45)	ND (0.43)	ND (0.44)	ND (0.42)
1,1,1-Trichloroethane	ug/kg	100000	680	ND (0.31)	ND (0.30)	ND (0.29)	ND (0.31)	ND (0.32)	ND (0.31)	ND (0.30)	ND (0.31)	ND (0.30)
1,1,2-Trichloroethane	ug/kg	-	-	ND (0.56)	ND (0.54)	ND (0.53)	ND (0.56)	ND (0.57)	ND (0.57)	ND (0.54)	ND (0.56)	ND (0.53)
Trichloroethene	ug/kg	21000	470	ND (0.32)	ND (0.31)	ND (0.30)	ND (0.32)	ND (0.33)	ND (0.32)	ND (0.31)	ND (0.32)	0.40 J
Trichlorofluoromethane	ug/kg	-	-	ND (0.63)	ND (0.60)	ND (0.59)	ND (0.62)	ND (0.64)	ND (0.63)	ND (0.60)	ND (0.62)	ND (0.59)
Vinyl chloride	ug/kg	900	20	ND (0.60)	ND (0.58)	ND (0.56)	ND (0.59)	ND (0.61)	ND (0.60)	ND (0.58)	ND (0.60)	ND (0.57)
m,p-Xylene	ug/kg	100000	260	ND (0.41)	0.63 J	1.3	ND (0.40)	ND (0.42)	ND (0.41)	ND (0.39)	ND (0.41)	0.46 J
o-Xylene	ug/kg	100000	260	ND (0.24)	0.28 J	0.24 J	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.23)	ND (0.24)	ND (0.23)
Xylene (total)	ug/kg	100000	260	ND (0.24)	0.91 J	1.5	ND (0.24)	ND (0.24)	0.38 J	ND (0.23)	ND (0.24)	0.46 J

No results exceeded regulatory criteria.

ND - Compound not detected above corresponding detection limit
 J - Estimated value below reporting limit

Table 1
Summary of Volatile Organic Compounds
in Soil
312 West 37th Street
New York, NY

Client Sample ID:	NY SCO - Restricted Residential	NY SCO - Unrestricted Use	SB-5(16-18)	SB-5(3-5)	SB-6(16-18)	SB-6(3-5)	SB-7(18-20)	SB-7(2.5-4.5)	SB-8(17-19)	SB-8(3-5)
Lab Sample ID:	w/CP-51 (10/10)	(6 NYCRR	JA86663-17	JA86663-16	JA86663-21	JA86663-20	JA86663-12	JA86663-11	JA86663-14	JA86663-13
Date Sampled:	9/20/2011	375-6 12/06)	9/20/2011	9/20/2011	9/20/2011	9/20/2011	9/19/2011	9/19/2011	9/19/2011	9/19/2011
Matrix:	(6 NYCRR 375-6 12/06)		Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
GC/MS Volatiles (SW846 8260B)										
Acetone	ug/kg	100000	50	ND (8.0)	ND (7.9)	ND (7.7)	ND (8.5)	ND (9.1)	ND (8.4)	ND (8.1)
Benzene	ug/kg	4800	60	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.17)	ND (0.18)	ND (0.17)	ND (0.16)
Bromochloromethane	ug/kg	-	-	ND (0.62)	ND (0.61)	ND (0.61)	ND (0.67)	ND (0.71)	ND (0.66)	ND (0.63)
Bromodichloromethane	ug/kg	-	-	ND (0.27)	ND (0.27)	ND (0.26)	ND (0.29)	ND (0.31)	ND (0.28)	ND (0.27)
Bromoform	ug/kg	-	-	ND (0.91)	ND (0.90)	ND (0.88)	ND (0.97)	ND (1.0)	ND (0.96)	ND (0.92)
Bromomethane	ug/kg	-	-	ND (0.47)	ND (0.47)	ND (0.46)	ND (0.51)	ND (0.54)	ND (0.50)	ND (0.48)
2-Butanone (MEK)	ug/kg	100000	120	ND (5.2)	ND (5.2)	ND (5.1)	ND (5.6)	ND (6.0)	ND (5.5)	ND (5.3)
Carbon disulfide	ug/kg	-	-	ND (0.24)	ND (0.23)	ND (0.23)	ND (0.25)	ND (0.27)	ND (0.25)	ND (0.24)
Carbon tetrachloride	ug/kg	2400	760	ND (0.42)	ND (0.41)	ND (0.40)	ND (0.45)	ND (0.48)	ND (0.44)	ND (0.42)
Chlorobenzene	ug/kg	100000	1100	ND (0.39)	ND (0.39)	ND (0.38)	ND (0.42)	ND (0.44)	ND (0.41)	ND (0.39)
Chloroethane	ug/kg	-	-	ND (0.49)	ND (0.49)	ND (0.48)	ND (0.53)	ND (0.56)	ND (0.52)	ND (0.50)
Chloroform	ug/kg	49000	370	ND (0.58)	ND (0.58)	ND (0.56)	ND (0.62)	ND (0.66)	ND (0.61)	ND (0.59)
Chloromethane	ug/kg	-	-	ND (0.75)	ND (0.75)	ND (0.73)	ND (0.81)	ND (0.86)	ND (0.79)	ND (0.76)
Cyclohexane	ug/kg	-	-	ND (0.46)	ND (0.45)	ND (0.44)	ND (0.49)	ND (0.52)	ND (0.48)	ND (0.46)
1,2-Dibromo-3-chloropropane	ug/kg	-	-	ND (1.8)	ND (1.8)	ND (1.8)	ND (1.9)	ND (2.1)	ND (1.9)	ND (1.9)
Dibromochloromethane	ug/kg	-	-	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.22)	ND (0.23)	ND (0.21)	ND (0.20)
1,2-Dibromoethane	ug/kg	-	-	ND (0.29)	ND (0.29)	ND (0.28)	ND (0.31)	ND (0.33)	ND (0.30)	ND (0.29)
1,2-Dichlorobenzene	ug/kg	100000	1100	ND (0.33)	ND (0.33)	ND (0.32)	ND (0.36)	ND (0.38)	ND (0.35)	ND (0.34)
1,3-Dichlorobenzene	ug/kg	49000	2400	ND (0.23)	ND (0.23)	ND (0.22)	ND (0.25)	ND (0.26)	ND (0.24)	ND (0.23)
1,4-Dichlorobenzene	ug/kg	13000	1800	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.22)	ND (0.23)	ND (0.22)	ND (0.21)
Dichlorodifluoromethane	ug/kg	-	-	ND (0.39)	ND (0.38)	ND (0.37)	ND (0.41)	ND (0.44)	ND (0.41)	ND (0.39)
1,1-Dichloroethane	ug/kg	26000	270	ND (0.26)	ND (0.26)	ND (0.25)	ND (0.28)	ND (0.30)	ND (0.28)	ND (0.27)
1,2-Dichloroethane	ug/kg	3100	20	ND (0.22)	ND (0.22)	ND (0.21)	ND (0.23)	ND (0.25)	ND (0.23)	ND (0.22)
1,1-Dichloroethene	ug/kg	100000	330	ND (0.74)	ND (0.73)	ND (0.72)	ND (0.79)	ND (0.84)	ND (0.78)	ND (0.75)
cis-1,2-Dichloroethene	ug/kg	100000	250	ND (0.39)	ND (0.39)	ND (0.38)	ND (0.42)	ND (0.44)	ND (0.41)	ND (0.39)
trans-1,2-Dichloroethene	ug/kg	100000	190	ND (0.51)	ND (0.51)	ND (0.49)	ND (0.55)	ND (0.58)	ND (0.54)	ND (0.52)
1,2-Dichloropropane	ug/kg	-	-	ND (0.32)	ND (0.32)	ND (0.31)	ND (0.34)	ND (0.37)	ND (0.34)	ND (0.32)
cis-1,3-Dichloropropene	ug/kg	-	-	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.20)	ND (0.21)	ND (0.19)	ND (0.19)
trans-1,3-Dichloropropene	ug/kg	-	-	ND (0.40)	ND (0.40)	ND (0.39)	ND (0.43)	ND (0.46)	ND (0.43)	ND (0.41)
1,4-Dioxane	ug/kg	13000	100	ND (7.0)	ND (7.0)	ND (6.8)	ND (7.5)	ND (8.0)	ND (7.4)	ND (7.1)
Ethylbenzene	ug/kg	41000	1000	0.22 J	0.43 J	ND (0.17)	ND (0.19)	ND (0.20)	ND (0.19)	ND (0.18)
Freon 113	ug/kg	-	-	ND (0.86)	ND (0.86)	ND (0.84)	ND (0.93)	ND (0.99)	ND (0.91)	ND (0.87)
2-Hexanone	ug/kg	-	-	ND (3.0)	ND (3.0)	ND (2.9)	ND (3.2)	ND (3.4)	ND (3.2)	ND (3.0)
Isopropylbenzene	ug/kg	-	-	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.18)	ND (0.19)	ND (0.17)	ND (0.17)
Methyl Acetate	ug/kg	-	-	ND (2.7)	ND (2.7)	ND (2.6)	ND (2.9)	ND (3.1)	ND (2.8)	ND (2.7)
Methylcyclohexane	ug/kg	-	-	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.32)	ND (0.34)	ND (0.31)	ND (0.30)
Methyl Tert Butyl Ether	ug/kg	100000	930	ND (0.22)	ND (0.21)	ND (0.21)	ND (0.23)	ND (0.25)	ND (0.23)	ND (0.22)
4-Methyl-2-pentanone(MIBK)	ug/kg	-	-	ND (3.2)	ND (3.2)	ND (3.1)	ND (3.4)	ND (3.6)	ND (3.3)	ND (3.2)
Methylene chloride	ug/kg	100000	50	5.2 J	9.3	ND (0.27)	ND (0.30)	ND (0.32)	ND (0.29)	ND (0.28)
Styrene	ug/kg	-	-	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.24)	ND (0.25)	ND (0.24)	ND (0.23)
1,1,2,2-Tetrachloroethane	ug/kg	-	-	ND (0.22)	ND (0.21)	ND (0.21)	ND (0.23)	ND (0.25)	ND (0.23)	ND (0.22)
Tetrachloroethene	ug/kg	19000	1300	0.60 J	3.6 J	ND (0.22)	0.41 J	ND (0.26)	3.2 J	2.6 J
Toluene	ug/kg	100000	700	0.48 J	0.88 J	ND (0.44)	0.69 J	ND (0.52)	ND (0.48)	ND (0.46)
1,2,3-Trichlorobenzene	ug/kg	-	-	ND (0.53)	ND (0.52)	ND (0.51)	ND (0.57)	ND (0.60)	ND (0.56)	ND (0.53)
1,2,4-Trichlorobenzene	ug/kg	-	-	ND (0.41)	ND (0.41)	ND (0.40)	ND (0.44)	ND (0.47)	ND (0.43)	ND (0.42)
1,1,1-Trichloroethane	ug/kg	100000	680	ND (0.29)	ND (0.29)	ND (0.28)	ND (0.31)	ND (0.33)	ND (0.31)	ND (0.29)
1,1,2-Trichloroethane	ug/kg	-	-	ND (0.52)	ND (0.52)	ND (0.51)	ND (0.56)	ND (0.60)	ND (0.55)	ND (0.53)
Trichloroethene	ug/kg	21000	470	ND (0.30)	0.47 J	ND (0.29)	ND (0.32)	ND (0.34)	ND (0.31)	ND (0.30)
Trichlorofluoromethane	ug/kg	-	-	ND (0.58)	ND (0.58)	ND (0.56)	ND (0.62)	ND (0.66)	ND (0.61)	ND (0.59)
Vinyl chloride	ug/kg	900	20	ND (0.55)	ND (0.55)	ND (0.54)	ND (0.59)	ND (0.63)	ND (0.59)	ND (0.56)
m,p-Xylene	ug/kg	100000	260	0.88 J	1.4	ND (0.37)	0.61 J	ND (0.43)	ND (0.40)	ND (0.38)
o-Xylene	ug/kg	100000	260	0.25 J	0.26 J	ND (0.21)	ND (0.24)	ND (0.25)	ND (0.23)	ND (0.22)
Xylene (total)	ug/kg	100000	260	1.1 J	1.7	ND (0.21)	0.61 J	ND (0.25)	ND (0.23)	ND (0.22)

No results exceeded regulatory criteria.

