

62 North 9th Street
Brooklyn, New York

**PHASE II SUBSURFACE
INVESTIGATION REPORT
OER PROJECT #12EHAZ301K
July 26, 2012**

Prepared for:

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1.0 INTRODUCTION

Associated Environmental Services, Ltd. (AES) has prepared the following report to document the results of the subsurface investigation performed at 62 North 9th Street in Brooklyn, New York. The location of the subject property is shown on **Figure 1**. The work was conducted in conformance with the March 16, 2012 Phase II Environmental Assessment (Phase II EA) Work Plan (Work Plan) prepared by AES to address potential environmental concerns associated with an E-Designation assigned to the subject property.

The subject property is also identified as Block 2309, Lot 13 within Brooklyn Community District 1. Lot 13 has been designated with a Hazardous Materials E-Designation under Number E-138 as part of the 2005 Greenpoint-Williamsburg Rezoning Action. A Site Plan of the subject property is provided on **Figure 2**. The building on the subject property is currently a one (1) story commercial building with a basement. The planned renovation includes the renovation of the existing building and the construction of a three (3)-story addition atop the existing building. The planned renovation is for mixed use with the construction of five (5) residential units within the 3-story addition, and commercial warehousing and storage space on the ground floor and utilities and storage areas in the basement. The existing basement will be renovated by removing and replacing interior walls to various utility and storage rooms. The existing building structure will be retrofitted with additional plumbing and utility systems installed into the subsurface soil at select locations within the basement, however, the existing cellar will remain unchanged. Refer to attached architectural drawings prepared by Thomas C Tung, Engineer, P.E. (**Appendix A**). The property renovation will be performed by the current owner, Mr. Yang, who is available at the subject property.

1.1 Scope of Work

The scope of work conducted during the Phase II EA was conducted in conformance with the New York City Office of Environmental Remediation (OER) –approved Work Plan. The tasks completed during the Phase II EA included the performance of a subsurface investigation to collect and analyze soil, groundwater, and soil vapor samples representative of environmental conditions at the subject property.

2.0 SAMPLING METHODOLOGY

Prior to drilling activities, AES contacted the one-call center to mark subsurface public utilities in the vicinity of the subject property. According to the New York City CERLIS documents, the E-designation was reported to have been assigned to the property due to past use as a coal storage yard. No records or visual indication of petroleum or hazardous material underground or aboveground storage tanks were identified to be present at the property (see Phase I Environmental Site Assessment previously submitted). Therefore, the Phase II subsurface investigation was conducted to evaluate the general soil, groundwater and soil vapor quality beneath the property.

2.1 Subsurface Investigation

Two (2) sub-slab soil vapor samples were collected beneath the poured concrete slab-on-grade in the rear of the building and beneath the partial basement located in the front of the building adjacent to North 9th Street. The location and designation of the soil vapor samples are provided on **Figure 3**. The sub-slab soil vapor samples were collected in compliance with the New York Department of Health (NYSDOH) *Guidance for Evaluating Soil Vapor Intrusion in the State of New York* issued in October of 2006 (hereinafter, the NYSDOH Guidance Document). The sub-slab soil vapor samples were collected at random locations to evaluate soil vapor quality throughout the property.

The sub-slab soil vapor sampling points were installed using hand-held power tools. The soil vapor points consisted of one-quarter inch polyethylene tubing set no greater than two (2) inches beneath the bottom of the concrete floor slab. The annular space surrounding the tubing was filled with washed #1 crushed stone as a filter pack and bentonite clay was installed atop of the filter pack to prevent atmospheric air infiltration.

As a quality assurance/quality control (QA/QC) measure, helium was introduced into a closed/sealed space surrounding the sampling tube as a tracer gas to confirm the integrity of the sample point seal to ensure that no atmospheric air intrusion affects the sub-slab soil vapor sample (e.g., no “short circuiting” occurs). A sealed space around the sampling tube was formed using an inverted container placed over the area where the sampling tubing exits the floor. The polyethylene sampling tubing was run through the sealed space and separate polyethylene tubing was run from the helium supply through a hole on the top of the container. The container also contained a small vent hole from which atmospheric air may escape while the helium was introduced. While helium was introduced into the sealed container, a portable helium detector was attached to the sub-slab sampling tubing to check for possible leaks in the floor seal. Helium was not detected in the two (2) sub-slab sample points confirming the integrity of the sample point seals.

Once the QA/QC measure was completed, the sub-slab soil vapor sampling points were purged of three tubing volumes at a flow rate no greater than 0.2 liters per minute (L/m) using a photo-ionization detector (PID) to provide a preliminary screening of volatile organic compounds

(VOCs) in the sub-slab soil vapor. PID readings from the sample points were recorded at 415 parts per million (PPM) in SSV-1 and 3.5 PPM in SSV-2. A laboratory-supplied Summa vacuum canister was connected to the polyethylene tubing subsequent to the purging and the samples were collected over approximately eight (8) hours using a flow regulators calibrated by the laboratory. The samples were collected at a flow rate of approximately 0.0125 L/m, well below the 0.2 L/m ceiling limit provided in the NYSDOH Guidance Document. The sampling tubing was connected to the Summa canister using laboratory-supplied air-tight compression fitting.

Additionally, two (2) indoor air quality and one (1) outdoor air quality samples were collected concurrently and over the same duration as the sub-slab soil vapor samples. The indoor/outdoor air samples were collected using laboratory-supplied Summa vacuum canisters set atop a three (3) -foot tall stand in order to represent the air quality within the typical breathing zone (as required in the NYSDOH Guidance Document). The samples were collected to establish indoor and outdoor air ambient conditions at the subject property. The sub-slab vapor and air samples were analyzed by Alpha Analytical (Alpha), New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP) –Certification #11148, for VOCs using USEPA Method TO-15.

AES conducted an inspection of the basement areas to evaluate chemical use within the building. Labels were reviewed to determine the chemical nature of various products including, but not limited to cleaners, lubricants, glues/adhesives, paints, etc. The inspection data is utilized for comparison to the indoor air analytical data to determine if onsite chemical use has deleteriously impacted the indoor air quality of the building. A copy of the basement inspection form is provided in **Appendix B**.

Additionally, soil samples were collected at three (3) boring locations (**Figure 4**) using Geoprobe™ equipment. Soil samples were collected at two (2) -foot intervals from surface grade until the groundwater was encountered (approximately 10 feet below the basement grade). The soil samples were screened in one (1) –foot intervals for VOCs using a PID. Based on the PID readings and/or sample depth, two (2) soil samples from each boring were submitted to Alpha for analysis of 6NYCRR Part 375 VOCs using USEPA Method 8260, semi-volatile organic compounds (SVOCs) using USEPA Method 8270, pesticides and herbicides using USEPA Methods 8081 and 8321, PCBs using USEPA Method 8082, and Target Analyte List (TAL) metals using USEPA Methods 6010 and 7471.

In soil boring B-1, the soil samples from 0-2 feet and 6-8 feet below the grade were collected for laboratory analysis. In soil borings B-2 and B-3 drilling within the partial basement of the building, soil samples from 0-2 feet and 8-10 feet below the basement floor were submitted to the laboratory. The field observations including lithology, color, odor, moisture, and PID readings were recorded on Soil Boring Logs, which are provided in **Appendix B**. The soil samples were stored in an ice-filled insulated cooler pending shipment to Alpha for analysis.

As noted above, groundwater was encountered in the soil borings at roughly 10 feet below the basement grade. Following soil sampling, groundwater samples were collected from the soil

boring B-1 and B-3 locations (see **Figure 4**). The ground-water samples were collected from 1-inch diameter PVC temporary wells using the USEPA's Low Stress (low flow) Purging and Sampling Procedure for the Collection of Groundwater Samples from Monitoring Wells (SOP # GW0001), revised January 19, 2010. Prior to sampling, a water-level measurement was collected using a Solinst electronic water-level meter and the reading subsequently recorded on the field log.

A Geoprobe Model MBP470 bladder pump and dedicated polyethylene tubing was used to purge the well at a pumping rate no greater than one-half liter per minute (LPM) so as to not create a drawdown greater than 0.3 feet in the well. The pump intake was installed into the mid-depth of the screened interval of the well and the pump discharge was connected to a sample "T", a flow-through cell, and finally discharged into a graduated bucket. Field parameters including pH, temperature, specific conductivity, dissolved oxygen, and oxidation/reduction potential (ORP) were measured at five-minute intervals within a flow-through cell using a field-calibrated Horiba U-22 portable meter. Water level was measured throughout the purge to assure drawdown remained consistent. The wells were considered to be purged when field parameters of the discharge water stabilized within consecutive readings. A summary of field parameter measurements collected during purging of the monitoring well is provided on the Well Purging-Field Water Quality Measurements Forms in **Appendix B**.

Once the purge was complete, the sample "T" was opened and the sample placed directly into labeled, laboratory-supplied glassware. After sample collection, the bladder pump was turned off and the temporary well removed. The sample was stored in an ice-filled insulated cooler pending shipment to Alpha for analysis of NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 VOCs using USEPA Method 8260, SVOCs using USEPA Method 8270, pesticides/herbicides using USEPA Methods 8081 and 8321, PCBs using USEPA Method 8082, and metals (filtered and unfiltered) using USEPA Methods 6010 and 7471.

2.2 QA/QC Protocols

A quality assurance/quality control (QA/QC) program was conducted as described in the Work Plan to ensure that the proper decontamination and calibration of all sampling equipment and instruments and the proper collection and handling of all samples. Prior to use, all non-disposable sampling equipment was decontaminated by rinsing and brushing the equipment with tap water to remove any residual soil and/or ground water from the equipment; washing with soapy water solution containing Alconox laboratory detergent, and rinsing with tap water.

To document QA/QC protocols for sampling handling and collection, a field blank, FB-1 collected from the sampling equipment, was submitted for laboratory analysis consistent with the parameters described above. The trip blank (for VOCs only) was provided with and accompanied the sample containers throughout the sampling activities, however, it was inadvertently omitted from the analysis as the labels had detached from the sample vials. The field blank was collected by pouring distilled water over the re-usable field decontaminated sampling equipment and directly into laboratory-supplied containers.

The field meters were maintained and calibrated daily at the Site. No operation issues with the field meters were recorded during the field sampling activities. Samples were collected using disposable nitrile gloves and placed in pre-labeled laboratory-supplied glassware. The labels included the site address, sample identification number, parameter sampled, date, time, sampler's initials, and preservative type, if any. The samples were stored in ice-filled insulated coolers to maintain a temperature of 4° Celsius pending delivery to the laboratory. The soil, groundwater, and soil vapor/air samples were handled under the Chain of Custody (COC) procedures as provided in the Work Plan. Copies of the COC records accompany the laboratory analytical results provided in **Appendix C**.

3.0 RESULTS

The Phase II Subsurface Investigation activities were conducted at the subject site on April 11 and 12, 2012. The investigation was conducted in conformance with the New York State Department of Environmental Conservation (NYSDEC) Division of Environmental Remediation (DER) DER-10/Technical Guidance for Site Investigation and Remediation. The following sections summarize the field activities, the field data collected, laboratory analytical data, as well as any other pertinent information obtained.

3.1 Sub-Slab Vapor

As described above, a PID was attached to the sub-slab vapor sampling points to purge ambient air from the apparatus and record an initial screening of the soil vapor. PID readings were recorded at 415 PPM in SSV-1 and 3.5 PPM in SSV-2. The PID reading from the indoor air was recorded at 0.7 PPM in the basement and 0.4 PPM on the first floor. The outdoor ambient air was recorded with a PID reading of 0.2 PPM. Sub-slab soil vapor readings are provided on the Air Analysis COC provided in **Appendix C**.

Soil Vapor Results

The analysis of the soil vapor samples detected concentrations of three (3) VOCs in sample SSV-1 and of 30 VOCs in sample SSV-2. Concentrations of 21 VOCs were detected in the indoor air sample IA-1 and of 23 VOCs in the indoor sample IA-2. The results for the ambient outdoor air sample OA-1 detected concentrations of 17 VOCs. A summary of the sub-slab soil vapor analytical results is provided in **Table 1 and Figure 3**.

The NYSDOH Guidance Document does not provide referenced guidance for a broad array of VOCs. Therefore, the concentrations of the VOCs not discussed in the NYSDOH Guidance Document were compared to the Target Shallow Soil Gas Concentrations (TSSGCs) provided under Question 4: Generic Screening Levels of the United States Environmental Protection Agency (USEPA) OSWER Draft Guidance for Evaluating the Vapor Intrusion into Indoor Air Pathway from Groundwater and Soils (Subsurface Vapor Intrusion Guidance), November 2002. The comparison of VOC concentrations not discussed in the NYSDOH Guidance Document detected two VOC slightly above the respective TSSGCs. Chloroform was detected at 301 micrograms per cubic meter (ug/m^3) in SSV-1, which is above the TSSGC of $110 \text{ ug}/\text{m}^3$. The remaining VOCs detected in the sub-slab vapor samples fell well below the respective TSSGCs.

Of note, the compounds TCE, PCE, carbon tetrachloride (carbon tet), vinyl chloride (VC), 1,1,1-trichloroethane (1,1,1-TCA), 1,1-dichloroethene (1,1-DCE), and cis-1,2-dichloroethene (c-1,2-DCE) are referenced in the NYSDOH Guidance Document. Concentrations of TCE were detected at $197,000 \text{ ug}/\text{m}^3$ in SSV-1 and $304 \text{ ug}/\text{m}^3$ in SSV-2. Concentrations of PCE and c-1,2-DCE were not detected in SSV-1, but were reported at $570 \text{ ug}/\text{m}^3$ and $2.62 \text{ ug}/\text{m}^3$, respectively, in SSV-2. A concentration of 1,1,1-TCA was detected at $878 \text{ ug}/\text{m}^3$ in SSV-1, but was not detected in SSV-2. No concentrations of carbon tet, VC and 1,1-DCE were detected above the analytical reporting limits RLs in the sub-slab vapor samples.

Concentrations of VC, 1,1,1-TCA, 1,1-DCE, and c-1,2-DCE were not detected above the MDLs in the indoor air samples IA-1 and IA-2, and outdoor air sample OA-1. Concentrations of TCE were detected in the indoor air samples at 10.3 ug/m³ in IA-1 and 14.4 ug/m³ in IA-2, as well as the outdoor air sample, OA-1, at 0.994 ug/m³. Concentrations of PCE were detected in the indoor air samples at 0.373 ug/m³ in IA-1 and 0.664 ug/m³ in IA-2, and in the outdoor air sample OA-1 at 0.203 ug/m³. Carbon tet was detected in the indoor and outdoor air samples at 0.377 ug/m³ in IA-1, 0.302 ug/m³ in IA-2 and 0.472 ug/m³ in OA-1.

The concentrations of TCE, PCE, 1,1,1-TCA, and c-1,2-DCE reported in the sub-slab soil vapor samples were compared to the Decision Matrices provided in the NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York, October 2006. The TCE concentrations fall within the Response Item 16. - "Mitigate" provided in Decision Matrix 1. The PCE and 1,1,1-TCA concentrations fall within the Response Item 5.- "Monitor" in Decision Matrix 2, and the c-1,2-DCE concentration falls within Response Item 1. – "No Further Action" in Decision Matrix 2.

3.2 Soil Characterization

One (1) soil boring was drilled within are of the building constructed as slab-on-grade and two (2) soil borings were drilled in the partial basement of the building using Geoprobe apparatus. The soil boring was terminated within the water table encountered at approximately 10 feet below the basement floor or approximately 19 feet below the street grade. The locations of the soil borings are shown on **Figure 4**. Soil samples were collected using the four (4) –foot large-bore sampling spoon. The soil sampling spoon was equipped with a single-use acetate sheath to prevent cross contamination of the samples. Soil samples were collected continuously from grade to the terminal depth of the soil boring.

The subsurface lithology consisted of brown, medium to fine sand with trace gravel to approximately eight (8) feet below grade overlaying a brown, silty clay with trace gravel to roughly 14 feet below grade, then roughly two (2) feet of gray clay was observed, followed by a brown, medium to fine sand encountered to the terminal depth of the borings within the water table.

The soil samples were inspected in one-foot intervals for visual and/or olfactory evidence of contamination. In addition, the soil samples were field screened with a PID for the presence of VOCs. The soil sample interval immediately beneath the floor slab at grade and within the basement was submitted for laboratory analysis. The additional sample interval in B-1 was selected from six (6) to eight (8) feet below grade based on PID readings of between 35 PPM and 70 PPM. No indication of contamination was observed in the soil borings B-2 and B-3 drilled in the basement, therefore the additional soil samples were collected from the deepest dry interval at eight (8) to ten (10) feet below grade. The lithology encountered as well as field data are summarized in the soil boring logs, which can be found in the **Appendix B**.

The analytical results were compared to the 6NYCRR Part 375 Table 375-6.8(a) Unrestricted Use Soil Cleanup Objectives (UUSCOs) and the Supplemental Soil Cleanup Objectives (SSCOs) provided in the Final Commissioner Policy CP-51. The UUSCOs are based on the most conservative criteria established by the NYSDEC and NYSDOH for the protection of Public Health, Ecological Resources, and Groundwater, and provide “use without imposed restrictions, such as environmental easements or other land use controls” as defined under 6NYCRR Part 375. The SSCO are provided for the evaluation of potential Public Health, Ecological Resource, and Groundwater impacts relating to contaminant parameters not listed in the 6NYCRR Part 375 regulations. For this report, the most conservative objective of the three potential exposure criteria was used. A summary of the soil analytical results is provided on **Table 2 and Figure 4**. A complete copy of laboratory analytical results is provided in **Appendix C**.

No concentrations of VOCs were detected in the soil samples in contravention of the UUSCOs and SSCO. At soil boring location B-1, concentrations of the VOCs; methylene chloride, PCE, toluene and TCE were detected in the 0-2 feet below grade sample, with concentrations of methylene chloride and TCE also detected in the deeper sample at 6-8 feet below grade. Concentrations of TCE and naphthalene were detected in the 0-2 feet sample interval at B-2, but no concentrations of VOCs were detected above the analytical RLs in the 8-10 feet soil sample. In B-3, no concentrations of VOCs were detected above the RLs in the 0-2 feet sample, and concentrations of PCE, TCE, 1,3-dichlorobenzene, 1,4-dichlorobenzene, p+m-xylenes, and carbon disulfide were detected in the 8-10 feet sample.

No concentrations of SVOCs were detected above the RLs in five (5) of the six (6) soil samples. Concentrations of 11 SVOCs including fluoranthene, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, anthracene, benzo(g,h,i)perylene, phenanthrene, indeno(1,2,3-cd)pyrene, and pyrene were detected in sample B-2 (0-2 feet) at levels below their respective UUSCOs/SSCOs. No other SVOCs were detected above the RLs in the soil sample B-2 (0-2 feet).

No concentrations of PCBs and pesticides/herbicides were detected above the RLs in the soil samples. The RLs for the PCB, pesticide, and herbicide analysis were well below the UUSCOs/SSCOs.

Concentrations of numerous metals were detected in the soil samples. Concentrations of iron were detected above the UUSCO in the six (6) soil samples. No other metals concentrations were detected in exceedance of their respective UUSCOs/SSCOs.

3.3 Groundwater Characterization

The analytical results for groundwater were compared to the NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values (Water Quality Values). The Water Quality Values are provided for the evaluation of potential groundwater impacts relating to contaminant parameters identified by the NYSDEC 6NYCRR Part 375 regulations. For this report, the most conservative objective of the Water Quality Values was used. A summary of the groundwater analytical results is provided on **Table 3**

and Figure 4. A complete copy of laboratory analytical results is provided in **Appendix C**.

Concentrations of three (3) VOCs; chloroform at 2.8 micrograms per liter (ug/L), TCE at 37 ug/L, and acetone at 2.1 ug/L, were detected in groundwater sample GW-1. The concentration of TCE is in exceedance of the Water Quality Value of 5 ug/L, but the concentrations of chloroform and acetone are less than their respective Water Quality Values. No concentrations of VOCs were detected above the RLs in groundwater sample GW-2.

No concentrations of SVOCs were detected in the groundwater samples above the Water Quality Values. Concentrations of SVOCs; naphthalene at 0.12 ug/L, bis(2-ethylhexyl)phthalate at 4.9 ug/L, di-n-butylphthalate at 0.55 ug/L, benzoic acid at 3.4 ug/L, phenanthrene at 0.13 ug/L, and 2-methylnaphthalene at 0.14 ug/L, were detected in sample GW-1. No concentrations of SVOCs were detected above the RLs in sample GW-2.

No concentrations of PCBs were detected above the RLs in the groundwater samples. The RLs are well below the Water Quality Values.

No concentrations of pesticides and herbicides were detected above the RLs in sample GW-1. A concentration of one (1) pesticide, dieldrin at 0.033 ug/L was detected in sample GW-2. The concentration of dieldrin reported in sample GW-2 is above the Water Quality Value of 0.004 ug/L.

Concentrations of various metals including barium, beryllium, chromium, copper, iron, lead, magnesium, manganese, nickel, sodium, and thallium were detected above the respective Water Quality Values in the unfiltered groundwater samples. However, the filtered groundwater samples detected only concentrations of manganese at 494 ug/L in GW-1 and 1,520 ug/L in GW-2, magnesium at 39,000 ug/L in GW-2, and sodium at 31,000 ug/L in GW-1 and 46,000 ug/L in GW-2 which exceeded the Water Quality Values. No other metals concentrations were detected above the Water Quality Values in the filtered (i.e., dissolved fraction) groundwater samples.