ND - Compound not detected above corresponding detection limit
J - Estimated value below reporting limit

Table 2
 Summary of Semi-Volatile Organic Compound
 in Soil
 312 West 37th Street
 New York, NY

Client Sample ID:	NY SCO - Restricted w/CP-51 (10/10) Date Sampled: Matrix:	NY SCO - Unrestricted Use (6 NYCRR 375-6 12/06)	DUP JA86663-15 9/19/2011 Soil	SB-1(16-18) JA86663-3 9/19/2011 Soil	SB-1(3-5) JA86663-1 9/19/2011 Soil	SB-2(16-18) JA86663-9 9/19/2011 Soil	SB-2(2.5-4.5) JA86663-8 9/19/2011 Soil	SB-3(16-18) JA86663-7 9/19/2011 Soil	SB-3(3-5) JA86663-6 9/19/2011 Soil	SB-4(16-18) JA86663-5 9/19/2011 Soil	SB-4(3-5) JA86663-4 9/19/2011 Soil	SB-5(16-18) JA86663-17 9/20/2011 Soil
GC/MS Semi-volatiles (SW846 8270D)												
2-Chlorophenol	ug/kg	-	ND (34)	ND (32)	ND (31)	ND (33)	ND (34)	ND (34)	ND (33)	ND (34)	ND (32)	ND (31)
4-Chloro-3-methyl phenol	ug/kg	-	ND (33)	ND (32)	ND (31)	ND (33)	ND (34)	ND (34)	ND (33)	ND (34)	ND (32)	ND (31)
2,4-Dichlorophenol	ug/kg	-	ND (54)	ND (52)	ND (50)	ND (53)	ND (55)	ND (54)	ND (52)	ND (54)	ND (51)	ND (50)
2,4-Dinitrophenol	ug/kg	-	ND (56)	ND (54)	ND (52)	ND (57)	ND (56)	ND (54)	ND (53)	ND (54)	ND (53)	ND (52)
2,4-Dinitrophenol	ug/kg	-	ND (41)	ND (39)	ND (38)	ND (40)	ND (42)	ND (41)	ND (39)	ND (41)	ND (39)	ND (38)
4,6-Dinitro-o-cresol	ug/kg	-	ND (41)	ND (39)	ND (38)	ND (40)	ND (42)	ND (41)	ND (39)	ND (41)	ND (39)	ND (38)
2-Methylphenol	ug/kg	100000	330	ND (38)	ND (36)	ND (38)	ND (38)	ND (38)	ND (38)	ND (38)	ND (38)	ND (36)
3,4-Methylphenol	ug/kg	-	-	ND (43)	ND (41)	ND (40)	ND (42)	ND (43)	ND (43)	ND (41)	ND (42)	ND (40)
2-Nitrophenol	ug/kg	-	-	ND (36)	ND (34)	ND (33)	ND (35)	ND (36)	ND (36)	ND (34)	ND (35)	ND (33)
4-Nitrophenol	ug/kg	-	-	ND (57)	ND (54)	ND (53)	ND (56)	ND (58)	ND (57)	ND (54)	ND (56)	ND (52)
Pentachlorophenol	ug/kg	6700	800	ND (57)	ND (55)	ND (53)	ND (58)	ND (58)	ND (57)	ND (55)	ND (57)	ND (53)
Phenol	ug/kg	100000	330	ND (35)	ND (34)	ND (33)	ND (35)	ND (36)	ND (35)	ND (34)	ND (35)	ND (33)
2,3,4,6-Tetrachlorophenol	ug/kg	-	-	ND (35)	ND (33)	ND (32)	ND (34)	ND (35)	ND (35)	ND (33)	ND (34)	ND (32)
2,4,5-Trichlorophenol	ug/kg	-	-	ND (39)	ND (37)	ND (36)	ND (38)	ND (39)	ND (39)	ND (37)	ND (39)	ND (36)
2,4,6-Trichlorophenol	ug/kg	-	-	ND (31)	ND (30)	ND (29)	ND (31)	ND (32)	ND (32)	ND (30)	ND (31)	ND (29)
Acenaphthene	ug/kg	100000	20000	ND (9.7)	55.4	ND (9.1)	ND (9.6)	ND (9.9)	ND (9.7)	282	320	156
Acenaphthylene	ug/kg	100000	100000	ND (11)	ND (10)	59.5	ND (11)	134	ND (11)	87	59.3	77.3
Acenaphthone	ug/kg	-	-	ND (5.9)	ND (5.8)	ND (5.5)	ND (5.9)	ND (6.0)	ND (5.9)	ND (5.7)	ND (5.9)	ND (5.6)
Anthracene	ug/kg	100000	100000	13.7	17.6	63.5	ND (12)	138	ND (12)	886	830	429
Atrazine	ug/kg	-	-	ND (6.6)	ND (6.3)	ND (6.2)	ND (6.5)	ND (6.7)	ND (6.6)	ND (6.3)	ND (6.6)	ND (6.2)
Benzo(a)anthracene	ug/kg	1000	1000	48.2	389	186	ND (11)	591	ND (11)	1510	1660	1220
Benzo(a)pyrene	ug/kg	1000	1000	36.8	422	158	ND (10)	402	ND (10)	1200	1520	1220
Benzo(b)fluoranthene	ug/kg	1000	1000	26.0 J	349	158	ND (11)	534	ND (11)	1170	1300	1200
Benzo(g,h)perylene	ug/kg	100000	100000	24.3 J	361	334	ND (12)	273	ND (12)	731	1090	893
Benzo(k)fluoranthene	ug/kg	3900	800	36.7	408	345	ND (12)	345	ND (12)	735	1090	893
4-Bromophenyl phenyl ether	ug/kg	-	-	ND (12)	ND (12)	ND (11)	ND (12)	ND (12)	ND (12)	ND (12)	ND (12)	ND (11)
Butyl benzyl phthalate	ug/kg	-	-	ND (19)	ND (19)	ND (18)	ND (19)	ND (20)	ND (19)	ND (19)	ND (18)	ND (18)
1,1'-Biphenyl	ug/kg	-	-	ND (3.9)	ND (3.7)	ND (3.6)	ND (3.8)	ND (4.0)	ND (3.9)	15.5 J	24.1 J	22.3 J
Benzaldehyde	ug/kg	-	-	ND (7.7)	ND (7.4)	ND (7.2)	ND (7.6)	ND (7.8)	ND (7.7)	ND (7.4)	ND (7.7)	ND (7.1)
2-Chloronaphthalene	ug/kg	-	-	ND (10)	ND (9.9)	ND (9.7)	ND (10)	ND (11)	ND (10)	ND (10)	ND (10)	ND (9.8)
4-Chloroaniline	ug/kg	-	-	ND (11)	ND (10)	ND (10)	ND (11)	ND (11)	ND (10)	ND (11)	ND (10)	ND (9.9)
Carbazole	ug/kg	-	-	ND (16)	37.0 J	31.2 J	ND (15)	17.0 J	ND (16)	259	286	121
Caproactam	ug/kg	-	-	ND (11)	ND (10)	ND (9.8)	ND (10)	ND (11)	ND (11)	ND (10)	ND (11)	ND (9.9)
Chrysene	ug/kg	3900	1000	43.8	376	196	ND (11)	758	ND (11)	1576	1620	1340
bis(2-Chloroethoxy)methane	ug/kg	-	-	ND (14)	ND (13)	ND (13)	ND (13)	ND (14)	ND (14)	ND (13)	ND (13)	ND (12)
bis(2-Chloroethyl)ether	ug/kg	-	-	ND (10)	ND (9.6)	ND (9.4)	ND (10)	ND (10)	ND (10)	ND (9.7)	ND (10)	ND (9.5)
bis(2-Chloroisopropyl)ether	ug/kg	-	-	ND (9.9)	ND (9.5)	ND (9.3)	ND (9.8)	ND (10)	ND (10)	ND (9.6)	ND (9.9)	ND (9.4)
4-Chlorophenyl phenyl ether	ug/kg	-	-	ND (10)	ND (9.6)	ND (9.4)	ND (10)	ND (10)	ND (10)	ND (9.7)	ND (10)	ND (9.5)
2,4-Dinitrotoluene	ug/kg	-	-	ND (15)	ND (14)	ND (14)	ND (14)	ND (15)	ND (15)	ND (14)	ND (15)	ND (14)
2,6-Dinitrotoluene	ug/kg	-	-	ND (13)	ND (12)	ND (12)	ND (13)	ND (13)	ND (13)	ND (12)	ND (13)	ND (12)
3,3'-Dichlorobenzidine	ug/kg	-	-	ND (8.5)	ND (8.1)	ND (7.9)	ND (8.4)	ND (8.6)	ND (8.5)	ND (8.2)	ND (8.5)	ND (8.0)
Dibenz(a,h)anthracene	ug/kg	330	330	ND (11)	108	46	ND (11)	99.9	ND (11)	301	355	284
Dibenzofuran	ug/kg	59000	7000	ND (9.9)	31.1 J	ND (9.3)	ND (9.8)	ND (10)	ND (10)	111	203	127
Di-n-butyl phthalate	ug/kg	-	-	ND (7.4)	ND (7.1)	ND (6.9)	ND (7.3)	172	ND (7.5)	ND (7.2)	ND (7.4)	ND (7.0)
Di-n-octyl phthalate	ug/kg	-	-	ND (16)	ND (16)	ND (16)	ND (16)	ND (17)	ND (16)	ND (16)	ND (16)	ND (15)
Diethyl phthalate	ug/kg	-	-	ND (11)	ND (11)	ND (11)	ND (11)	ND (12)	ND (11)	ND (11)	ND (11)	ND (11)
Dimethyl phthalate	ug/kg	-	-	63.1 J	ND (11)	101	544 J	99.6	99.1	81.7	81.6	65.2
bis(2-Ethylhexyl)phthalate	ug/kg	-	-	ND (30)	ND (29)	ND (28)	ND (29)	ND (30)	ND (30)	ND (28)	ND (29)	ND (27)
Fluoranthene	ug/kg	100000	100000	95	1020	357	ND (15)	545	ND (15)	2470	3010	152
Fluorene	ug/kg	100000	30000	ND (11)	53.8	13.6 J	ND (11)	18.7 J	ND (11)	240	287	150
Hexachlorobenzene	ug/kg	1200	330	ND (11)	ND (10)	ND (10)	ND (11)	ND (11)	ND (11)	ND (11)	ND (11)	ND (10)
Hexachlorobutadiene	ug/kg	-	-	ND (9.3)	ND (8.9)	ND (8.7)	ND (9.2)	ND (9.5)	ND (9.3)	ND (9.0)	ND (9.3)	ND (8.6)
Hexachlorocyclopentadiene	ug/kg	-	-	ND (34)	ND (33)	ND (32)	ND (34)	ND (35)	ND (34)	ND (33)	ND (34)	ND (32)
Hexachloroethane	ug/kg	-	-	ND (9.3)	ND (8.9)	ND (8.7)	ND (9.2)	ND (9.5)	ND (9.3)	ND (9.0)	ND (9.3)	ND (8.6)
Indeno[1,2,3-cd]pyrene	ug/kg	500	500	16.8 J	295	132	ND (11)	210	ND (12)	687	970	772
Isophorone	ug/kg	-	-	ND (9.0)	ND (8.6)	ND (8.4)	ND (8.9)	ND (9.2)	ND (9.0)	ND (8.7)	ND (9.0)	ND (8.5)
2-Methylnaphthalene	ug/kg	-	-	ND (19)	ND (18)	ND (17)	ND (18)	44.4 J	ND (19)	46.1 J	46.2 J	62.1 J
2-Nitroaniline	ug/kg	-	-	ND (15)	ND (14)	ND (14)	ND (15)	ND (15)	ND (15)	ND (14)	ND (15)	ND (14)
3-Nitroaniline	ug/kg	-	-	ND (13)	ND (13)	ND (12)	ND (13)	ND (14)	ND (13)	ND (13)	ND (13)	ND (12)
4-Nitroaniline	ug/kg	-	-	ND (13)	ND (12)	ND (12)	ND (13)	ND (13)	ND (13)	ND (13)	ND (13)	ND (12)
Naphthalene	ug/kg	100000	12000	ND (9.1)	ND (8.7)	ND (8.5)	ND (9.0)	29.1 J	ND (9.2)	48.7	57.4	67.6
Nitrobenzene	ug/kg	15000	-	ND (9.7)	ND (9.3)	ND (9.0)	ND (9.5)	27.9 J	ND (9.7)	ND (9.3)	ND (9.6)	ND (8.9)
N-Nitroso-di-n-propylamine	ug/kg	-	-	ND (8.2)	ND (7.8)	ND (7.6)	ND (8.1)	ND (8.3)	ND (8.2)	ND (8.1)	ND (8.3)	ND (7.5)
N-Nitrosodiphenylamine	ug/kg	-	-	ND (20)	ND (19)	ND (19)	ND (20)	ND (20)	ND (19)	ND (20)	ND (19)	ND (18)
Phenanthrene	ug/kg	100000	100000	86.3	694	279	ND (15)	515	ND (15)	2790	3020	1790
Pyrene	ug/kg	100000	100000	98	797	329	ND (13)	1080	ND (13)	2730	3020	2270
1,2,4,5-Tetrachlorobenzene	ug/kg	-	-	ND (10)	ND (9.8)	ND (9.6)	ND (10)	ND (10)	ND (10)	ND (9.9)	ND (10)	ND (9.5)

Results exceed Unrestricted Use Criteria

Results exceeded both regulatory criteria.

ND - Compound not detected above corresponding detection limit

J - Estimated value below reporting limit

Table 2
Summary of Semi-Volatile Organic Compound
in Soil
 312 West 37th Street
 New York, NY

Client Sample ID:	NY SCO - Restricted w/CP-51 (10/10)	NY SCO - Unrestricted Use (6 NYCRR 375-6.12/06)	SB-5(3-5) JA86663-16 9/20/2011 Soil	SB-6(16-18) JA86663-21 9/20/2011 Soil	SB-6(3-5) JA86663-20 9/20/2011 Soil	SB-7(18-20) JA86663-12 9/19/2011 Soil	SB-7(2.5-4.5) JA86663-11 9/19/2011 Soil	SB-8(17-19) JA86663-14 9/19/2011 Soil	SB-8(3-5) JA86663-13 9/19/2011 Soil
GC/MS Semi-volatiles (SW846 8270D)									
2-Chlorophenol	ug/kg	-	ND (31)	ND (30)	ND (67)	ND (36)	ND (33)	ND (35)	ND (32)
4-Chloro-3-methyl phenol	ug/kg	-	ND (31)	ND (30)	ND (66)	ND (35)	ND (33)	ND (35)	ND (31)
2,4-Dichlorophenol	ug/kg	-	ND (50)	ND (48)	ND (110)	ND (57)	ND (53)	ND (56)	ND (50)
2,4-Dimethylphenol	ug/kg	-	ND (32)	ND (30)	ND (62)	ND (39)	ND (35)	ND (38)	ND (33)
2,4-Dinitrophenol	ug/kg	-	ND (38)	ND (37)	ND (81)	ND (43)	ND (40)	ND (42)	ND (38)
4,6-Dinitro-o-cresol	ug/kg	-	ND (38)	ND (37)	ND (81)	ND (43)	ND (40)	ND (42)	ND (38)
2-Methylphenol	ug/kg	100000	ND (35)	ND (34)	ND (76)	ND (40)	ND (37)	ND (39)	ND (36)
3&4-Methylphenol	ug/kg	-	ND (39)	ND (38)	ND (84)	ND (45)	ND (42)	ND (44)	ND (40)
2-Nitrophenol	ug/kg	-	ND (33)	ND (32)	ND (70)	ND (37)	ND (35)	ND (37)	ND (33)
4-Nitrophenol	ug/kg	-	ND (52)	ND (51)	ND (110)	ND (60)	ND (55)	ND (58)	ND (53)
Pentachlorophenol	ug/kg	6700	ND (53)	ND (51)	ND (110)	ND (60)	ND (56)	ND (59)	ND (54)
Phenol	ug/kg	100000	ND (32)	ND (32)	ND (70)	ND (37)	ND (34)	ND (34)	ND (33)
2,3,4,6-Tetrachlorophenol	ug/kg	-	ND (32)	ND (31)	ND (68)	ND (36)	ND (34)	ND (36)	ND (32)
2,4,5-Trichlorophenol	ug/kg	-	ND (36)	ND (35)	ND (77)	ND (41)	ND (38)	ND (40)	ND (36)
2,4,6-Trichlorophenol	ug/kg	-	ND (29)	ND (28)	ND (62)	ND (33)	ND (31)	ND (33)	ND (29)
Acenaphthene	ug/kg	100000	142	ND (8.7)	ND (19)	ND (10)	61.7	ND (10)	ND (9.1)
Acenaphthylene	ug/kg	100000	79.7	ND (9.6)	ND (21)	ND (11)	87.6	ND (11)	18.2 J
Acaphenone	ug/kg	-	ND (5.4)	ND (5.3)	ND (12)	ND (8.2)	ND (5.8)	ND (6.1)	ND (5.5)
Anthracene	ug/kg	100000	381	ND (11)	ND (23)	ND (12)	153	ND (12)	23.8 J
Atrazine	ug/kg	-	ND (6.1)	ND (5.9)	ND (13)	ND (7.0)	ND (6.4)	ND (6.8)	ND (6.2)
Benzo(a)anthracene	ug/kg	1000	1020	ND (9.8)	ND (22)	ND (12)	511	ND (11)	112
Benzo(a)pyrene	ug/kg	1000	694	ND (9.2)	ND (20)	ND (11)	496	ND (11)	106
Benzo(b)fluoranthene	ug/kg	1000	575	ND (10)	ND (22)	ND (12)	529	ND (12)	113
Benzo(g,h,i)perylene	ug/kg	100000	410	ND (11)	137	ND (13)	370	ND (13)	100
Benzo(k)fluoranthene	ug/kg	3900	802	ND (11)	ND (23)	ND (13)	362	ND (13)	89.7
4-Bromophenyl phenyl ether	ug/kg	-	ND (11)	ND (11)	ND (24)	ND (13)	ND (12)	ND (13)	ND (11)
Butyl benzyl phthalate	ug/kg	-	ND (18)	ND (17)	ND (38)	ND (20)	ND (19)	ND (20)	ND (18)
1,1-Biphenyl	ug/kg	-	16.7 J	ND (3.5)	ND (7.7)	ND (4.1)	ND (3.8)	ND (4.0)	ND (3.6)
Benzaldehyde	ug/kg	-	ND (7.1)	ND (6.9)	ND (15)	ND (8.1)	ND (7.5)	ND (8.0)	ND (7.2)
2-Chloronaphthalene	ug/kg	-	ND (9.6)	ND (9.3)	ND (21)	ND (11)	ND (10)	ND (11)	ND (9.7)
4-Chloroaniline	ug/kg	-	ND (9.9)	ND (9.6)	ND (21)	ND (11)	ND (10)	ND (11)	ND (10)
Carbazole	ug/kg	-	128	ND (14)	ND (31)	ND (16)	155	ND (16)	ND (15)
Caprolactam	ug/kg	-	ND (9.7)	ND (9.5)	ND (21)	ND (11)	ND (10)	ND (11)	ND (9.9)
Chrysene	ug/kg	3900	1120	ND (10)	57.7 J	ND (12)	630	ND (12)	140
bis(2-Chloroethoxy)methane	ug/kg	-	ND (12)	ND (12)	ND (27)	ND (14)	ND (13)	ND (14)	ND (13)
bis(2-Chloroethyl)ether	ug/kg	-	ND (9.3)	ND (9.0)	ND (20)	ND (11)	ND (9.8)	ND (10)	ND (9.4)
bis(2-Chloroisopropyl)ether	ug/kg	-	ND (9.2)	ND (8.9)	ND (20)	ND (11)	ND (9.7)	ND (10)	ND (9.3)
4-Chlorophenyl phenyl ether	ug/kg	-	ND (9.3)	ND (9.0)	ND (20)	ND (11)	ND (9.8)	ND (10)	ND (9.4)
2,4-Dinitrotoluene	ug/kg	-	ND (13)	ND (13)	ND (29)	ND (15)	ND (14)	ND (15)	ND (14)
2,6-Dinitrotoluene	ug/kg	-	ND (12)	ND (11)	ND (25)	ND (13)	ND (12)	ND (13)	ND (12)
3,3'-Dichlorobenzidine	ug/kg	-	ND (7.8)	ND (7.6)	ND (17)	ND (9.0)	ND (8.3)	ND (8.8)	ND (8.0)
Dibenzo(a,h)anthracene	ug/kg	330	190	ND (10)	ND (23)	ND (12)	124	ND (12)	29.6 J
Dibenzofuran	ug/kg	59000	55.4 J	ND (8.9)	ND (20)	ND (11)	50.0 J	ND (10)	ND (9.3)
Di-n-butyl phthalate	ug/kg	-	80.7	ND (6.7)	ND (15)	ND (7.9)	ND (7.3)	ND (7.7)	105
Di-n-octyl phthalate	ug/kg	-	ND (15)	ND (15)	ND (32)	ND (17)	ND (16)	ND (17)	ND (15)
Diethyl phthalate	ug/kg	-	ND (11)	ND (10)	ND (23)	ND (12)	ND (11)	ND (12)	ND (11)
Dimethyl phthalate	ug/kg	-	86.4	ND (9.5)	ND (23)	51.2 J	57.2 J	80.4	61.6 J
bis(2-Ethylhexyl)phthalate	ug/kg	-	264	ND (27)	71.8 J	ND (31)	ND (29)	ND (31)	ND (28)
Fluoranthene	ug/kg	100000	1460	ND (13)	ND (29)	ND (16)	1070	ND (15)	176
Fluorene	ug/kg	100000	155	ND (9.8)	ND (22)	ND (12)	72.4	ND (11)	ND (10)
Hexachlorobenzene	ug/kg	1200	330	ND (10)	ND (22)	ND (12)	ND (11)	ND (11)	ND (10)
Hexachlorobutadiene	ug/kg	-	ND (8.6)	ND (8.3)	ND (18)	ND (9.8)	ND (9.1)	ND (9.6)	ND (8.7)
Hexachlorocyclopentadiene	ug/kg	-	ND (31)	ND (31)	ND (68)	ND (36)	ND (33)	ND (35)	ND (32)
Hexachloroethane	ug/kg	-	ND (8.6)	ND (8.3)	ND (18)	ND (9.8)	ND (9.1)	ND (9.6)	ND (8.7)
Indeno(1,2,3-cd)pyrene	ug/kg	500	379	ND (10)	43.3 J	ND (12)	324	ND (12)	71.3
Isophorone	ug/kg	-	ND (8.3)	ND (8.1)	ND (18)	ND (9.5)	ND (8.8)	ND (9.3)	ND (8.4)
2-Methylnaphthalene	ug/kg	-	51.7 J	ND (17)	ND (37)	ND (20)	28.8 J	ND (19)	17.5 J
2-Nitroaniline	ug/kg	-	ND (14)	ND (13)	ND (29)	ND (16)	ND (14)	ND (15)	ND (14)
3-Nitroaniline	ug/kg	-	ND (12)	ND (12)	ND (27)	ND (14)	ND (13)	ND (14)	ND (13)
4-Nitroaniline	ug/kg	-	ND (12)	ND (12)	ND (28)	ND (14)	ND (13)	ND (13)	ND (12)
Naphthalene	ug/kg	100000	18.3	ND (8.2)	ND (18)	ND (8.7)	60.5	ND (9.4)	14.5 J
Nitrobenzene	ug/kg	15000	ND (8.9)	ND (8.7)	ND (19)	ND (9.7)	ND (8.4)	ND (9.1)	ND (8.1)
N-Nitroso-d,n-propylamine	ug/kg	-	ND (7.5)	ND (7.3)	ND (16)	ND (8.6)	ND (8.0)	ND (8.4)	ND (7.6)
N-Nitrosodiphenylamine	ug/kg	-	ND (18)	ND (18)	ND (40)	ND (21)	ND (20)	ND (21)	ND (19)
Phenanthrene	ug/kg	100000	1830	ND (14)	ND (30)	ND (16)	989	ND (16)	117
Pyrene	ug/kg	100000	1880	ND (12)	32.7 J	ND (14)	1060	14.3 J	193
1,2,4,5-Tetrachlorobenzene	ug/kg	-	ND (9.5)	ND (9.2)	ND (20)	ND (11)	ND (10)	ND (11)	ND (9.6)

Results exceed Unrestricted Use Criteria

Results exceeded both regulatory criteria.

ND - Compound not detected above corresponding detection limit

J - Estimated value below reporting limit

Table 3
Summary of Metals
in Soil
 312 West 37th Street
 New York, NY

Client Sample ID:		NY SCO - Restricted w/CP-51 (10/10) (6 NYCRR 375-6 12/06)	NY SCO - Unrestricted Use (6 NYCRR 375-6 12/06)	DUP JA86663-15 9/19/2011 Soil	SB-1(16-18) JA86663-3 9/19/2011 Soil	SB-1(3-5) JA86663-1 9/19/2011 Soil	SB-2(16-18) JA86663-9 9/19/2011 Soil	SB-2(2.5-4.5) JA86663-8 9/19/2011 Soil
Lab Sample ID:								
Date Sampled:								
Matrix:								
Metals Analysis								
Aluminum	mg/kg		-	8950	7640	5520	6060	5740
Antimony	mg/kg		-	<2.3	<2.2	<2.2	<2.4	<2.4
Arsenic	mg/kg	16	13	4.4	<2.2	8.3	<2.4	9.1
Barium	mg/kg	400	350	74.5	76.3	425	40.4	975
Beryllium	mg/kg	72	7.2	0.43	0.46	0.35	0.38	0.33
Cadmium	mg/kg	4.3	2.5	<0.58	<0.55	0.94	<0.60	1
Calcium	mg/kg		-	2310	2080	59400	1400	18600
Chromium	mg/kg	-	-	13.9	22.4	13.7	12.9	14
Cobalt	mg/kg		-	6.7	5.6	<5.5	<6.0	<6.0
Copper	mg/kg	270	50	19.5	14	20.9	6.9	33.3
Iron	mg/kg		-	16300	12200	9900	10500	10500
Lead	mg/kg	400	63	154	14.7	371	7.4	1070
Magnesium	mg/kg	-	-	3300	3080	3460	2740	1690
Manganese	mg/kg	2000	1600	223	186	328	84.8	379
Mercury	mg/kg	0.81	0.18	1.5	0.099	0.59	<0.038	0.71
Nickel	mg/kg	310	30	14.7	14	11.7	10.2	17.6
Potassium	mg/kg	-	-	<1200	1870	1280	1440	<1200
Selenium	mg/kg	180	3.9	<2.3	<2.2	2.7	<2.4	<2.4
Silver	mg/kg	180	2	<0.58	<0.55	<0.55	<0.60	<0.60
Sodium	mg/kg	-	-	<1200	<1100	<1100	<1200	<1200
Thallium	mg/kg		-	<1.2	<1.1	<1.1	<1.2	<1.2
Vanadium	mg/kg		-	16.1	20.4	18.5	14.9	18
Zinc	mg/kg	10000	109	55.2	25.9	195	23.7	462

General Chemistry

Solids, Percent	%	-		85.3	88.8	91.5	86.3	83.9
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Results exceed Unrestricted Use Criteria.
Results exceed both regulatory criteria.