4.0 CONCLUSIONS AND RECOMMENDATIONS

4.1 Sub-Slab Vapor

The sub-slab soil vapor was assessed during the soil boring program within the existing building using a PID and sub-slab soil vapor samples were collected over an eight (8)-hour duration using laboratory-supplied Summa vacuum canisters. Concurrently, an indoor air samples were collected from within the first floor and basement of the existing building and an ambient outdoor air sample was collected at the exterior of the building. The result of the sub-slab vapor sample analyses detected concentrations of VOCs in the sub-slab vapor samples. The analytical results for the majority of VOCs detected in the sub-slab vapor and indoor air samples do not indicate vapor intrusion into the indoor air is occurring. In fact, the indoor air samples appear to be more indicative of chemical use within the shop areas on the ground floor of the building.

However, the relative concentration of target VOCs identified within the NYSDOH Guidance Document indicates mitigation measures are warranted. With appropriate measures to reduce exposure (i.e., sealing seams and cracks within the basement floor and walls), and the installation of a sub-slab depressurization system, the concentrations of VOCs in the sub-slab vapor samples would not present a significant risk of vapor intrusion following renovation of the building.

4.2 Soil Characterization

The results of the field investigation and laboratory analysis did not detect concentrations of VOCs, SVOCs, PCBs, and pesticides/herbicides in contravention of the 6NYCRR Part 375 UUSCOs. Concentrations of one (1) metal, iron, were detected in the soil samples above the Part 375 UUSCO. However, the concentrations of iron reported in the subsurface soil are representative of regional soil quality and not indicative of an adverse environmental condition. No further action is warranted regarding the soil at the subject property.

4.3 Groundwater Characterization

Groundwater data detected one (1) VOC (TCE), one (1) pesticide (dieldrin), and various metals concentrations (in the unfiltered and filtered samples) above the Water Quality Values. No indication of a potential contaminant source was detected in the soil sampling discussed above. The absence of TCE and dieldrin at contaminant concentrations (i.e., in excess of the UUSCOs) in the on-site subsurface soils would indicate the concentrations of TCE and dieldrin in the groundwater are indicative of anthropogenic conditions resulting in poor regional groundwater quality. The metals detected in the groundwater are naturally-occurring in the environment and not indicative of an anthropogenic condition. The results of the groundwater sample analysis indicate that groundwater quality does not comply with NYSDEC Water Quality Values, but the occurrence of these contaminants would be consistent with poor regionally groundwater quality.

4.4 Recommendations

The redevelopment of the property is anticipated to include limited excavation of shallow soils for the purposes of installing underground utilities. The results of the investigation indicate the subsurface soil at the property is compliant with NYSDEC 6 NYCRR Part 375 regulations for unrestricted reuse. Thus, excavated soil should be staged for use as backfill, where appropriate. Once backfill is emplaced, utility excavations should be properly capped with concrete and sealed (see below).

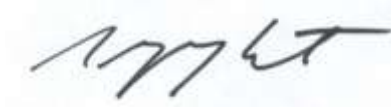
Groundwater quality beneath the property appears to be consistent with typical regional water quality. No further action is warranted regarding the groundwater beneath the property. If needed during redevelopment activities, dewatering activities during the redevelopment will be performed under a NYC Department of Environmental Protection (DEP) Sewerage Discharge Permit. Based on the groundwater data provided herein, the groundwater may require treatment to meet NYC DEP requirements for discharge into the sewer system.

The laboratory analytical results did detect concentrations of TCE, PCE, 1,1,1-TCA, and c-1,2-DCE in the sub-slab soil vapor samples. The sub-slab vapor results do not indicate that vapor intrusion is a significant concern to the occupants of the building as residential apartments will not be constructed on the first floor or in the basement. However, construction workers performing the proposed renovation of the building will potentially be exposed to vapors while working in the basement to install utilities. Additionally, the VOC concentrations, specifically TCE, found in the sub-slab vapor are of sufficient magnitude to require mitigation under the NYSDOH Guidance.

Therefore, AES recommends the following remedial activities during redevelopment of the property:

1. Perform all activities required for the redevelopment, including permitting requirements and pretreatment requirements, in accordance with all applicable laws and regulations.
2. Seal all seams and cracks within the ground floor and basement of the building as part of the renovation of the building with appropriate material to be protective of soil vapor intrusion from the existing sub-slab conditions.
3. Install a sub-slab depressurization system beneath the slab-on-grade in the western portion of the building and the basement of the building. The system will be designed and installed in conformance with the USEPA Radon Prevention in the Design and Construction of Schools and Other Large Buildings, June 1994.
4. AES recommends the proposed renovation work be conducted under an approved Construction Health and Safety Plan to inform workers of the subsurface conditions and establish appropriate monitoring guidelines to mitigate any potential worker exposure.
5. Submit a Remedial Action Report (RAR) that describes the remedial activities, certifies that the remedial requirements have been achieved, describes any engineering controls to be implemented at the Site, and explains any variations to the above recommendations.

Prepared By:

A handwritten signature in black ink, appearing to read 'G Ernst', is written over a light blue rectangular background.

Gregory Ernst
Project Manager / Hydrogeologist
Associated Environmental Services, LTD

Table 1
Sub-Slab Soil Vapor Data Summary
62 North 9th Street, Brooklyn, New York

Parameter:	USEPA TSSGC	Sample Location:	SSV-1	SSV-2	IA-1	IA-2	OA-1
		Sampling Date:	4/11/12	4/11/12	4/11/12	4/11/12	4/11/12
<u>Volatile Organic Compounds</u>							
Propylene	NA	--	15.3	3.99	2.31	1.03	
Dichlorodifluoromethane	2,000	--	2.1	2.14	2.28	2.2	
Chloromethane	900	--	0.993	1.06	1.06	1.05	
1,3-Butadiene	8.7	--	0.993	0.993	0.672	--	
Ethanol	NA	--	15.6	17	6.2	--	
Acetone	3,500	--	271	--	12.2	5.96	
Trichlorofluoromethane	7,000	--	1.21	--	1.19	--	
Isopropanol	NA	--	3.49	--	--	--	
Methylene chloride	5,200	--	16.6	--	--	--	
Carbon disulfide	7,000	--	16.4	--	--	--	
2-Butanone	10,000	--	37.2	5.84	2.08	1.16	
cis-1,2-Dichloroethene	350	--	2.62	--	--	--	
Chloroform	110	301	40.8	--	--	--	
Tetrahydrofuran	NA	--	1.97	3.51	1.23	--	
n-Hexane	2,000	--	10.9	38.1	10.5	1.68	
1,1,1-Trichloroethane	22,000	878	--	--	--	--	
Benzene	310	--	7.22	3.01	1.24	0.933	
Carbon tetrachloride	160	--	--	0.377	0.302	0.472	
Cyclohexane	NA	--	55.8	338	128	17.5	
Trichloroethene	22	197,000	304	10.3	14.4	0.994	
2,2,4-Trimethylpentane	NA	--	7.19	--	--	--	
Heptane	NA	--	89.3	397	255	34.7	
4-Methyl-2-pentanone	NA	--	4.96	--	--	--	
Toluene	4,000	--	66.3	113	55	7.16	
2-Hexanone	NA	--	1.52	--	--	--	
Tetrachloroethene	810	--	570	0.373	0.664	0.203	
Ethylbenzene	2,200	--	9.95	8.95	4.91	4.6	
p+m Xylenes	70,000	--	34.7	33.5	18.9	18.4	
o Xylene	70,000	--	10.2	6.38	3.14	2.58	
4-Ethyltoluene	NA	--	2.95	2.55	1.51	--	
1,3,5-Trimethylbenzene	60	--	2.96	2.32	1.34	--	
1,2,4-Trimethylbenzene	60	--	9.24	7.92	3.88	1.04	

Notes:

All concentrations provided in micrograms per cubic meter (ug/m³)

NA - Not Applicable/Not Available

TSSGC - Target Shallow Soil Gas Concentration

Bold and outlined values indicate exceedance of the TSSGC.



Table 2
Soil Data Summary
62 North 9th Street, Brooklyn, New York

Sample Location:	B-1	B-1	B-2	B-2	B-3	B-3	
Sample Depth:	0-2 ft. bg	6-8 ft. bg	0-2 ft. bg*	8-10 ft. bg*	0-2 ft. bg*	8-10 ft. bg*	
Sampling Date:	4/12/12	4/12/12	4/12/12	4/12/12	4/12/12	4/12/12	
Parameters:	Part 375 UUSCOs/ CP-51 SSCOs						
<u>Volatile Organic Compounds</u>							
Methylene chloride	0.05	0.0061 J	0.0028 J	ND	ND	ND	ND
Tetrachloroethene	1.3	0.017	ND	ND	ND	ND	0.0045
Toluene	0.7	0.0032 J	ND	ND	ND	ND	ND
Trichloroethene	0.47	0.049	0.0046	0.0036	ND	ND	0.0025 J
1,3-Dichlorobenzene	2.4	ND	ND	ND	ND	ND	0.0034 J
1,4-Dichlorobenzene	1.8	ND	ND	ND	ND	ND	0.0037 J
p/m-Xylenes	0.26	ND	ND	ND	ND	ND	0.005 J
Carbon Disulfide	NA	ND	ND	ND	ND	ND	0.0028 J
Naphthalene	12.00	ND	ND	0.0028 J	ND	ND	ND
<u>Semi-Volatile Organic Compounds</u>							
Fluoranthene	100	ND	ND	0.22	ND	ND	ND
Benzo(a)anthracene	1	ND	ND	0.085 J	ND	ND	ND
Benzo(a)pyrene	1	ND	ND	0.076 J	ND	ND	ND
Benzo(b)fluoranthene	1	ND	ND	0.096 J	ND	ND	ND
Benzo(k)fluoranthene	0.8	ND	ND	0.039 J	ND	ND	ND
Chrysene	1	ND	ND	0.09 J	ND	ND	ND
Anthracene	100	ND	ND	0.038 J	ND	ND	ND
Benzo(g,h,i)perylene	100	ND	ND	0.045 J	ND	ND	ND
Phenanthrene	100	ND	ND	0.18	ND	ND	ND
Indeno(1,2,3-cd)pyrene	1	ND	ND	0.048 J	ND	ND	ND
Pyrene	100	ND	ND	0.18	ND	ND	ND
<u>Polychlorinated Biphenyls</u>							
All Arochlors	0.1	ND	ND	ND	ND	ND	ND
<u>Pesticides/Herbicides</u>							
All Constituents	NA	ND	ND	ND	ND	ND	ND
<u>Target Analyte List Metals</u>							
Aluminum	10,000	4,300	3,200	5,600	5,100	1,700	2,900
Antimony	12	ND	ND	2.5 J	2 J	ND	1.5 J
Arsenic	13	0.98	0.78	3.7	3.3	0.51 J	1.3
Barium	350	20	21	51	69	7.9	18
Beryllium	7	0.27 J	0.21 J	0.49	0.48	0.18 J	0.33 J
Calcium	10,000	1,300	820	4,000	1,100	220	500
Chromium	30	8.8	6.9	14	28	5.2	9.9
Cobalt	20	3.5	3.4	9.1	8.5	1.8	5.4
Copper	50	10	9.8	23	19	6.2	13
Iron	2,000	8,100	6,800	29,000	25,000	4,200	18,000
Lead	63	4.5	2.4 J	10	6.9	2.3 J	4.5
Magnesium	NA	1,600	1,400	1,700	1,400	460	940
Manganese	1,600	300	220	570	790	50	230
Mercury	0.18	0.02 J	ND	0.02 J	0.020 J	ND	ND
Nickel	30	8	6.5	12	12	3.6	6.2
Potassium	NA	1,000	940	980	920	290	460
Selenium	3.9	0.54 J	0.52 J	1.6	1.5 J	0.32 J	0.98 J
Sodium	NA	130 J	100 J	190	130 J	ND	94 J
Thallium	5	ND	ND	0.9 J	0.83 J	ND	0.62 J
Vanadium	39	13	10	31	32	7.6	22
Zinc	109	31	20	33	28	8.8	26