ND - Compound not detected above corresponding detection limit

J - Estimated value below reporting limit

Table 3
Summary of Metals
in Soil
312 West 37th Street
New York, NY

Client Sample ID:		NY SCO - Restricted w/CP-51 (10/10) (6 NYCRR 375-6 12/06)	NY SCO - Unrestricted Use (6 NYCRR 375-6 12/06)	SB-3(16-18) JA86663-7 9/19/2011 Soil	SB-3(3-5) JA86663-6 9/19/2011 Soil	SB-4(16-18) JA86663-5 9/19/2011 Soil	SB-4(3-5) JA86663-4 9/19/2011 Soil	SB-5(16-18) JA86663-17 9/20/2011 Soil
Lab Sample ID:								
Date Sampled:								
Matrix:								
Metals Analysis								
Aluminum	mg/kg		-	8840	5730	7110	3330	8790
Antimony	mg/kg		-	<2.3	<2.2	<2.3	<2.2	<2.1
Arsenic	mg/kg	16	13	7.5	5	3.1	5.7	<2.1
Barium	mg/kg	400	350	52.3	458	186	148	71.7
Beryllium	mg/kg	72	7.2	0.52	0.31	0.34	0.28	0.48
Cadmium	mg/kg	4.3	2.5	<0.58	0.61	<0.57	<0.56	<0.52
Calcium	mg/kg		-	1160	44600	33500	16900	3250
Chromium	mg/kg	-	-	16.6	13.8	16.7	10	25.4
Cobalt	mg/kg		-	<5.8	<5.6	<5.7	<5.6	5.7
Copper	mg/kg	270	50	15.5	24.1	14.5	47.5	21.3
Iron	mg/kg		-	23800	9530	12400	8330	13300
Lead	mg/kg	400	63	8.4	1070	277	357	13.9
Magnesium	mg/kg	-	-	2670	3090	3210	1260	3290
Manganese	mg/kg	2000	1600	114	295	207	173	270
Mercury	mg/kg	0.81	0.18	<0.038	0.61	0.23	0.36	<0.036
Nickel	mg/kg	310	30	12.9	12.5	11.7	13	19.9
Potassium	mg/kg	-	-	<1200	1180	1310	<1100	1980
Selenium	mg/kg	180	3.9	<2.3	<2.2	<2.3	<2.2	<2.1
Silver	mg/kg	180	2	<0.58	<0.56	<0.57	<0.56	<0.52
Sodium	mg/kg	-	-	<1200	<1100	<1100	<1100	<1000
Thallium	mg/kg		-	<1.2	<1.1	<1.1	<1.1	<1.0
Vanadium	mg/kg		-	20.7	16	19.4	18.1	20.9
Zinc	mg/kg	10000	109	45.7	371	120	147	33.1

General Chemistry

Solids, Percent	%	-		85.1	88.7	85.7	90.5	92.4
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Results exceed Unrestricted Use Criteria.

Results exceed both regulatory criteria.

ND - Compound not detected above corresponding detection limit

J - Estimated value below reporting limit

Table 3
Summary of Metals
in Soil
312 West 37th Street
New York, NY

Client Sample ID:		NY SCO - Restricted w/CP-51 (10/10) (6 NYCRR 375-6 12/06)	NY SCO - Unrestricted Use (6 NYCRR 375-6 12/06)	SB-5(3-5) JA86663-16 9/20/2011 Soil	SB-6(16-18) JA86663-21 9/20/2011 Soil	SB-6(3-5) JA86663-20 9/20/2011 Soil	SB-7(18-20) JA86663-12 9/19/2011 Soil	SB-7(2.5-4.5) JA86663-11 9/19/2011 Soil
Lab Sample ID:								
Date Sampled:								
Matrix:								
Metals Analysis								
Aluminum	mg/kg		-	2810	3670	2180	5490	4710
Antimony	mg/kg		-	<2.1	<2.1	5	<2.4	<2.2
Arsenic	mg/kg	16	13	5.1	3.3	5.9	<2.4	9.8
Barium	mg/kg	400	350	57.4	40	69.7	30	394
Beryllium	mg/kg	72	7.2	0.29	0.27	0.28	0.34	0.36
Cadmium	mg/kg	4.3	2.5	0.98	<0.52	<0.58	<0.60	1.1
Calcium	mg/kg		-	33300	1260	12300	864	13600
Chromium	mg/kg	-	-	9.5	14	7.1	25.4	17.2
Cobalt	mg/kg		-	<5.3	<5.2	<5.8	<6.0	<5.6
Copper	mg/kg	270	50	20.2	8.3	67	11.1	88.9
Iron	mg/kg		-	5920	9970	6310	8870	12800
Lead	mg/kg	400	63	121	2.9	515	4	1140
Magnesium	mg/kg	-	-	1020	1630	6270	1670	4240
Manganese	mg/kg	2000	1600	81.9	300	70.1	281	312
Mercury	mg/kg	0.81	0.18	0.13	<0.035	0.22	<0.041	1.6
Nickel	mg/kg	310	30	21.3	10.8	10.4	9	18.1
Potassium	mg/kg	-	-	<1100	<1000	<1200	<1200	<1100
Selenium	mg/kg	180	3.9	<2.1	<2.1	<2.3	<2.4	<2.2
Silver	mg/kg	180	2	<0.53	<0.52	<0.58	<0.60	0.69
Sodium	mg/kg	-	-	<1100	<1000	<1200	<1200	<1100
Thallium	mg/kg		-	<1.1	<1.0	<1.2	<1.2	<1.1
Vanadium	mg/kg		-	17.4	15	21	18.3	18.9
Zinc	mg/kg	10000	109	101	12.9	37.5	14.5	520

General Chemistry

Solids, Percent	%	-		92.7	95.2	86.1	80.8	87.4
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Results exceed Unrestricted Use Criteria.

Results exceed both regulatory criteria.

ND - Compound not detected above corresponding detection limit

J - Estimated value below reporting limit

Table 3
Summary of Metals
in Soil
 312 West 37th Street
 New York, NY

Client Sample ID:		NY SCO - Restricted w/CP-51 (10/10) (6 NYCRR 375-6 12/06)	NY SCO - Unrestricted Use (6 NYCRR 375-6 12/06)	SB-8(17-19) JA86663-14 9/19/2011 Soil	SB-8(3-5) JA86663-13 9/19/2011 Soil
Lab Sample ID:					
Date Sampled:					
Matrix:					
Metals Analysis					
Aluminum	mg/kg		-	6370	4350
Antimony	mg/kg		-	<2.3	<2.1
Arsenic	mg/kg	16	13	2.8	6.4
Barium	mg/kg	400	350	52.3	164
Beryllium	mg/kg	72	7.2	0.34	0.4
Cadmium	mg/kg	4.3	2.5	<0.58	<0.53
Calcium	mg/kg		-	1700	17600
Chromium	mg/kg	-	-	10.6	17.1
Cobalt	mg/kg		-	<5.8	<5.3
Copper	mg/kg	270	50	11	42.2
Iron	mg/kg		-	22400	9940
Lead	mg/kg	400	63	6	160
Magnesium	mg/kg	-	-	2320	2010
Manganese	mg/kg	2000	1600	209	92.6
Mercury	mg/kg	0.81	0.18	<0.040	0.17
Nickel	mg/kg	310	30	12.7	15.5
Potassium	mg/kg	-	-	<1200	<1100
Selenium	mg/kg	180	3.9	<2.3	<2.1
Silver	mg/kg	180	2	<0.58	0.77
Sodium	mg/kg	-	-	<1200	<1100
Thallium	mg/kg		-	<1.2	<1.1
Vanadium	mg/kg		-	14.2	18.5
Zinc	mg/kg	10000	109	45.8	103

General Chemistry

Solids, Percent	%	-		82.6	91.2
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Results exceed Unrestricted Use Criteria.

Results exceed both regulatory criteria.

ND - Compound not detected above corresponding detection limit

J - Estimated value below reporting limit

Table 4
Summary of PCBs
in Soil
 312 West 37th Street
 New York, NY

Client Sample ID: Lab Sample ID: Date Sampled: Matrix:	NY SCO - Restricted w/CP-51 (10/10) (6 NYCRR 375-6 12/06)	NY SCO - Unrestricted Use (6 NYCRR 375-6 12/06)	DUP JA86663-15 9/19/2011 Soil	SB-1(16-18) JA86663-3 9/19/2011 Soil	SB-1(3-5) JA86663-1 9/19/2011 Soil	SB-2(16-18) JA86663-9 9/19/2011 Soil	SB-2(2.5-4.5) JA86663-8 9/19/2011 Soil	SB-3(16-18) JA86663-7 9/19/2011 Soil	
GC Semi-volatiles (SW846 8082A)									
Aroclor 1016	ug/kg	1000	100	ND (9.0)	ND (8.6)	ND (8.4)	ND (8.9)	ND (9.1)	ND (9.0)
Aroclor 1221	ug/kg	1000	100	ND (21)	ND (20)	ND (19)	ND (21)	ND (21)	ND (21)
Aroclor 1232	ug/kg	1000	100	ND (17)	ND (17)	ND (16)	ND (17)	ND (18)	ND (17)
Aroclor 1242	ug/kg	1000	100	ND (11)	ND (11)	ND (10)	ND (11)	ND (11)	ND (11)
Aroclor 1248	ug/kg	1000	100	ND (10)	ND (10)	ND (9.8)	ND (10)	ND (11)	ND (11)
Aroclor 1254	ug/kg	1000	100	ND (16)	ND (16)	ND (15)	ND (16)	ND (16)	ND (16)
Aroclor 1260	ug/kg	1000	100	ND (11)	ND (11)	ND (11)	ND (11)	ND (11)	ND (11)
Aroclor 1268	ug/kg	1000	100	ND (10)	ND (9.7)	ND (9.5)	ND (10)	ND (10)	ND (10)
Aroclor 1262	ug/kg	1000	100	ND (11)	ND (11)	ND (10)	ND (11)	ND (11)	ND (11)

Results exceed Unrestricted Use criteria.

ND - Compound not detected above corresponding detection limit
 J - Estimated value below reporting limit

Table 4
Summary of PCBs
in Soil
 312 West 37th Street
 New York, NY

Client Sample ID:	NY SCO - Restricted w/CP-51 (10/10) (6 NYCRR 375-6 12/06)	NY SCO - Unrestricted Use (6 NYCRR 375-6 12/06)	SB-3(3-5) JA86663-6 9/19/2011 Soil	SB-4(16-18) JA86663-5 9/19/2011 Soil	SB-4(3-5) JA86663-4 9/19/2011 Soil	SB-5(16-18) JA86663-17 9/20/2011 Soil	SB-5(3-5) JA86663-16 9/20/2011 Soil	SB-6(16-18) JA86663-21 9/20/2011 Soil	SB-6(3-5) JA86663-20 9/20/2011 Soil	
GC Semi-volatiles (SW846 8082A)										
Aroclor 1016	ug/kg	1000	100	ND (8.6)	ND (8.9)	ND (8.4)	ND (8.3)	ND (8.2)	ND (8.0)	ND (8.9)
Aroclor 1221	ug/kg	1000	100	ND (20)	ND (21)	ND (20)	ND (19)	ND (19)	ND (19)	ND (21)
Aroclor 1232	ug/kg	1000	100	ND (17)	ND (17)	ND (16)	ND (16)	ND (16)	ND (16)	ND (17)
Aroclor 1242	ug/kg	1000	100	ND (11)	ND (11)	ND (10)	ND (10)	ND (10)	ND (9.8)	ND (11)
Aroclor 1248	ug/kg	1000	100	ND (10)	ND (10)	ND (9.9)	ND (9.7)	ND (9.6)	ND (9.4)	ND (10)
Aroclor 1254	ug/kg	1000	100	ND (16)	ND (16)	ND (15)	ND (15)	ND (15)	ND (14)	ND (16)
Aroclor 1260	ug/kg	1000	100	ND (11)	ND (11)	ND (11)	ND (10)	113	66.4	68.9
Aroclor 1268	ug/kg	1000	100	ND (9.7)	ND (10)	ND (9.6)	ND (9.4)	ND (9.3)	ND (9.1)	ND (10)
Aroclor 1262	ug/kg	1000	100	ND (11)	ND (11)	ND (10)	ND (10)	ND (10)	ND (9.8)	ND (11)

Results exceed Unrestricted Use criteria.