Notes:

Concentrations in milligrams per kilogram (mg/kg)

* Grade relative to basement floor

NA - Not available/not applicable

ND - Not Detected

UUSCO - Unrestricted Use Soil Cleanup Objective

SSCO - Supplemental Soil Cleanup Objective

Bold and outlined values indicate exceedance of the UUSCO/SSCO



Table 3
Groundwater Data Summary
62 North 9th Street, Brooklyn, New York

Sample Location: GW-1 GW-2 FB-1
Sample Depth: 20-24 ft bg 10-14 ft. bg* NA
Sampling Date: 4/12/12 4/12/12 4/12/12

Parameters: TOGS 1.1.1
AWQSGV

<u>Volatile Organic Compounds</u>							
Chloroform	7	2.8		ND		ND	
Trichloroethene	5	37		ND		ND	
Acetone	50	2.1	J	ND		11	
2-Butanone	50	ND		ND		2.4	J
<u>Semi-Volatile Organic Compounds</u>							
Naphthalene	10	0.12	J	ND		ND	
bis(2-ethylhexyl)Phthalate	5	4.9	B	ND		ND	
Di-n-butylphthalate	NA	0.55	J	ND		ND	
Benzoic acid	NA	3.4	J	ND		ND	
Phenanthrene	50	0.13	JB	ND		ND	
2-Methylnaphthalene	NA	0.14	J	ND		ND	
<u>Polychlorinated Biphenyls</u>							
All Arochlors	0.09	ND		ND		ND	
<u>Pesticides/Herbicides</u>							
Dieldrin	0.004	ND		0.033	J	ND	
<u>Target Analyte List Metals</u>		<u>Total</u>	<u>Filtered</u>	<u>Total</u>	<u>Filtered</u>	<u>Total</u>	<u>Filtered</u>
Aluminum	NA	38,000	60	81,000	200	ND	NA
Antimony	3	0.9	J	1.4	0.7	0.3	J
Arsenic	25	6	ND	6	ND	ND	NA
Barium	1,000	296	15	1,170	121	ND	NA
Beryllium	3	3.5	ND	10.4	ND	ND	NA
Cadmium	5.0	ND	ND	1	J	ND	NA
Calcium	NA	98,000	64,000	140,000	120,000	50	J
Chromium	50	280	5	210	ND	ND	NA
Cobalt	NA	49	ND	180	3	ND	NA
Copper	200	159	ND	228	ND	ND	NA
Iron	300	110,000	70	280,000	860	ND	NA
Lead	25	53	ND	122	ND	ND	NA
Magnesium	35,000	27,000	15,000	57,000	39,000	ND	NA
Manganese	300	4,430	494	16,700	1,520	ND	NA
Mercury	0.70	0.1	J	ND	0.7	ND	NA
Nickel	100	103	4	152	6	ND	NA
Potassium	NA	30,000	20,000	27,000	17,000	ND	NA
Selenium	10	ND	ND	ND	ND	ND	NA
Silver	50	ND	ND	ND	ND	ND	NA
Sodium	20,000	34,000	31,000	48,000	46,000	ND	NA
Thallium	0.5	0.7	ND	1.1	ND	ND	NA
Vanadium	NA	121	ND	170	ND	ND	NA
Zinc	2,000	385	ND	514	ND	12	J

Notes:

Concentrations in micrograms per liter (ug/L)

* Grade relative to basement floor

NA - Not available/not applicable

ND - Not Detected

AWQSGV - Ambient Water Quality Standards and Guidance Values

Bold and outlined values indicate exceedance of the AWQSGV



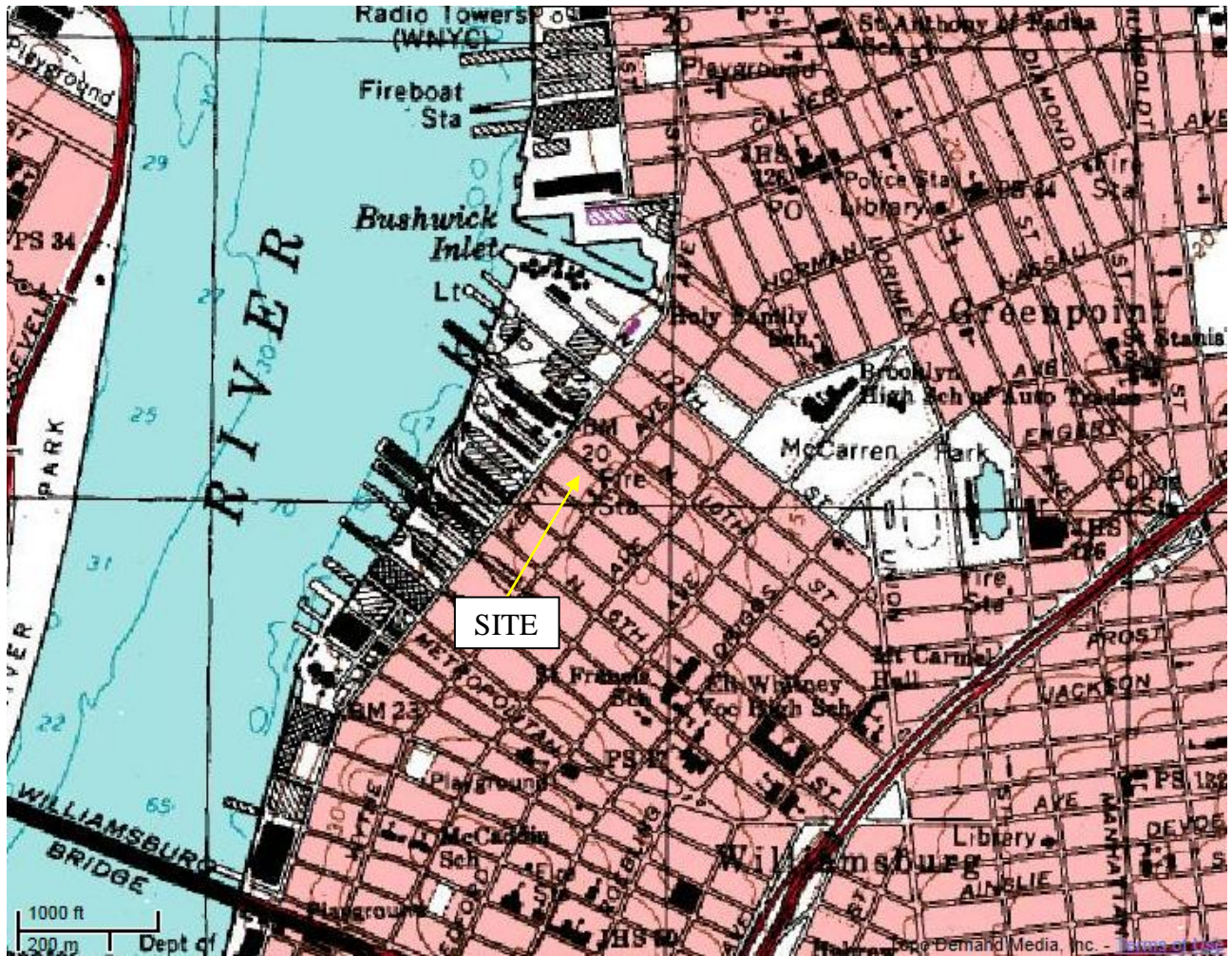
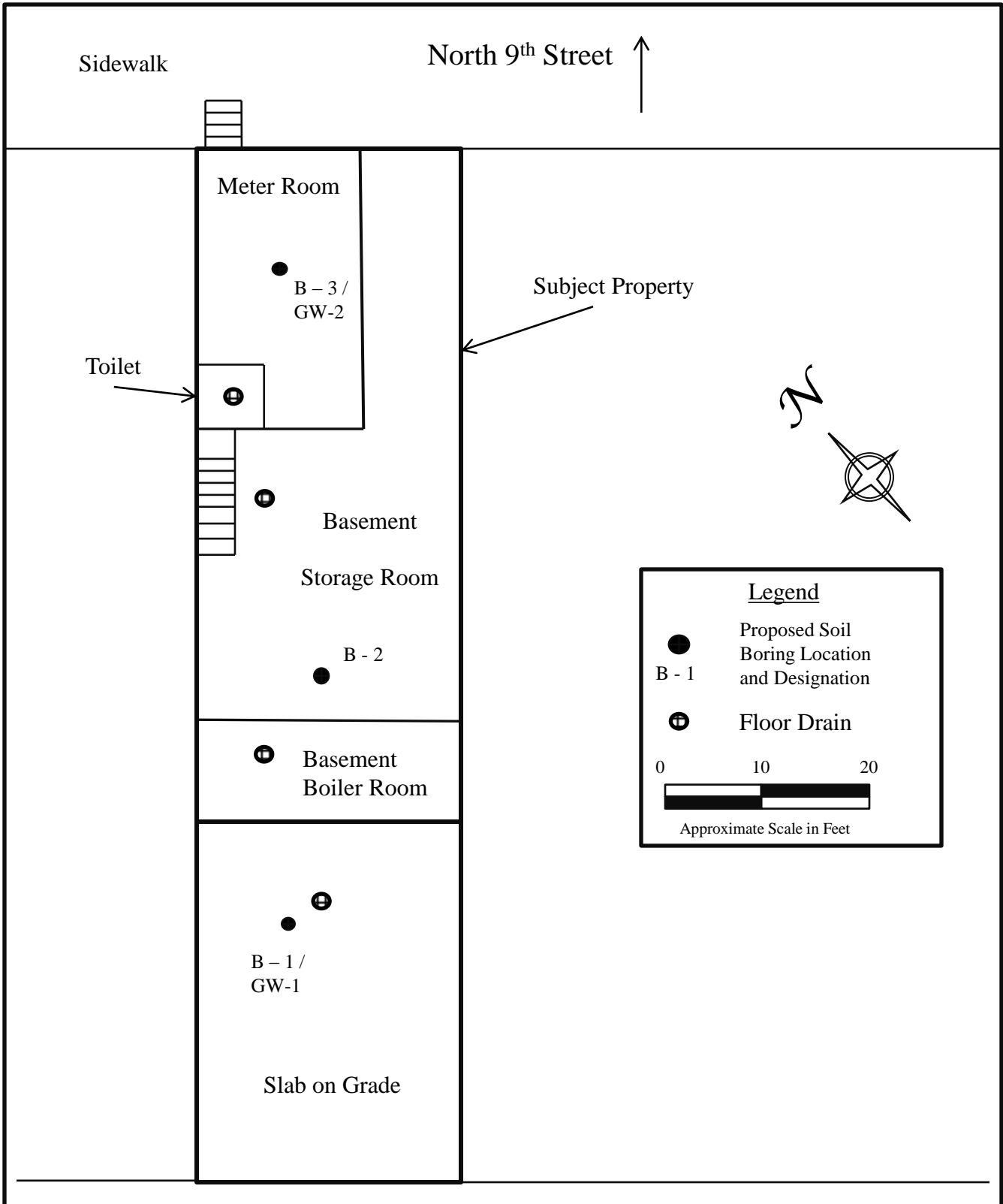