ND - Compound not detected above corresponding detection limit

J - Estimated value below reporting limit

Table 4
Summary of PCBs
in Soil
 312 West 37th Street
 New York, NY

Client Sample ID:		NY SCO - Restricted	NY SCO - Unrestricted	SB-7(18-20)	SB-7(2.5-4.5)	SB-8(17-19)	SB-8(3-5)
Lab Sample ID:		w/CP-51 (10/10)	Use	JA86663-12	JA86663-11	JA86663-14	JA86663-13
Date Sampled:		(6 NYCRR 375-6	(6 NYCRR	9/19/2011	9/19/2011	9/19/2011	9/19/2011
Matrix:		12/06)	375-6 12/06)	Soil	Soil	Soil	Soil
GC Semi-volatiles (SW846 8082A)							
Aroclor 1016	ug/kg	1000	100	ND (9.5)	ND (8.7)	ND (9.3)	ND (8.4)
Aroclor 1221	ug/kg	1000	100	ND (22)	ND (20)	ND (21)	ND (19)
Aroclor 1232	ug/kg	1000	100	ND (18)	ND (17)	ND (18)	ND (16)
Aroclor 1242	ug/kg	1000	100	ND (12)	ND (11)	ND (11)	ND (10)
Aroclor 1248	ug/kg	1000	100	ND (11)	ND (10)	ND (11)	ND (9.8)
Aroclor 1254	ug/kg	1000	100	ND (17)	ND (16)	ND (17)	ND (15)
Aroclor 1260	ug/kg	1000	100	ND (12)	ND (11)	ND (12)	422
Aroclor 1268	ug/kg	1000	100	ND (11)	ND (9.9)	ND (10)	ND (9.5)
Aroclor 1262	ug/kg	1000	100	ND (12)	ND (11)	ND (11)	ND (10)

Results exceed Unrestricted Use criteria.

ND - Compound not detected above corresponding detection limit

J - Estimated value below reporting limit

Table 5
Summary of Pesticides
in Soil
312 West 37th Street
New York, NY

Client Sample ID:	NY SCO - Restricted w/CP-51 (10/10) (6 NYCRR 375-6 12/06)	NY SCO - Unrestricted Use (6 NYCRR 375-6 12/06)	DUP JA86663-15 9/19/2011 Soil	SB-1(16-18) JA86663-3 9/19/2011 Soil	SB-1(3-5) JA86663-1 9/19/2011 Soil	SB-2(16-18) JA86663-9 9/19/2011 Soil	SB-2(2.5-4.5) JA86663-8 9/19/2011 Soil	SB-3(16-18) JA86663-7 9/19/2011 Soil	SB-3(3-5) JA86663-6 9/19/2011 Soil	SB-4(16-18) JA86663-5 9/19/2011 Soil	
GC Semi-volatiles (SW846 8081B)											
Aldrin	ug/kg	97	5	ND (0.34)	ND (0.33)	ND (0.32)	ND (0.34)	ND (0.35)	ND (0.34)	ND (0.33)	ND (0.34)
alpha-BHC	ug/kg	480	20	ND (0.52)	ND (0.50)	ND (0.48)	ND (0.51)	ND (0.53)	ND (0.52)	ND (0.50)	ND (0.51)
beta-BHC	ug/kg	360	36	ND (0.48)	ND (0.47)	ND (0.45)	ND (0.48)	ND (0.49)	ND (0.47)	ND (0.47)	ND (0.48)
delta-BHC	ug/kg	100000	40	ND (0.40)	ND (0.39)	ND (0.38)	ND (0.40)	ND (0.41)	ND (0.40)	ND (0.39)	ND (0.40)
gamma-BHC (Lindane)	ug/kg	1300	100	ND (0.31)	ND (0.30)	ND (0.29)	ND (0.31)	ND (0.32)	ND (0.32)	ND (0.30)	ND (0.31)
alpha-Chlordane	ug/kg	4200	94	ND (0.45)	ND (0.43)	ND (0.42)	ND (0.44)	ND (0.46)	ND (0.45)	2.2 ^a	ND (0.45)
gamma-Chlordane	ug/kg	-	-	ND (0.35)	ND (0.34)	ND (0.33)	ND (0.35)	ND (0.36)	ND (0.35)	1.8 ^b	ND (0.35)
Dieldrin	ug/kg	200	5	ND (0.53)	ND (0.51)	ND (0.50)	ND (0.53)	ND (0.54)	ND (0.54)	ND (0.51)	ND (0.53)
4,4'-DDD	ug/kg	13000	3.3	ND (0.35)	ND (0.34)	ND (0.33)	ND (0.35)	ND (0.36)	1.7	ND (0.34)	ND (0.35)
4,4'-DDE	ug/kg	8900	3.3	ND (0.41)	ND (0.39)	ND (0.38)	ND (0.40)	ND (0.41)	15.7	ND (0.39)	ND (0.40)
4,4'-DDT	ug/kg	7900	3.3	ND (0.51)	ND (0.49)	1.9	ND (0.50)	2.0 ^b	22.3	ND (0.49)	ND (0.50)
Endrin	ug/kg	11000	14	ND (0.35)	ND (0.34)	ND (0.33)	ND (0.35)	ND (0.36)	ND (0.35)	ND (0.34)	ND (0.35)
Endosulfan sulfate	ug/kg	24000	2400	ND (0.62)	ND (0.60)	ND (0.58)	ND (0.62)	ND (0.63)	ND (0.63)	ND (0.60)	ND (0.62)
Endrin aldehyde	ug/kg	-	-	ND (0.65)	ND (0.63)	ND (0.61)	ND (0.65)	ND (0.66)	ND (0.66)	ND (0.63)	ND (0.65)
Endosulfan-I	ug/kg	24000	2400	ND (0.33)	ND (0.32)	ND (0.31)	ND (0.33)	ND (0.34)	ND (0.33)	ND (0.32)	ND (0.33)
Endosulfan-II	ug/kg	24000	2400	ND (0.45)	ND (0.44)	ND (0.42)	ND (0.45)	ND (0.46)	ND (0.46)	ND (0.44)	ND (0.45)
Heptachlor	ug/kg	2100	42	ND (0.42)	ND (0.41)	ND (0.39)	ND (0.42)	ND (0.43)	ND (0.42)	ND (0.41)	ND (0.42)
Heptachlor epoxide	ug/kg	-	-	ND (0.34)	ND (0.33)	ND (0.32)	ND (0.34)	ND (0.35)	ND (0.34)	ND (0.33)	ND (0.34)
Methoxychlor	ug/kg	-	-	ND (0.49)	ND (0.47)	ND (0.45)	ND (0.48)	ND (0.49)	ND (0.49)	ND (0.47)	ND (0.48)
Endrin ketone	ug/kg	-	-	ND (0.45)	ND (0.43)	ND (0.42)	ND (0.44)	ND (0.46)	ND (0.45)	ND (0.43)	ND (0.45)
Toxaphene	ug/kg	-	-	ND (8.7)	ND (8.3)	ND (8.1)	ND (8.6)	ND (8.8)	ND (8.7)	ND (8.4)	ND (8.6)

Results exceed Unrestricted Use regulatory criteria.

ND - Compound not detected above corresponding detection limit
J - Estimated value below reporting limit

Table 5
Summary of Pesticides
in Soil
312 West 37th Street
New York, NY

Client Sample ID:	NY SCO - Restricted w/CP-51 (10/10) (6 NYCRR 375-6 12/06)	NY SCO - Unrestricted Use (6 NYCRR 375-6 12/06)	SB-4(3-5) JA86663-4 9/19/2011 Soil	SB-5(16-18) JA86663-17 9/20/2011 Soil	SB-5(3-5) JA86663-16 9/20/2011 Soil	SB-6(16-18) JA86663-21 9/20/2011 Soil	SB-6(3-5) JA86663-20 9/20/2011 Soil	SB-7(18-20) JA86663-12 9/19/2011 Soil	SB-7(2.5-4.5) JA86663-11 9/19/2011 Soil	SB-8(17-19) JA86663-14 9/19/2011 Soil	SB-8(3-5) JA86663-13 9/19/2011 Soil	
GC Semi-volatiles (SW846 8081B)												
Aldrin	ug/kg	97	5	ND (0.32)	ND (0.32)	ND (0.32)	ND (0.31)	ND (0.34)	ND (0.36)	ND (0.34)	ND (0.36)	ND (0.32)
alpha-BHC	ug/kg	480	20	ND (0.49)	ND (0.48)	ND (0.48)	ND (0.46)	ND (0.51)	ND (0.55)	ND (0.50)	ND (0.53)	ND (0.48)
beta-BHC	ug/kg	360	36	ND (0.46)	ND (0.45)	ND (0.45)	ND (0.43)	ND (0.48)	ND (0.51)	ND (0.47)	ND (0.50)	ND (0.45)
delta-BHC	ug/kg	100000	40	ND (0.38)	ND (0.37)	ND (0.37)	ND (0.36)	ND (0.40)	ND (0.43)	ND (0.39)	ND (0.42)	ND (0.38)
gamma-BHC (Lindane)	ug/kg	1300	100	ND (0.30)	ND (0.29)	ND (0.29)	ND (0.28)	ND (0.31)	ND (0.33)	ND (0.31)	ND (0.32)	ND (0.29)
alpha-Chlordane	ug/kg	4200	94	ND (0.42)	ND (0.41)	ND (0.41)	ND (0.40)	ND (0.44)	ND (0.47)	ND (0.44)	ND (0.46)	ND (0.42)
gamma-Chlordane	ug/kg	-	-	ND (0.33)	ND (0.33)	ND (0.32)	ND (0.32)	ND (0.35)	ND (0.37)	ND (0.34)	ND (0.36)	ND (0.33)
Dieldrin	ug/kg	200	5	ND (0.50)	ND (0.49)	ND (0.49)	ND (0.48)	ND (0.53)	ND (0.56)	ND (0.52)	ND (0.55)	ND (0.50)
4,4'-DDD	ug/kg	13000	3.3	ND (0.33)	ND (0.33)	ND (0.32)	ND (0.32)	ND (0.35)	ND (0.37)	ND (0.34)	ND (0.36)	ND (0.33)
4,4'-DDE	ug/kg	8900	3.3	ND (0.38)	ND (0.38)	4.7	ND (0.36)	ND (0.40)	ND (0.43)	ND (0.40)	ND (0.42)	ND (0.38)
4,4'-DDT	ug/kg	7900	3.3	3.4 ^b	ND (0.47)	15.9	ND (0.45)	ND (0.50)	ND (0.53)	ND (0.49)	ND (0.52)	ND (0.47)
Endrin	ug/kg	11000	14	ND (0.33)	ND (0.33)	ND (0.32)	ND (0.32)	ND (0.35)	ND (0.37)	ND (0.34)	ND (0.36)	ND (0.33)
Endosulfan sulfate	ug/kg	24000	2400	2	ND (0.58)	3.8	ND (0.56)	2.8	ND (0.66)	ND (0.61)	ND (0.64)	ND (0.58)
Endrin aldehyde	ug/kg	-	-	ND (0.62)	ND (0.60)	ND (0.60)	5.1	5	ND (0.69)	ND (0.64)	ND (0.68)	ND (0.61)
Endosulfan-I	ug/kg	24000	2400	ND (0.31)	ND (0.31)	ND (0.31)	ND (0.30)	ND (0.33)	ND (0.35)	ND (0.33)	ND (0.34)	ND (0.31)
Endosulfan-II	ug/kg	24000	2400	ND (0.43)	ND (0.42)	ND (0.42)	ND (0.41)	ND (0.45)	ND (0.48)	ND (0.44)	ND (0.47)	ND (0.43)
Heptachlor	ug/kg	2100	42	ND (0.40)	ND (0.39)	ND (0.39)	ND (0.38)	ND (0.42)	ND (0.45)	ND (0.41)	ND (0.44)	ND (0.40)
Heptachlor epoxide	ug/kg	-	-	ND (0.32)	ND (0.31)	ND (0.31)	ND (0.30)	ND (0.34)	ND (0.36)	ND (0.33)	ND (0.35)	ND (0.32)
Methoxychlor	ug/kg	-	-	ND (0.46)	ND (0.45)	ND (0.45)	ND (0.44)	ND (0.48)	ND (0.51)	ND (0.48)	ND (0.50)	ND (0.46)
Endrin ketone	ug/kg	-	-	ND (0.42)	ND (0.41)	ND (0.41)	ND (0.40)	ND (0.44)	ND (0.47)	ND (0.44)	ND (0.46)	ND (0.42)
Toxaphene	ug/kg	-	-	ND (8.2)	ND (8.0)	ND (8.0)	ND (7.8)	ND (8.6)	ND (9.2)	ND (8.5)	ND (9.0)	ND (8.1)

Results exceed Unrestricted Use regulatory criteria.

ND - Compound not detected above corresponding detection limit

J - Estimated value below reporting limit

Table 6
Summary of Volatile Organic Compounds in Groundwater
 312 West 37th Street
 New York, NY

Client Sample ID: Lab Sample ID: Date Sampled: Matrix:	NY TOGS Ambient Water Quality Standards - Class GA	FB092011 JA86663-23 9/20/2011 Field Blank Water	SB-2 JA86663-10 9/19/2011 Ground Water	SB-4 JA86663-2 9/19/2011 Ground Water	SB-5 JA86663-18 9/20/2011 Ground Water	SB-5-DUP JA86663-19 9/20/2011 Ground Water	SB-6 JA86663-22 9/20/2011 Ground Water	TRIP BLANK JA86663-24 9/20/2011 Trip Blank Water
GC/MS Volatiles (SW846 8260B)								
Acetone	ug/l	50	ND (7.6)	ND (7.6)	ND (7.6)	ND (7.6)	ND (7.6)	ND (7.6)
Benzene	ug/l	1	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)
Bromochloromethane	ug/l	-	ND (0.40)	ND (0.40)	ND (0.40)	ND (0.40)	ND (0.40)	ND (0.40)
Bromodichloromethane	ug/l	-	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)
Bromoform	ug/l	-	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)
Bromomethane	ug/l	5	ND (0.31)	ND (0.31)	ND (0.31)	ND (0.31)	ND (0.31)	ND (0.31)
2-Butanone (MEK)	ug/l	50	ND (2.9)	ND (2.9)	ND (2.9)	ND (2.9)	ND (2.9)	ND (2.9)
Carbon disulfide	ug/l	60	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)
Carbon tetrachloride	ug/l	5	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)
Chlorobenzene	ug/l	5	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)
Chloroethane	ug/l	50	ND (0.37)	ND (0.37)	ND (0.37)	ND (0.37)	ND (0.37)	ND (0.37)
Chloroform	ug/l	7	ND (0.21)	0.35 J	ND (0.21)	0.57 J	0.32 J	ND (0.21)
Chloromethane	ug/l	-	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)
Cyclohexane	ug/l	-	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)
1,2-Dibromo-3-chloropropane	ug/l	-	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)
Dibromochloromethane	ug/l	50	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)
1,2-Dibromoethane	ug/l	-	ND (0.21)	ND (0.21)	ND (0.21)	ND (0.21)	ND (0.21)	ND (0.21)
1,2-Dichlorobenzene	ug/l	4.7	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)
1,3-Dichlorobenzene	ug/l	5	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)
1,4-Dichlorobenzene	ug/l	5	ND (0.26)	ND (0.26)	ND (0.26)	ND (0.26)	ND (0.26)	ND (0.26)
Dichlorodifluoromethane	ug/l	-	ND (0.31)	ND (0.31)	ND (0.31)	ND (0.31)	ND (0.31)	ND (0.31)
1,1-Dichloroethane	ug/l	5	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)
1,2-Dichloroethane	ug/l	5	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)
1,1-Dichloroethene	ug/l	5	ND (0.28)	ND (0.28)	ND (0.28)	ND (0.28)	ND (0.28)	ND (0.28)
cis-1,2-Dichloroethene	ug/l	5	ND (0.22)	2.5	2.4	1.5	1.4	9.2
trans-1,2-Dichloroethene	ug/l	5	ND (0.31)	ND (0.31)	ND (0.31)	ND (0.31)	ND (0.31)	0.43 J
1,2-Dichloropropane	ug/l	1	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)
cis-1,3-Dichloropropene	ug/l	-	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)
trans-1,3-Dichloropropene	ug/l	-	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)
1,4-Dioxane	ug/l	-	ND (72)	ND (72)	ND (72)	ND (72)	ND (72)	ND (72)
Ethylbenzene	ug/l	5	ND (0.21)	ND (0.21)	ND (0.21)	ND (0.21)	ND (0.21)	ND (0.21)
Freon 113	ug/l	5	ND (0.49)	ND (0.49)	ND (0.49)	ND (0.49)	ND (0.49)	ND (0.49)
2-Hexanone	ug/l	-	ND (3.0)	ND (3.0)	ND (3.0)	ND (3.0)	ND (3.0)	ND (3.0)
Isopropylbenzene	ug/l	-	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)
Methyl Acetate	ug/l	-	ND (2.9)	ND (2.9)	ND (2.9)	ND (2.9)	ND (2.9)	ND (2.9)
Methylcyclohexane	ug/l	-	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)
Methyl Tert Butyl Ether	ug/l	10	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)
4-Methyl-2-pentanone(MIBK)	ug/l	50	ND (1.2)	ND (1.2)	ND (1.2)	ND (1.2)	ND (1.2)	ND (1.2)
Methylene chloride	ug/l	5	0.53 J	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)
Styrene	ug/l	-	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)
1,1,2,2-Tetrachloroethane	ug/l	5	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)
Tetrachloroethene	ug/l	5	ND (0.32)	0.57 J	2.2	1.7	1.4	1.2
Toluene	ug/l	5	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.15)
1,2,3-Trichlorobenzene	ug/l	-	ND (0.69)	ND (0.69)	ND (0.69)	ND (0.69)	ND (0.69)	ND (0.69)
1,2,4-Trichlorobenzene	ug/l	5	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.15)
1,1,1-Trichloroethane	ug/l	5	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)
1,1,2-Trichloroethane	ug/l	1	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)
Trichloroethene	ug/l	5	ND (0.21)	2.2	2.7	0.64 J	0.55 J	4.6
Trichlorofluoromethane	ug/l	-	ND (0.35)	ND (0.35)	ND (0.35)	ND (0.35)	ND (0.35)	ND (0.35)
Vinyl chloride	ug/l	2	ND (0.27)	ND (0.27)	ND (0.27)	ND (0.27)	1.1	ND (0.27)
m,p-Xylene	ug/l	-	ND (0.32)	ND (0.32)	ND (0.32)	ND (0.32)	ND (0.32)	ND (0.32)
o-Xylene	ug/l	-	ND (0.17)	ND (0.17)	ND (0.17)	ND (0.17)	ND (0.17)	ND (0.17)
Xylene (total)	ug/l	5	ND (0.17)	ND (0.17)	ND (0.17)	ND (0.17)	ND (0.17)	ND (0.17)

No results exceeded regulatory criteria.

ND - Compound not detected above corresponding detection limit

J - Estimated value below reporting limit

Table 7
Summary of Semi-Volatile Organic Compounds in Groundwater
 312 West 37th Street
 New York, NY

Client Sample ID:		NY TAGM Groundwater Standards/Criteria (DER TAGM #4046 1/94)	FB092011 JA86663-23 9/20/2011 Field Blank Water	SB-2 JA86663-10 9/19/2011 Ground Water	SB-4 JA86663-2 9/19/2011 Ground Water	SB-5 JA86663-18 9/20/2011 Ground Water	SB-5-DUP JA86663-19 9/20/2011 Ground Water	SB-6 JA86663-22 9/20/2011 Ground Water
GC/MS Semi-volatiles (SW846 8270D)								
2-Chlorophenol	ug/l	50	ND (0.97)	ND (0.97)	ND (0.97)	ND (0.97)	ND (0.97)	ND (0.97)
4-Chloro-3-methyl phenol	ug/l	5	ND (1.8)	ND (1.8)	ND (1.8)	ND (1.8)	ND (1.8)	ND (1.8)
2,4-Dichlorophenol	ug/l	1	ND (1.2)	ND (1.2)	ND (1.2)	ND (1.2)	ND (1.2)	ND (1.2)
2,4-Dimethylphenol	ug/l	-	ND (1.5)	ND (1.5)	ND (1.5)	ND (1.5)	ND (1.5)	ND (1.5)
2,4-Dinitrophenol	ug/l	5	ND (17)	ND (17)	ND (17)	ND (17)	ND (17)	ND (17)
4,6-Dinitro-o-cresol	ug/l	-	ND (0.99)	ND (0.99)	ND (0.99)	ND (0.99)	ND (0.99)	ND (0.99)
2-Methylphenol	ug/l	5	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
3,4-Methylphenol	ug/l	-	ND (0.93)	ND (0.93)	ND (0.93)	ND (0.93)	ND (0.93)	ND (0.93)
2-Nitrophenol	ug/l	5	ND (1.5)	ND (1.5)	ND (1.5)	ND (1.5)	ND (1.5)	ND (1.5)
4-Nitrophenol	ug/l	5	ND (5.2)	ND (5.2)	ND (5.2)	ND (5.2)	ND (5.2)	ND (5.2)
Pentachlorophenol	ug/l	1	ND (1.4)	ND (1.4)	ND (1.4)	ND (1.4)	ND (1.4)	ND (1.4)
Phenol	ug/l	1	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)
2,3,4,6-Tetrachlorophenol	ug/l	-	ND (0.94)	ND (0.94)	ND (0.94)	ND (0.94)	ND (0.94)	ND (0.94)
2,4,5-Trichlorophenol	ug/l	1	ND (1.6)	ND (1.6)	ND (1.6)	ND (1.6)	ND (1.6)	ND (1.6)
2,4,6-Trichlorophenol	ug/l	-	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)
Acenaphthene	ug/l	20	ND (0.26)	ND (0.26)	ND (0.26)	ND (0.26)	ND (0.26)	ND (0.26)
Acenaphthylene	ug/l	20	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)
Acetophenone	ug/l	-	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)
Anthracene	ug/l	50	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)
Atrazine	ug/l	-	ND (0.49)	ND (0.49)	ND (0.49)	ND (0.49)	ND (0.49)	ND (0.49)
Benzaldehyde	ug/l	-	ND (3.3)	ND (3.3)	ND (3.3)	ND (3.3)	ND (3.3)	ND (3.3)
Benzo(a)anthracene	ug/l	0.002	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)
Benzo(a)pyrene	ug/l	0.002	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)
Benzo(b)fluoranthene	ug/l	0.002	ND (0.46)	ND (0.46)	ND (0.46)	ND (0.46)	ND (0.46)	ND (0.46)
Benzo(g,h,i)perylene	ug/l	5	ND (0.32)	ND (0.32)	ND (0.32)	ND (0.32)	ND (0.32)	ND (0.32)
Benzo(k)fluoranthene	ug/l	0.002	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)
4-Bromophenyl phenyl ether	ug/l	-	ND (0.36)	ND (0.36)	ND (0.36)	ND (0.36)	ND (0.36)	ND (0.36)
Butyl benzyl phthalate	ug/l	50	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)
1,1'-Biphenyl	ug/l	-	ND (0.30)	ND (0.30)	ND (0.30)	ND (0.30)	ND (0.30)	ND (0.30)
2-Chloronaphthalene	ug/l	-	ND (0.30)	ND (0.30)	ND (0.30)	ND (0.30)	ND (0.30)	ND (0.30)
4-Chloroaniline	ug/l	5	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)
Carbazole	ug/l	-	ND (0.36)	ND (0.36)	ND (0.36)	ND (0.36)	ND (0.36)	ND (0.36)
Caprolactam	ug/l	-	ND (0.69)	ND (0.69)	ND (0.69)	ND (0.69)	ND (0.69)	ND (0.69)
Chrysene	ug/l	0.002	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)
bis(2-Chloroethoxy)methane	ug/l	-	ND (0.31)	ND (0.31)	ND (0.31)	ND (0.31)	ND (0.31)	ND (0.31)
bis(2-Chloroethyl)ether	ug/l	-	ND (0.31)	ND (0.31)	ND (0.31)	ND (0.31)	ND (0.31)	ND (0.31)
bis(2-Chloroisopropyl)ether	ug/l	-	ND (0.45)	ND (0.45)	ND (0.45)	ND (0.45)	ND (0.45)	ND (0.45)
4-Chlorophenyl phenyl ether	ug/l	-	ND (0.31)	ND (0.31)	ND (0.31)	ND (0.31)	ND (0.31)	ND (0.31)
2,4-Dinitrotoluene	ug/l	-	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.43)
2,6-Dinitrotoluene	ug/l	5	ND (0.46)	ND (0.46)	ND (0.46)	ND (0.46)	ND (0.46)	ND (0.46)
3,3'-Dichlorobenzidine	ug/l	-	ND (0.36)	ND (0.36)	ND (0.36)	ND (0.36)	ND (0.36)	ND (0.36)
Dibenzo(a,h)anthracene	ug/l	50	ND (0.38)	ND (0.38)	ND (0.38)	ND (0.38)	ND (0.38)	ND (0.38)
Dibenzofuran	ug/l	5	ND (0.27)	ND (0.27)	ND (0.27)	ND (0.27)	ND (0.27)	ND (0.27)
Di-n-butyl phthalate	ug/l	50	ND (0.56)	ND (0.56)	ND (0.56)	ND (0.56)	ND (0.56)	ND (0.56)
Di-n-octyl phthalate	ug/l	50	ND (0.31)	ND (0.31)	ND (0.31)	ND (0.31)	ND (0.31)	ND (0.31)
Diethyl phthalate	ug/l	50	ND (0.33)	2	2.3	1.3 J	1.3 J	1.2 J
Dimethyl phthalate	ug/l	50	ND (0.28)	ND (0.28)	ND (0.28)	ND (0.28)	ND (0.28)	ND (0.28)
bis(2-Ethylhexyl)phthalate	ug/l	50	ND (0.59)	3.3	ND (0.59)	4.6	ND (0.59)	ND (0.59)
Fluoranthene	ug/l	50	ND (0.32)	ND (0.32)	ND (0.32)	ND (0.32)	ND (0.32)	ND (0.32)
Fluorene	ug/l	50	ND (0.28)	ND (0.28)	ND (0.28)	ND (0.28)	ND (0.28)	ND (0.28)
Hexachlorobenzene	ug/l	0.35	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)
Hexachlorobutadiene	ug/l	-	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)
Hexachlorocyclopentadiene	ug/l	-	ND (7.1)	ND (7.1)	ND (7.1)	ND (7.1)	ND (7.1)	ND (7.1)
Hexachloroethane	ug/l	-	ND (0.55)	ND (0.55)	ND (0.55)	ND (0.55)	ND (0.55)	ND (0.55)
Indeno(1,2,3-cd)pyrene	ug/l	0.002	ND (0.37)	ND (0.37)	ND (0.37)	ND (0.37)	ND (0.37)	ND (0.37)
Isophorone	ug/l	50	ND (0.27)	ND (0.27)	ND (0.27)	ND (0.27)	ND (0.27)	ND (0.27)
2-Methylnaphthalene	ug/l	50	ND (0.38)	ND (0.38)	ND (0.38)	ND (0.38)	ND (0.38)	ND (0.38)
2-Nitroaniline	ug/l	5	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)
3-Nitroaniline	ug/l	5	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)
4-Nitroaniline	ug/l	-	ND (1.7)	ND (1.7)	ND (1.7)	ND (1.7)	ND (1.7)	ND (1.7)
Naphthalene	ug/l	10	ND (0.26)	ND (0.26)	ND (0.26)	ND (0.26)	ND (0.26)	ND (0.26)
Nitrobenzene	ug/l	5	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)
N-Nitroso-di-n-propylamine	ug/l	-	ND (0.30)	ND (0.30)	ND (0.30)	ND (0.30)	ND (0.30)	ND (0.30)
N-Nitrosodiphenylamine	ug/l	-	ND (0.31)	ND (0.31)	ND (0.31)	ND (0.31)	ND (0.31)	ND (0.31)
Phenanthrene	ug/l	50	ND (0.29)	ND (0.29)	0.49 J	ND (0.29)	ND (0.29)	ND (0.29)
Pyrene	ug/l	50	ND (0.27)	ND (0.27)	ND (0.27)	ND (0.27)	ND (0.27)	ND (0.27)
1,2,4,5-Tetrachlorobenzene	ug/l	-	ND (0.31)	ND (0.31)	ND (0.31)	ND (0.31)	ND (0.31)	ND (0.31)