FIGURE 1.0 SITE LOCATION

62 NORTH 9TH STREET
BROOKLYN, NEW YORK



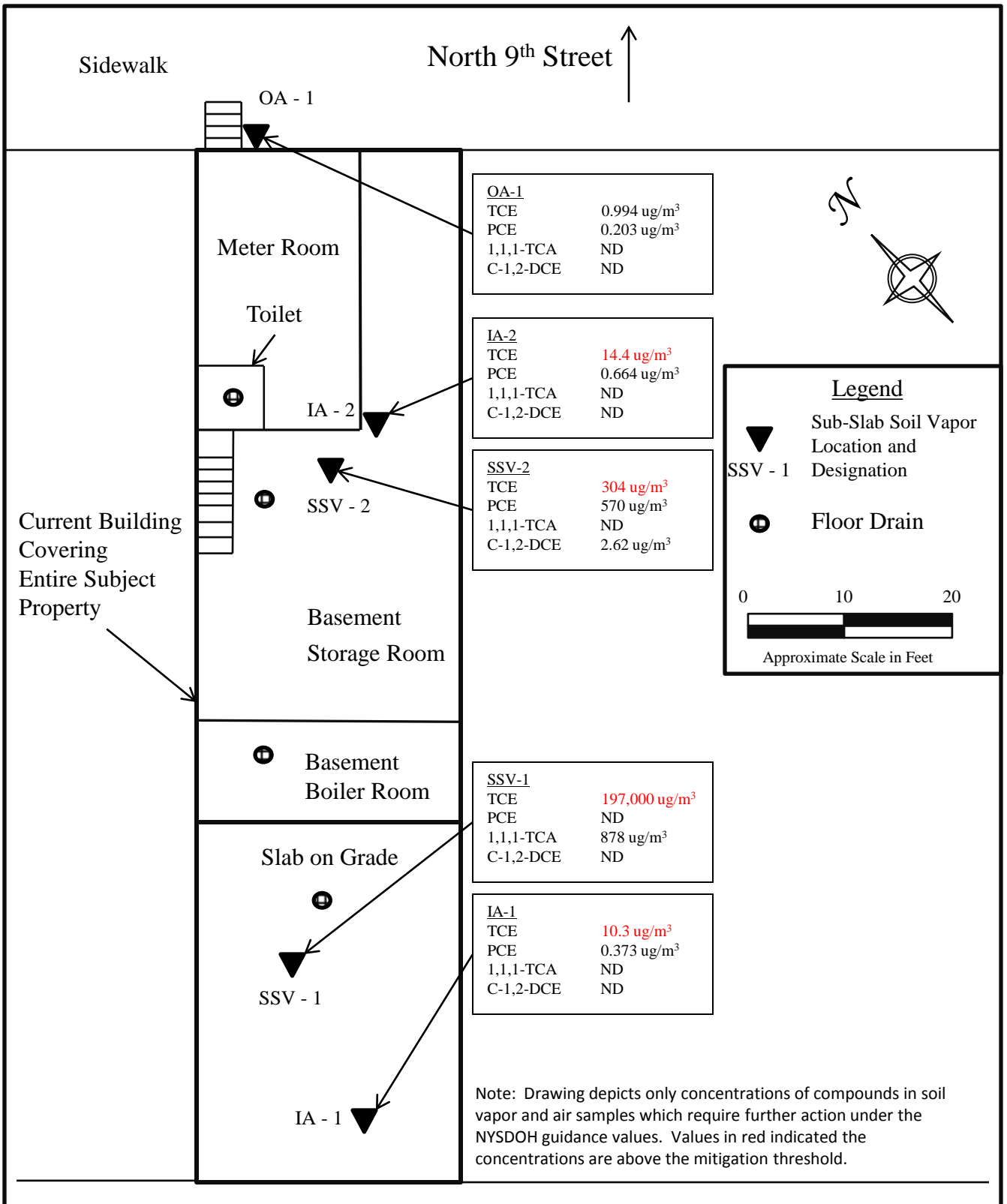
**Associated
Environmental
Services, Ltd.**



**Associated
Environmental
Services, Ltd.**

62 North 9th Street
Brooklyn, New York

**Figure 2.0
Site Plan**



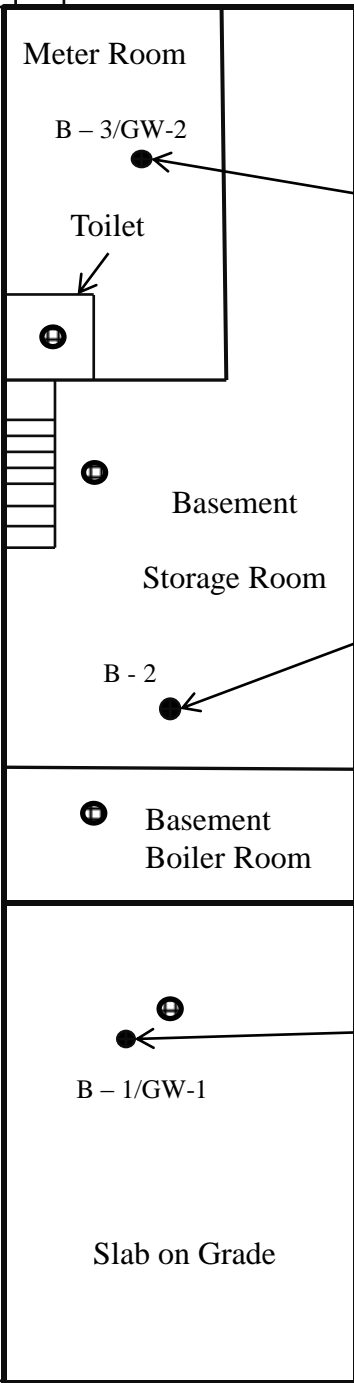
**Associated
Environmental
Services, Ltd.**

62 North 9th Street
Brooklyn, New York

**Figure 3.0
Vapor Sampling Plan**

Sidewalk

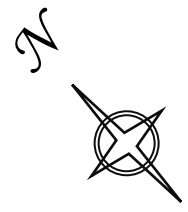
North 9th Street



<u>Soil</u>	
B-3	0-2 feet
Iron	4,200 mg/kg
B-3	8-10 feet
Iron	18,000 mg/kg
<u>Groundwater</u>	
GW-2	
Dieldrin	0.033 ug/L
Magnesium	39,000 ug/L
Manganese	1,520 ug/L
Sodium	46,000 ug/L

<u>Soil</u>	
B-2	0-2 feet
Iron	29,000 mg/kg
B-2	8-10 feet
Iron	25,000 mg/kg
<u>Groundwater</u>	
NA	

<u>Soil</u>	
B-1	0-2 feet
Iron	8,100 mg/kg
B-1	6-8 feet
Iron	6,800 mg/kg
<u>Groundwater</u>	
GW-1	
Trichloroethene	37 ug/L
Manganese	494 ug/L
Sodium	31,000 ug/L



Legend

- B - 1 Soil Boring and Groundwater Sample Location and Designation
- ⊕ Floor Drain

0 10 20

 Approximate Scale in Feet

Subject Property

Note: Drawing depicts only concentrations of analytes in soil above the Part 375/CP-51 soil cleanup objectives and concentrations of analytes in groundwater above the TOGS 1.1.1 ambient water quality values.

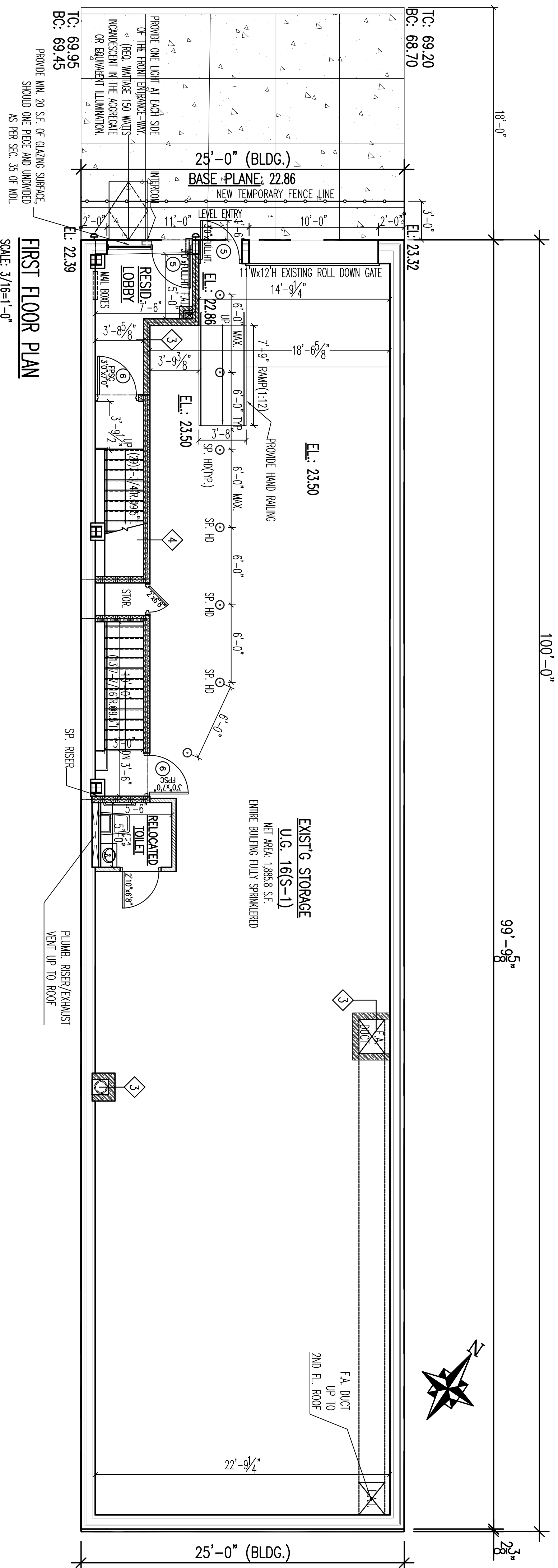


62 North 9th Street
Brooklyn, New York

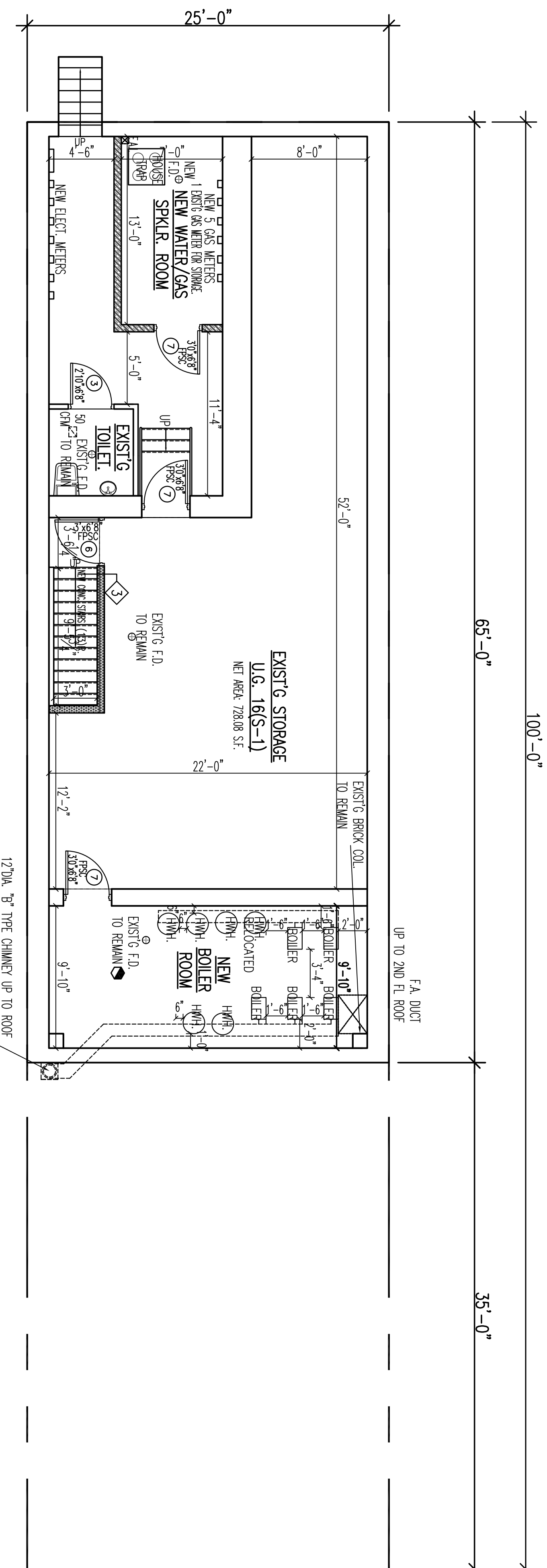
Figure 4.0
Soil and Groundwater
Sample Locations

APPENDIX A
RECONSTRUCTION PLANS





FIRST FLOOR PLAN
SCALE: 3/16"=1'-0"



CELLAR FLOOR PLAN
SCALE: 3/16"=1'-0"

BOILER & HVAC INFORMATION	
(G)HWS: A0.5MWH	BOILER ROOM REQUIRED FRESH AIR CALCULATION AS PER D.O.B. MEMO 12/21/19/22
MODEL #XV-50	ONE SQUARE INCH PER 1,000 BTU INPUT PROVIDED
MEA #3385-04-E	5 UNIT BOILER 1 - 70,000 BTU
(S)BOILER BY WEL MCGRAW	5 UNIT BOILER 1 - 70,000 BTU
MOD # COA-3-S20N	6 UNITS GAS FIRED H.W.H. 1=40,000 BTU
706RTU GAS WATER HEATER	TOTAL PROVIDED:
MEA #155-00-E	(5x70,000+6x40,000)=590,000 BTU
	590,000 / 1000 = 590 SQ.IN.
	PROVIDED FRESH MAKE SIZE:
	(20'x30')=600 SQ. FT. > 590 SQ.IN. ---OK

BOILER, BOILER FLUE & VENT NOTES

1. FIXED VENT FOR BOILER COMBUSTION AIR TO BE PROVIDED AT A RATE OF 1 SQ. IN. PER 1000 BTU OF BOILER INPUT.
2. BOILER TO BE MEA/BSA APPROVED AND OF A CAPACITY TO MEET REQUIREMENTS OF N.Y.S. ENERGY CODE AND N.Y.C. BUILDING CODE, WHICHEVER IS MORE STRINGENT. (WEL MCGRAW MEA #159-75-E OR APPROVE EQUIV.)
3. ALL GAS-BURNING EQUIPMENT THAT PRODUCES FLUE GAS TEMPERATURES IN EXCESS OF 400°F SHALL PROVIDE CHIMNEY AS PER TABLE 15-4.5 OR 6
4. FACTORY-BUILT CHIMNEYS AND GAS VENTS SHOULD BE INSTALLED AS PER CGS-1500.7
5. DUCTS PASSING THROUGH TWO OR MORE FLOORS OR THROUGH ROOF AND HAVING CROSS-SECTIONAL AREA OF MORE THAN 2 SQ. FT. SHALL BE ENCLOSED IN SHEET WITH NON-COMBUSTIBLE MATERIALS HAVING 2 HOUR FIRE RESISTANCE.
6. FLUE DAMPERS-DAMPERS IN FLUES SHALL BE CONSTRUCTED SO THAT THEY CANNOT COMPLETELY CUT OFF THE PASSAGE OF THE FLUE GASES AT ANY TIME. TIGHT CLOSING DAMPERS MAY BE INSTALLED WITH APPROVED AUTOMATIC DRAFT AND COMBUSTION CONTROLS.

BOILER ENCLOSURE

1. THE AREA OF THE BOILER ENCLOSURE NOT TO EXCEED 300 SQUARE FEET.
2. BOILER ENCLOSURE TO BE CONSTRUCTED OF 4" CSPRM BLOCK BSA CUL 638-41-SM.
3. REGISTER DAMPER AND FUSIBLE LINK ON THE BOILER ENCLOSURE SIDE BSA CUL # 292-71-SM.
4. FIRE RETARD THE BOILER ENCLOSURE CEILING WITH 1/2" SHEET ROCK ONE HOUR RATED.
5. THE DOOR TO THE BOILER ENCLOSURE TO BE ONE (1) HOUR TEST FIREPROOF SELF CLOSING.
6. BOILER ENCLOSURE TO HAVE A CONCRETE FLOOR.
7. PROVIDE 18" MINIMUM CLEARANCE FOR THE BOILER.
8. EMERGENCY SHUTOFF CONTROLS FOR THE BOILER TO BE LOCATED OUTSIDE THE BOILER ENCLOSURE.
9. REGISTER DAMPER AREA TO BE ONE SQUARE INCH PER 1,000 BTU INPUT.
10. NO METERS IN BOILER ENCLOSURE.
11. NO STORAGE IN BOILER ENCLOSURE.

BOILER ROOM AS PER MDLRS

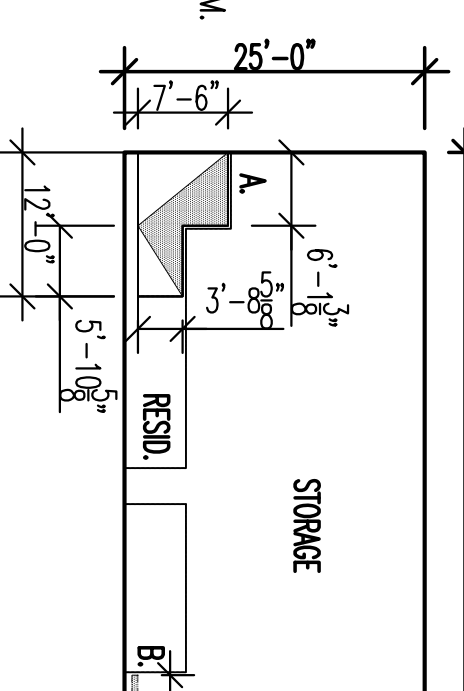
1. EXCEPT AS HEREAFTER PROVIDED, IN EVERY MULTIPLE DWELLING ERRECTED AFTER APRIL EIGHTEENTH, NINETEEN HUNDRED TWENTY-NINE, WHICH IS FOUR STORIES OR MORE IN HEIGHT THE BOILER SHALL BE ENCLOSED IN A ROOM OR SPACE CONSTRUCTED WITH FIREPROOF WALLS EXTENDING FROM THE FLOOR CONSTRUCTION TO THE CEILING CONSTRUCTION, AND ALL OPENINGS THEREFROM TO OTHER PORTIONS OF THE DWELLING SHALL BE EQUIPPED WITH FIREPROOF DOORS AND ASSEMBLIES WITH THE DOORS SELF-CLOSING, HOWEVER, IN ALL MULTIPLE DWELLINGS, ON THE AFTER JANUARY FIRST, NINETEEN HUNDRED SIXTY-SIX, A ROOM OR SPACE PROVIDED WITH A CENTRAL HEATING PLANT SHALL BE COMPLETELY ENCLOSED WITH INCORRUSTIBLE MATERIALS HAVING A STANDARD FIRE-RESISTIVE RATING OF AT LEAST ONE HOUR.
2. IN SUCH A DWELLING ACCESS TO A CELLAR OR LOWEST STORY IN WHICH A BOILER IS LOCATED SHALL NOT BE THROUGH ANY BOILER ROOM, NOR SHALL ANY CELLAR OR BASEMENT STAIR OR ANY SHAFT BE INSTALLED WITHIN A BOILER ROOM.
3. THE DEPARTMENT SHALL HAVE THE POWER TO MAKE SUPPLEMENTARY REGULATIONS RELATING TO BOILER OR FURNACE ROOMS.

NOTE: SEC. 65 OF THE M.D.L., SINCE IT WAS AMENDED JANUARY 1, IS NOW APPLICABLE TO ARTICLES 6 (CONVERTED DWELLINGS) AND 7 (TENEMENTS, OLD LAW AND NEW LAW).