No results exceeded regulatory criteria.

ND - Compound not detected above corresponding detection limit

J - Estimated value below reporting limit

Table 8
Summary of Metals in Groundwater
312 West 37th Street
New York, NY

Client Sample ID:		NYSDEC TOGS (1.1.1)	FB092011	FB092011	SB-2	SB-2	SB-4	SB-4
Lab Sample ID:		Ambient Water	JA86663-23	JA86663-23F	JA86663-10	JA86663-10F	JA86663-2	JA86663-2F
Date Sampled:		Quality Standards	9/20/2011	9/20/2011	9/19/2011	9/19/2011	9/19/2011	9/19/2011
Matrix:		and Guidance Values	Field Blank	Field Blank	Ground Water	Groundwater	Ground Water	Groundwater
		Class GA	Water	Filtered		Filtered		Filtered

Metals Analysis

Element	Unit	Standard	FB092011	FB092011	SB-2	SB-2	SB-4	SB-4
Aluminum	ug/l	NS	<200	<200	16400	<200	24400	230
Antimony	ug/l	3	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0
Arsenic	ug/l	25	<3.0	<3.0	4	<3.0	14.6	<3.0
Barium	ug/l	1000	<200	<200	355	<200	577	<200
Beryllium	ug/l	3	<1.0	<1.0	1.1	<1.0	1.4	<1.0
Cadmium	ug/l	5	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
Calcium	ug/l	NS	<5000	<5000	69600	77900	144000	151000
Chromium	ug/l	50	<10	<10	39.1	<10	49.9	<10
Cobalt	ug/l	NS	<50	<50	<50	<50	<50	<50
Copper	ug/l	200	<10	<10	52.3	<10	75.9	<10
Iron	ug/l	300	<100	<100	24100	<100	43900	194
Lead	ug/l	25	<3.0	<3.0	82.8	<3.0	138	<3.0
Magnesium	ug/l	35000	<5000	<5000	21200	18600	51400	50400
Manganese	ug/l	300	<15	<15	2510	1950	6820	6470
Mercury	ug/l	1	<0.20	<0.20	<0.80 ^b	<0.20	<0.80 ^b	<0.20
Nickel	ug/l	100	<10	<10	40.6	<10	62.4	12.6
Potassium	ug/l	NS	<10000	<10000	16900	14400	26600	24400
Selenium	ug/l	10	<10	<10	13.6	15.5	<10	<10
Silver	ug/l	50	<10	<10	<10	<10	<10	<10
Sodium	ug/l	20000	<10000	<10000	67700	79100	199000	236000
Thallium	ug/l	0.5	<10	<10	<10	<10	<10	<10
Vanadium	ug/l	NS	<50	<50	<50	<50	<50	<50
Zinc	ug/l	2000	<20	<20	69.2	<20	95.9	<20

No results exceeded regulatory criteria.

ND - Compound not detected above corresponding detection limit
J - Estimated value below reporting limit

Table 8
Summary of Metals in Groundwater
312 West 37th Street
New York, NY

Client Sample ID:		NYSDEC TOGS (1.1.1) Ambient Water	SB-5	SB-5	SB-5-DUP	SB-5-DUP	SB-6	SB-6
Lab Sample ID:		Quality Standards	JA86663-18	JA86663-18F	JA86663-19	JA86663-19F	JA86663-22	JA86663-22F
Date Sampled:		and Guidance Values	9/20/2011	9/20/2011	9/20/2011	9/20/2011	9/20/2011	9/20/2011
Matrix:		Class GA	Ground Water	Groundwater Filtered	Ground Water	Groundwater Filtered	Ground Water	Groundwater Filtered
Metals Analysis								
Aluminum	ug/l	NS	70900 ^a	243	62800 ^a	242	37700 ^a	<200
Antimony	ug/l	3	<12 ^b	<6.0	<12 ^b	<6.0	<6.0	<6.0
Arsenic	ug/l	25	14.2 ^a	<3.0	18.2 ^a	<3.0	6.1 ^a	<3.0
Barium	ug/l	1000	957 ^b	<200	946 ^b	<200	711	<200
Beryllium	ug/l	3	5.2 ^b	<1.0	4.4 ^b	<1.0	2.7	<1.0
Cadmium	ug/l	5	<6.0 ^b	<3.0	<6.0 ^b	<3.0	<3.0	<3.0
Calcium	ug/l	NS	425000 ^b	455000	434000 ^b	469000	41700	38400
Chromium	ug/l	50	113 ^b	<10	100 ^b	<10	76.3	<10
Cobalt	ug/l	NS	<100 ^b	<50	<100 ^b	<50	<50	<50
Copper	ug/l	200	213 ^b	<10	208 ^b	<10	96.6	<10
Iron	ug/l	300	103000 ^a	<100	92700 ^a	<100	58800 ^a	<100
Lead	ug/l	25	211 ^a	4.2	143 ^a	<3.0	59.3 ^a	<3.0
Magnesium	ug/l	35000	153000 ^b	145000	153000 ^b	147000	26900	13100
Manganese	ug/l	300	6950 ^b	516	7880 ^b	595	2640	677
Mercury	ug/l	1	<0.80 ^b	<0.20	<0.80 ^b	<0.20	<0.80 ^b	<0.20
Nickel	ug/l	100	162 ^b	13.4	150 ^b	14.2	82.7	<10
Potassium	ug/l	NS	38400 ^b	18600	36800 ^b	18600	23600	11900
Selenium	ug/l	10	<20 ^b	34.8	22.0 ^b	36.7	<10	<10
Silver	ug/l	50	<20 ^b	<10	<20 ^b	<10	<10	<10
Sodium	ug/l	20000	238000 ^b	256000	248000 ^b	262000	42300	46000
Thallium	ug/l	0.5	<20 ^a	<10 ^a	<20 ^a	<10 ^a	<20 ^a	<10
Vanadium	ug/l	NS	155 ^b	<50	142 ^b	<50	73.7	<50
Zinc	ug/l	2000	275 ^b	22.2	247 ^b	<20	151	<20

No results exceeded regulatory criteria.

ND - Compound not detected above corresponding detection limit
J - Estimated value below reporting limit

Table 9
PCBs in Groundwater
 312 West 37th Street, New York, NY

Client Sample ID:		NYSDEC TOGS Groundwater Standards/Criteria Class GA	FB092011	SB-2	SB-4	SB-5	SB-5-DUP	SB-6
Lab Sample ID:			JA86663-23	JA86663-10	JA86663-2	JA86663-18	JA86663-19	JA86663-22
Date Sampled:			9/20/2011	9/19/2011	9/19/2011	9/20/2011	9/20/2011	9/20/2011
Matrix:			Field Blank Water	Ground Water				
GC Semi-volatiles (SW846 8082A)								
Aroclor 1016	ug/l	0.09	ND (0.13)	ND (0.14)	ND (0.14)	ND (0.13)	ND (0.13)	ND (0.13)
Aroclor 1221	ug/l	0.09	ND (0.27)	ND (0.29)	ND (0.29)	ND (0.27)	ND (0.27)	ND (0.27)
Aroclor 1232	ug/l	0.09	ND (0.39)	ND (0.41)	ND (0.41)	ND (0.39)	ND (0.39)	ND (0.39)
Aroclor 1242	ug/l	0.09	ND (0.086)	ND (0.092)	ND (0.092)	ND (0.086)	ND (0.086)	ND (0.086)
Aroclor 1248	ug/l	0.09	ND (0.15)	ND (0.16)	ND (0.16)	ND (0.15)	ND (0.15)	ND (0.15)
Aroclor 1254	ug/l	0.09	ND (0.14)	ND (0.15)	ND (0.15)	ND (0.14)	ND (0.14)	ND (0.14)
Aroclor 1260	ug/l	0.09	ND (0.21)	ND (0.22)	ND (0.22)	ND (0.21)	ND (0.21)	ND (0.21)
Aroclor 1268	ug/l	0.09	ND (0.13)	ND (0.14)	ND (0.14)	ND (0.13)	ND (0.13)	ND (0.13)
Aroclor 1262	ug/l	0.09	ND (0.060)	ND (0.065)	ND (0.065)	ND (0.060)	ND (0.060)	ND (0.060)

No results exceeded regulatory criteria.