***AS AMENDED, CH. 842, L. 1965, EFFECTIVE JANUARY 1, 1966)

DEDUCTION OF FIRST FLOOR

KEY PLAN OF ALL FL.	
BLDG. GROSS AREA 2,965.00 SF.	
A. CORRIDOR DEDUCTION AREA: 0.5x(7.5x6.11+3.72x2.89)=33.87 SF.	
B. MECHANICAL DEDUCTION: 65.5' x 2.5' = 163.75 SF.	
C. MECHANICAL DEDUCTION: 12.21' x 2' = 24.42 SF.	
D. MECHANICAL DEDUCTION: 2.87' x 2.5' = 7.18 SF.	
TOTAL DEDUCTION:	44.49 SF.



LEGEND

- EXIST'G WALL TO REMAIN
- NEW CONG. FOUNDATION WALL
- NEW EXTERIOR (2HR-RATED) WALL: SEE WALL SECTION DETAIL
- NEW EXTERIOR WALL-BRICK MASONRY WALL
- CONCRETE WALL: 4" BRICK W/1" OR 2" AIR SPACE UNBARRERED TO 6" REINFORCED CONCRETE BLOCK WALL W/28A, 7/8" W.K. DUCT, MTL THS @ 24" O.C. MAX. VENT. & 32" O.C. MAX. HORIZ. MTL STUDS @16" O.C. W/ R-11 BATT INSUL. & 1/2" GYP BOARD (TYPE "X") ON THE INTERIOR (2HR. RATED PER ILL. # 1-302)
- NEW CMU BLOCK WALL
- UL DESIGN NO.: U-905 -6" CMU BLOCK WALL
- NEW 2 HOUR RATED WALL (SPRINK ENCLOSURE)
- EACH SIDE ON 2-1/2" MTL. STUD. STC 55 MASONRY CONW. (PROVIDE 24GA. 36"X45" STL. SHEET ABOVE 18" IN BET. SHEETROCK)
- NEW 2 HOUR RATED WALL (PUBLIC WALL) - DAMPERS 5/8" GYP BOARD EACH SIDE ON 2-1/2" MTL. STUD. STC 55 (BSA #301-80 SM)
- NEW HOUR RATED WALL-1 LAYER 5/8" GYP BOARD ON 2-1/2" MTL. STUD INCLUDING SOUND ATTENUATION BARRIER - STC 50 (BSA #653-73 SM)
- NON-RATED PARTITION - 1 LAYER OF FULL HT. 5/8" SHEET ROCK 5-1/2" BOTH SIDES (WITHIN APARTMENT)
- HIDDEN LINE
- MECHANICAL VENTILATION
- COMBINATION SMOKE DETECTOR/CO DETECTOR
- HARDWired CARBON MONOXIDE DETECTORS INSTALLED COMPACT W/ UL72004*
- FIRE PROOF SELF CLOSING DOOR
- EXIT
- SPRINKLER HEAD

* NOTE: SHAFT FOR GAS, ELEC. WATER COOLING WATER, PLUMBING, TEL. DATA WALL SEPARATION COMPARTMENT WITH SIBS CONNECTIONS SHIP DRAWINGS, SEPARATION TO BE TWO HOUR CONSTRUCTION. PROVIDE FIRE DAMPER WITH ALL DUCT PENETRATING FIRE RATED WALL/CEILING.

MANUFACTURER: PHILIPS-AIRE
MODEL NO.: 119W MEA # NFA-904

III. BOILER ROOM AS PER MDLRS

***1. EXCEPT AS HEREAFTER PROVIDED, IN EVERY MULTIPLE DWELLING ERRECTED AFTER APRIL EIGHTEENTH, NINETEEN HUNDRED TWENTY-NINE, WHICH IS FOUR STORIES OR MORE IN HEIGHT THE BOILER SHALL BE ENCLOSED IN A ROOM OR SPACE CONSTRUCTED WITH FIREPROOF WALLS EXTENDING FROM THE FLOOR CONSTRUCTION TO THE CEILING CONSTRUCTION, AND ALL OPENINGS THEREFROM TO OTHER PORTIONS OF THE DWELLING SHALL BE EQUIPPED WITH FIREPROOF DOORS AND ASSEMBLIES WITH THE DOORS SELF-CLOSING, HOWEVER, IN ALL MULTIPLE DWELLINGS, ON THE AFTER JANUARY FIRST, NINETEEN HUNDRED SIXTY-SIX, A ROOM OR SPACE PROVIDED WITH A CENTRAL HEATING PLANT SHALL BE COMPLETELY ENCLOSED WITH INCORRUSTIBLE MATERIALS HAVING A STANDARD FIRE-RESISTIVE RATING OF AT LEAST ONE HOUR.

2. IN SUCH A DWELLING ACCESS TO A CELLAR OR LOWEST STORY IN WHICH A BOILER IS LOCATED SHALL NOT BE THROUGH ANY BOILER ROOM, NOR SHALL ANY CELLAR OR BASEMENT STAIR OR ANY SHAFT BE INSTALLED WITHIN A BOILER ROOM.

3. THE DEPARTMENT SHALL HAVE THE POWER TO MAKE SUPPLEMENTARY REGULATIONS RELATING TO BOILER OR FURNACE ROOMS.

NOTE: SEC. 65 OF THE M.D.L., SINCE IT WAS AMENDED JANUARY 1, IS NOW APPLICABLE TO ARTICLES 6 (CONVERTED DWELLINGS) AND 7 (TENEMENTS, OLD LAW AND NEW LAW).

***AS AMENDED, CH. 842, L. 1965, EFFECTIVE JANUARY 1, 1966)

PROJECT:
62 N9TH STREET
BROOKLYN, NY 11211

NYC DOB FILING

REVISIONS:	ISSUE DATE	SHEET NO.

D.O.B./DEP REFERENCE JOB NO.

PROJECT ARCHITECT:
THOMAS C. TUNG ENGINEER, P.E.
3 8 M A R K E T S T R E E T
TEL: (646)240-5371/FAX:212-334-9506
E-MAIL: CINAATN@HOTMAIL.COM

DRAWING TITLE:
CELLAR & 1ST FL.
PLANS, NOTES

D.O.B. JOB NUMBER:
BSCAN JOB STICKER:

SCALE:	AS NOTED	PE / R.A. SEAL
DRAWN BY:	S.P.	
CHECKED:	J.W.C.	
DATE:	11/17/2011	
REVISIONS:		
D.O.B. JOB TYPE	ALT-1	

A - 001 . 00

SHEET 04 OF 11

PROJECT:
62 N9TH STREET
BROOKLYN, NY 11211

PROJECT ARCHITECT:

NYC DOB FILING

REVISIONS:	ISSUE DATE	SHEET NO.

D.O.B./DEP REFERENCE JOB NO.

PROJECT ARCHITECT:

THOMAS C. TUNG ENGINEER, P.E.
 3 8 M A R K E T S T R E E T
 T E L : (646)240-5371/FAX:212-334-9506
 E-MAIL: CINAATAN@HOTMAIL.COM

DRAWING TITLE:

2ND FL.&3RD FL. PLANS

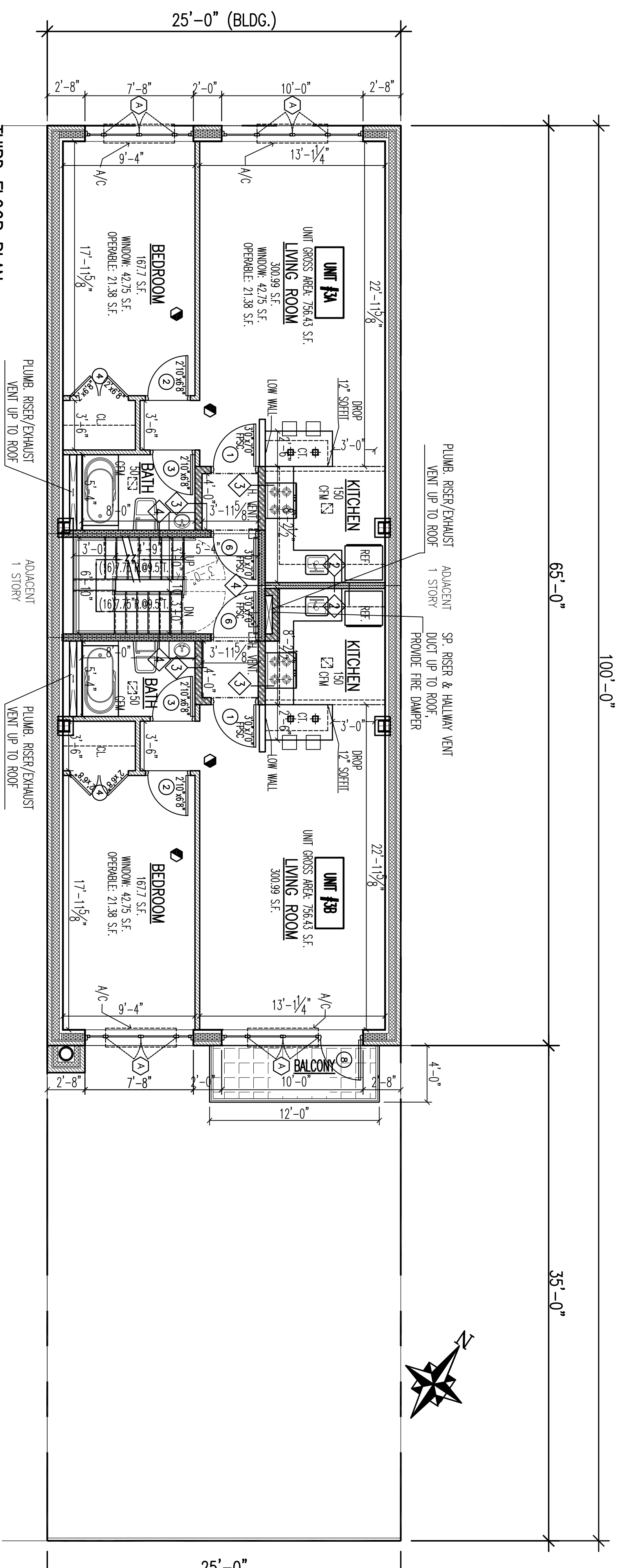
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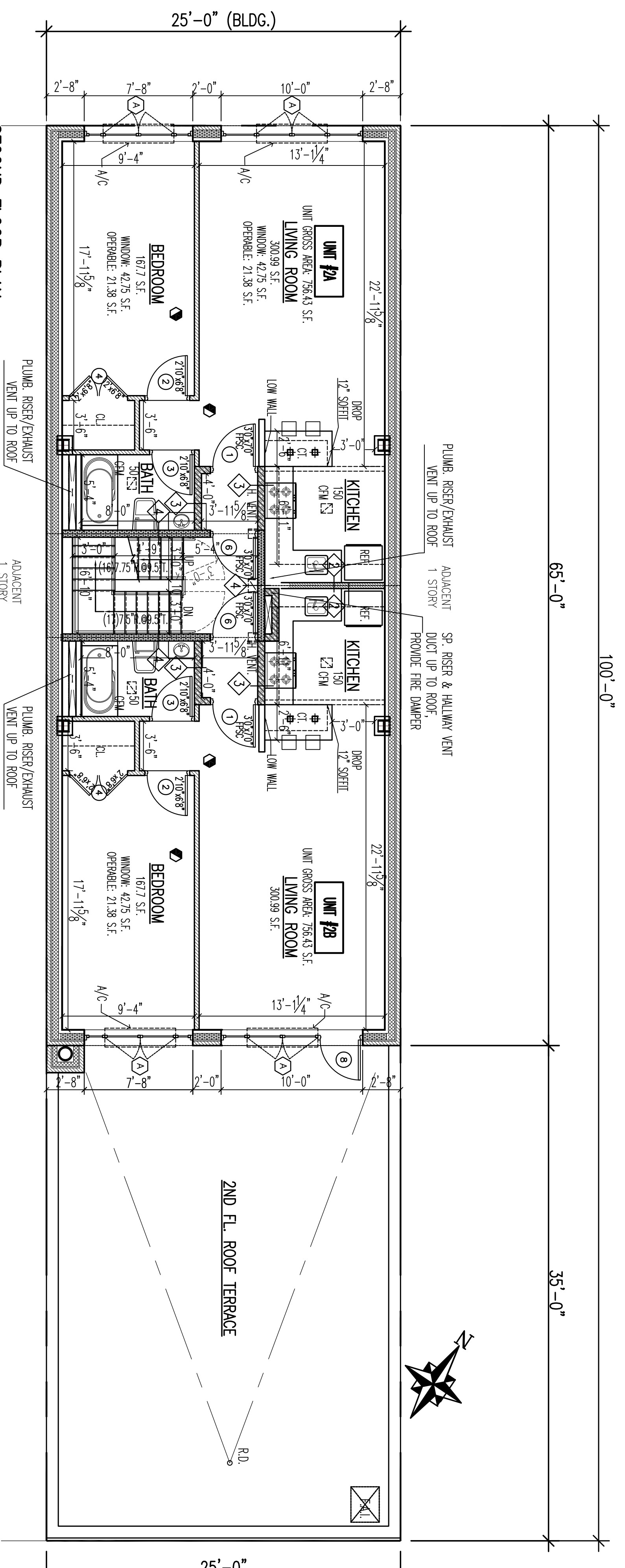
SCALE:	AS NOTED	PE / R.A. SEAL
DRAWN BY:	S.P.	
CHECKED:	J.W.C.	
DATE:	11/12/2011	
REVISED:		
D.O.B. JOB TYPE:		ALT-1