ND - Compound not detected above corresponding detection limit

Table 10
Pesticides in Groundwater
 312 West 37th Street
 New York, NY

Client Sample ID:		NYSDEC TOGS Groundwater	FB092011	SB-2	SB-4	SB-5	SB-5-DUP	SB-6
Lab Sample ID:		Standards/Criteria	JA86663-23	JA86663-10	JA86663-2	JA86663-18	JA86663-19	JA86663-22
Date Sampled:		Class GA	9/20/2011	9/19/2011	9/19/2011	9/20/2011	9/20/2011	9/20/2011
Matrix:			Field Blank Water	Ground Water				
GC Semi-volatiles (SW846 8081B)								
Aldrin	ug/l	-	ND (0.0095)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.0095)	ND (0.0095)
alpha-BHC	ug/l	-	ND (0.0040)	ND (0.0043)	ND (0.0043)	ND (0.0043)	ND (0.0040)	ND (0.0040)
beta-BHC	ug/l	-	ND (0.0038)	ND (0.0040)	ND (0.0040)	ND (0.0040)	ND (0.0038)	ND (0.0038)
delta-BHC	ug/l	-	ND (0.0062)	ND (0.0066)	ND (0.0066)	ND (0.0066)	ND (0.0062)	ND (0.0062)
gamma-BHC (Lindane)	ug/l	-	ND (0.0041)	ND (0.0044)	ND (0.0044)	ND (0.0044)	ND (0.0041)	ND (0.0041)
alpha-Chlordane	ug/l	-	ND (0.0050)	ND (0.0053)	ND (0.0053)	ND (0.0053)	ND (0.0050)	ND (0.0050)
gamma-Chlordane	ug/l	-	ND (0.0023)	ND (0.0025)	ND (0.0025)	ND (0.0025)	ND (0.0023)	ND (0.0023)
Dieldrin	ug/l	0.004	ND (0.0033)	ND (0.0035)	ND (0.0035)	ND (0.0035)	ND (0.0033)	ND (0.0033)
4,4'-DDD	ug/l	0.03	ND (0.0036)	ND (0.0039)	ND (0.0039)	ND (0.0039)	ND (0.0036)	ND (0.0036)
4,4'-DDE	ug/l	0.02	ND (0.0030)	ND (0.0032)	ND (0.0032)	ND (0.0032)	ND (0.0030)	ND (0.0030)
4,4'-DDT	ug/l	0.02	ND (0.0060)	0.032	0.077	0.042	ND (0.0060)	ND (0.0060)
Endrin	ug/l	-	ND (0.0064)	ND (0.0068)	ND (0.0068)	ND (0.0068)	ND (0.0064)	ND (0.0064)
Endosulfan sulfate	ug/l	0.1	ND (0.0064)	ND (0.0069)	ND (0.0069)	ND (0.0069)	ND (0.0064)	ND (0.0064)
Endrin aldehyde	ug/l	5	ND (0.0029)	ND (0.0031)	ND (0.0031)	ND (0.0031)	ND (0.0029)	ND (0.0029)
Endrin ketone	ug/l	5	ND (0.0041)	ND (0.0044)	ND (0.0044)	ND (0.0044)	ND (0.0041)	ND (0.0041)
Endosulfan-I	ug/l	-	ND (0.0030)	ND (0.0033)	ND (0.0033)	ND (0.0033)	ND (0.0030)	ND (0.0030)
Endosulfan-II	ug/l	-	ND (0.0028)	ND (0.0030)	ND (0.0030)	ND (0.0030)	ND (0.0028)	ND (0.0028)
Heptachlor	ug/l	0.04	ND (0.0084)	ND (0.0090)	ND (0.0090)	ND (0.0090)	ND (0.0084)	ND (0.0084)
Heptachlor epoxide	ug/l	0.03	ND (0.0038)	ND (0.0041)	ND (0.0041)	ND (0.0041)	ND (0.0038)	ND (0.0038)
Methoxychlor	ug/l	35	ND (0.0082)	ND (0.0088)	ND (0.0088)	ND (0.0088)	ND (0.0082)	ND (0.0082)
Toxaphene	ug/l	0.06	ND (0.15)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.15)	ND (0.15)

3 results exceeded regulatory criteria.

ND - Compound not detected above corresponding detection limit

Table 11
Soil Vapor Concentrations
312 West 37th Street
New York, NY

Client Sample ID:	Lab Sample ID:	Date Sampled:	Matrix:	NYSDOH Soil Vapor Intrusion Guidance - Decision Matrix Action Levels (2006)	AA-1	SV-1	SV-2	SV-3	SV-4	SV-5
					JA86660-6	JA86660-1	JA86660-2	JA86660-3	JA86660-4	JA86660-5
					9/20/2011	9/20/2011	9/20/2011	9/20/2011	9/20/2011	9/20/2011
					Ambient Air	Soil Vapor				
					Comp.	Comp.	Comp.	Comp.	Comp.	Comp.
GC/MS Volatiles (TO-15) - ug/m3										
Acetone	ug/m3	-	18	423	69.8	138	285	81.5		
1,3-Butadiene	ug/m3	-	ND (0.053)	ND (0.21)	ND (0.21)	ND (0.21)	ND (0.21)	ND (0.21)	ND (0.21)	ND (0.21)
Benzene	ug/m3	-	1.1	36.7	7	5.8	12	ND (0.58)		
Bromodichloromethane	ug/m3	-	ND (0.20)	ND (0.80)	ND (0.80)	ND (0.80)	ND (0.80)	ND (0.80)	ND (0.80)	ND (0.80)
Bromoforn	ug/m3	-	ND (0.38)	ND (1.6)	ND (1.6)	ND (1.6)	ND (1.6)	ND (1.6)	ND (1.6)	ND (1.6)
Bromomethane	ug/m3	-	ND (0.14)	ND (0.58)	ND (0.58)	ND (0.58)	ND (0.58)	ND (0.58)	ND (0.58)	ND (0.58)
Bromoethene	ug/m3	-	ND (0.16)	ND (0.66)	ND (0.66)	ND (0.66)	ND (0.66)	ND (0.66)	ND (0.66)	ND (0.66)
Benzyl Chloride	ug/m3	-	ND (0.21)	ND (0.82)	ND (0.82)	ND (0.82)	ND (0.82)	ND (0.82)	ND (0.82)	ND (0.82)
Carbon disulfide	ug/m3	-	ND (0.10)	15	11	11	13	5		
Chlorobenzene	ug/m3	-	ND (0.12)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)
Chloroethane	ug/m3	-	ND (0.10)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)
Chloroform	ug/m3	-	ND (0.14)	13	17	5.4	3.5 J	21		
Chloromethane	ug/m3	-	1.5	1.7	2.1	ND (0.31)	1.6 J	ND (0.31)		
3-Chloropropene	ug/m3	-	ND (0.13)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)
2-Chlorotoluene	ug/m3	-	ND (0.16)	ND (0.62)	ND (0.62)	ND (0.62)	ND (0.62)	ND (0.62)	ND (0.62)	ND (0.62)
Carbon tetrachloride	ug/m3	50	ND (0.25)	ND (1.0)	2.9 J	ND (1.0)				
Cyclohexane	ug/m3	-	0.48 J	12	13	5.2	6.9	ND (0.45)		
1,1-Dichloroethane	ug/m3	-	ND (0.11)	ND (0.45)	ND (0.45)	ND (0.45)	ND (0.45)	ND (0.45)	ND (0.45)	ND (0.45)
1,1-Dichloroethylene	ug/m3	-	ND (0.18)	ND (0.71)	ND (0.71)	ND (0.71)	ND (0.71)	ND (0.71)	ND (0.71)	ND (0.71)
1,2-Dibromoethane	ug/m3	-	ND (0.21)	ND (0.85)	ND (0.85)	ND (0.85)	ND (0.85)	ND (0.85)	ND (0.85)	ND (0.85)
1,2-Dichloroethane	ug/m3	-	ND (0.17)	ND (0.69)	ND (0.69)	ND (0.69)	ND (0.69)	ND (0.69)	ND (0.69)	ND (0.69)
1,2-Dichloropropane	ug/m3	-	ND (0.18)	ND (0.69)	ND (0.69)	ND (0.69)	ND (0.69)	ND (0.69)	ND (0.69)	ND (0.69)
1,4-Dioxane	ug/m3	-	ND (0.20)	ND (0.79)	ND (0.79)	ND (0.79)	ND (0.79)	ND (0.79)	ND (0.79)	ND (0.79)
Dichlorodifluoromethane	ug/m3	-	2.9	2.8 J	2.4 J	2.3 J	2.3 J	2.9 J		
Dibromochloromethane	ug/m3	-	ND (0.23)	ND (0.94)	ND (0.94)	ND (0.94)	ND (0.94)	ND (0.94)	ND (0.94)	ND (0.94)
trans-1,2-Dichloroethylene	ug/m3	-	ND (0.13)	ND (0.52)	ND (0.52)	ND (0.52)	ND (0.52)	ND (0.52)	ND (0.52)	ND (0.52)
cis-1,2-Dichloroethylene	ug/m3	-	ND (0.15)	ND (0.59)	ND (0.59)	2.4 J	ND (0.59)	ND (0.59)	ND (0.59)	ND (0.59)
cis-1,3-Dichloropropene	ug/m3	-	ND (0.20)	ND (0.77)	ND (0.77)	ND (0.77)	ND (0.77)	ND (0.77)	ND (0.77)	ND (0.77)
m-Dichlorobenzene	ug/m3	-	ND (0.22)	ND (0.90)	ND (0.90)	ND (0.90)	ND (0.90)	ND (0.90)	ND (0.90)	ND (0.90)
o-Dichlorobenzene	ug/m3	-	ND (0.16)	ND (0.66)	ND (0.66)	ND (0.66)	ND (0.66)	ND (0.66)	ND (0.66)	ND (0.66)
p-Dichlorobenzene	ug/m3	-	ND (0.15)	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.60)
trans-1,3-Dichloropropene	ug/m3	-	ND (0.18)	ND (0.73)	ND (0.73)	ND (0.73)	ND (0.73)	ND (0.73)	ND (0.73)	ND (0.73)
Ethanol	ug/m3	-	24.5	8.3	8.9	3.2 J	5.3	21.3		
Ethylbenzene	ug/m3	-	0.83 J	15	4.8	6.5	9.1	2.2 J		
Ethyl Acetate	ug/m3	-	4.7	19	ND (0.86)	13	ND (0.86)	60.8		
4-Ethyltoluene	ug/m3	-	1.5	5.9	3.5 J	2.3 J	3.8 J	ND (0.47)		
Freon 113	ug/m3	-	ND (0.26)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)
Freon 114	ug/m3	-	ND (0.22)	ND (0.84)	ND (0.84)	ND (0.84)	ND (0.84)	ND (0.84)	ND (0.84)	ND (0.84)
Heptane	ug/m3	-	1.2	41.4	31	23	13	ND (0.53)		
Hexachlorobutadiene	ug/m3	-	ND (0.49)	ND (1.9)	ND (1.9)	ND (1.9)	ND (1.9)	ND (1.9)	ND (1.9)	ND (1.9)
Hexane	ug/m3	-	1.7	86.7	118	43	32	1.7 J		
2-Hexanone	ug/m3	-	ND (0.18)	ND (0.70)	ND (0.70)	ND (0.70)	ND (0.70)	ND (0.70)	ND (0.70)	ND (0.70)
Isopropyl Alcohol	ug/m3	-	6.4	13	ND (0.57)	1.5 J	ND (0.57)	ND (0.57)		
Methylene chloride	ug/m3	-	2.5	ND (0.38)	14	2.8	2.9	5.2		
Methyl ethyl ketone	ug/m3	-	1.1	23	13	13	16	4.1		
Methyl Isobutyl Ketone	ug/m3	-	0.53 J	3.8	ND (0.57)	ND (0.57)	1.9 J	ND (0.57)		
Methyl Tert Butyl Ether	ug/m3	-	ND (0.097)	ND (0.40)	ND (0.40)	ND (0.40)	ND (0.40)	ND (0.40)	ND (0.40)	ND (0.40)
Methylmethacrylate	ug/m3	-	ND (0.18)	ND (0.70)	ND (0.70)	ND (0.70)	ND (0.70)	ND (0.70)	ND (0.70)	ND (0.70)
Propylene	ug/m3	-	ND (0.12)	1550	469	222	536	3.3 J		
Styrene	ug/m3	-	ND (0.11)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)
1,1,1-Trichloroethane	ug/m3	100	ND (0.12)	8.7	13	2.7 J	8.2	8.2		
1,1,2,2-Tetrachloroethane	ug/m3	-	ND (0.21)	ND (0.82)	ND (0.82)	ND (0.82)	ND (0.82)	ND (0.82)	ND (0.82)	ND (0.82)
1,1,2-Trichloroethane	ug/m3	-	ND (0.16)	ND (0.65)	ND (0.65)	ND (0.65)	ND (0.65)	ND (0.65)	ND (0.65)	ND (0.65)
1,2,4-Trichlorobenzene	ug/m3	-	ND (0.38)	ND (1.5)	ND (1.5)	ND (1.5)	ND (1.5)	ND (1.5)	ND (1.5)	ND (1.5)
1,2,4-Trimethylbenzene	ug/m3	-	3.2	23	20	9.8	14	4.3		
1,3,5-Trimethylbenzene	ug/m3	-	1.4	7.9	5.9	3.1 J	4.3	ND (0.54)		
2,2,4-Trimethylpentane	ug/m3	-	1.2	ND (0.51)	ND (0.51)	14	ND (0.51)	ND (0.51)		
Tertiary Butyl Alcohol	ug/m3	-	ND (0.097)	15	28	9.4	11	3.6		
Tetrachloroethylene	ug/m3	100	3.1	113	76.6	46	132	176		
Tetrahydrofuran	ug/m3	-	ND (0.14)	ND (0.56)	ND (0.56)	ND (0.56)	ND (0.56)	ND (0.56)	ND (0.56)	ND (0.56)
Toluene	ug/m3	-	11	38.1	13	13	17	7.2		
Trichloroethylene	ug/m3	50	ND (0.18)	10	12	11	6.4	7		
Trichlorofluoromethane	ug/m3	-	1.7	2.5 J	3.3 J	ND (0.96)	ND (0.96)	3.4 J		
Vinyl chloride	ug/m3	-	ND (0.082)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)
Vinyl Acetate	ug/m3	-	ND (0.20)	ND (0.81)	ND (0.81)	ND (0.81)	ND (0.81)	ND (0.81)	ND (0.81)	ND (0.81)
m,p-Xylene	ug/m3	-	2.7	60.4	18	27	40	9.6		
o-Xylene	ug/m3	-	0.96	31	9.1	14	20	4.8		
Xylenes (total)	ug/m3	-	3.7	92.1	27	41	59.9	14		
Result has potential to exceed action level if compared to indoor air.										