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SHEET 08 OF 11



THIRD FLOOR PLAN
 SCALE: 3/16"=1'-0"



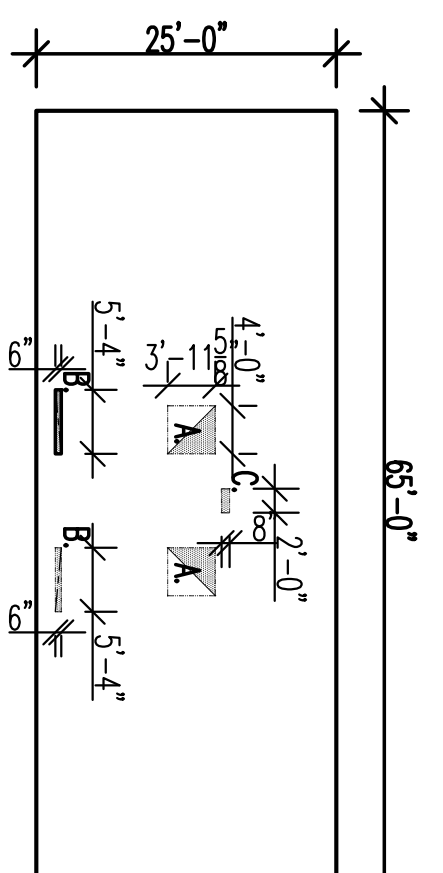
SECOND FLOOR PLAN
 SCALE: 3/16"=1'-0"

LEGEND

- EXIST'G WALL TO REMAIN
- NEW CONC. FOUNDATION WALL
- NEW EXTERIOR WALL-BRICK MASONRY WALL
 - 4" BRICK W/1" OR 2" AIR SPACE ANCHORED TO 6" REINFORCED CONCRETE BLOCK WALL W/20#4, 7/8" WIRE CLAY, INT. TES @ 24" O.C. MAX. VERT. & 32" O.C. MAX. HORIZ. INT. STUDS @16" O.C. W/ R-11 BATT INSUL. & 3/8" GIP. BOARD (TYPE X) ON THE INTERIOR (2HR. RATED PER U.L. # U-502)
- NEW CMU BLOCK WALL
 U.L. DESIGN NO.: U-905 - 8" CMU BLOCK WALL
 U.L. DESIGN NO.: U-906 - 6" CMU BLOCK WALL
- NEW 2 HOUR RATED WALL (STAIR ENCLOSURE)
 EACH SIDE ON 2-1/2" INT. STUD, STC 55 MASONRY EQUIV. (PROVIDE 2#4 36 x45" STL. SHEET ABOVE 18" IN BELT SHEETROCK)
 NEW 2 HOUR RATED WALL (PUBLIC HALL) - 2LIVERS 5/8" GIP. BOARD EACH SIDE ON 2-1/2" INT. STUD. STC 55 (BSA #301-60 SM.) INCLUDING SOUND ATTENUATION BARRIER - STC 50 (BSA #453-75 SM)
- NON-RATED PARTITION - 1 LAYER OF FULL HT. 5/8" SHEET ROCK 3-1/2" BOTH SIDES (WITHIN APARTMENT)
- HIDDEN LINE
- MECHANICAL VENTILATION
- COMBINATION SMOKE DETECTOR/CO DETECTOR
 HARDWIRED CARBON MONOXIDE DETECTORS INSTALLED COMPLY W/ UL72004*
- FIRE PROOF SELF CLOSING DOOR
- FPSIC
- EXIT
- SPRINKLER HEAD
- CEILING RECESSED LIGHTING

- 2R, 2B-25 DENSEST IN CORRIDORS
 FIVE PERCENT OF THE SQUARE FOOTAGE OF A CORRIDOR MAY BE EXCLUDED FROM THE DEDUCTION OF FLOOR AREA IF A WINDOW WITH A CLEAR, NON-TINTED, GLAZED AREA OF AT LEAST 20 SQUARE FEET IS PROVIDED IN SUCH CORRIDOR, PROVIDED THAT SUCH WINDOW:
 (A) SHALL BE DIRECTLY VISIBLE FROM 50 PERCENT OF THE CORRIDOR OR FROM THE VERTICAL CIRCULATION CORE. THIS STANDARD SHALL BE ACHIEVED WHEN A VISUALLY UNRESTRICTED STRAIGHT LINE CAN BE DRAWN BETWEEN SUCH CORRIDOR, ELEVATOR OR STAIRWELL AND THE WINDOW; AND
 (B) IS LOCATED AT LEAST 20 FEET FROM A WALL OR A PART OR FROM LOT LINE# MEASURED IN A HORIZONTAL PLANE AND PERPENDICULAR TO THE WINDOW OPENING.
- 2R, 2B-41 DENSEST PER CORRIDOR
 IF THE NUMBER OF DWELLING UNITS OR ROOMING UNITS SERVED BY A VERTICAL CIRCULATION CORE AND CORRIDOR ON EACH STORY DOES NOT EXCEED THE NUMBER SET FORTH IN THE FOLLOWING TABLE, 50 PERCENT OF THE SQUARE FEET OF THE CORRIDOR SERVING SUCH DWELLING UNITS OR ROOMING UNITS ON SUCH STORY MAY BE EXCLUDED FROM THE DEDUCTION OF FLOOR AREA.

DENSITY OF DWELLING UNITS PER CORRIDOR	NUMBER OF DWELLING UNITS AND ROOMING UNITS SERVED BY A CORRIDOR PER STORY	DENSITY
11	11	86

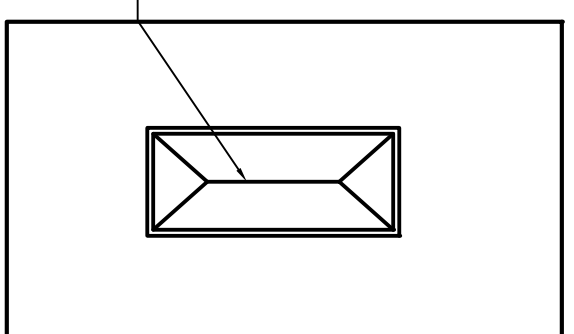


KEY PLAN OF TOP FL.

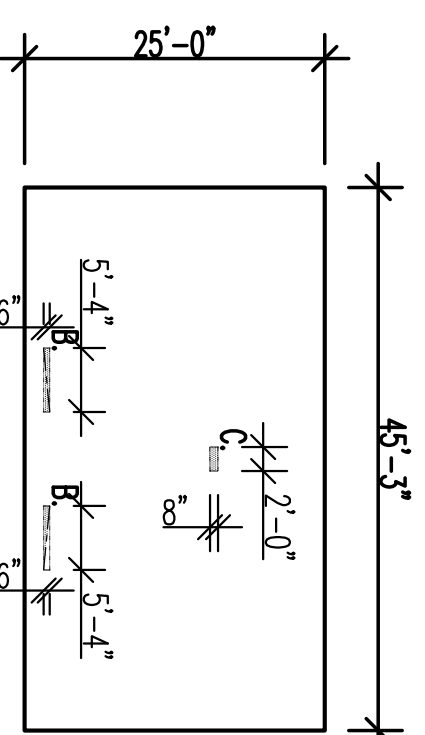
- BLDG. GROSS AREA: 1,623.00 SF.
- A. CORRIDOR DEDUCTION AREA: 243.9744 = 31.76 SF.
- B. MECHANICAL DEDUCTION: 265.33405 = 5.33 SF.
- C. MECHANICAL DEDUCTION: 270.67 = 1.34 SF.
- TOTAL DEDUCTION: 384.97 = 38.43 SF.

DEDUCTION OF TOP FLOOR

PROVIDE 3'x7' SKYLIGHT W/PLAIN GLASS AND WIRE SCREEN ABOVE/BELOW W/1/4\"/>



BULKHEAD PLAN
SCALE: 3/16\"/>



KEY PLAN OF THE FL.

BLDG. GROSS AREA: 1,131.25 SF.

B. MECHANICAL DEDUCTION: 26,337.05 = 5.33 SF.

C. MECHANICAL DEDUCTION: 2,006.7 = 1.34 SF.

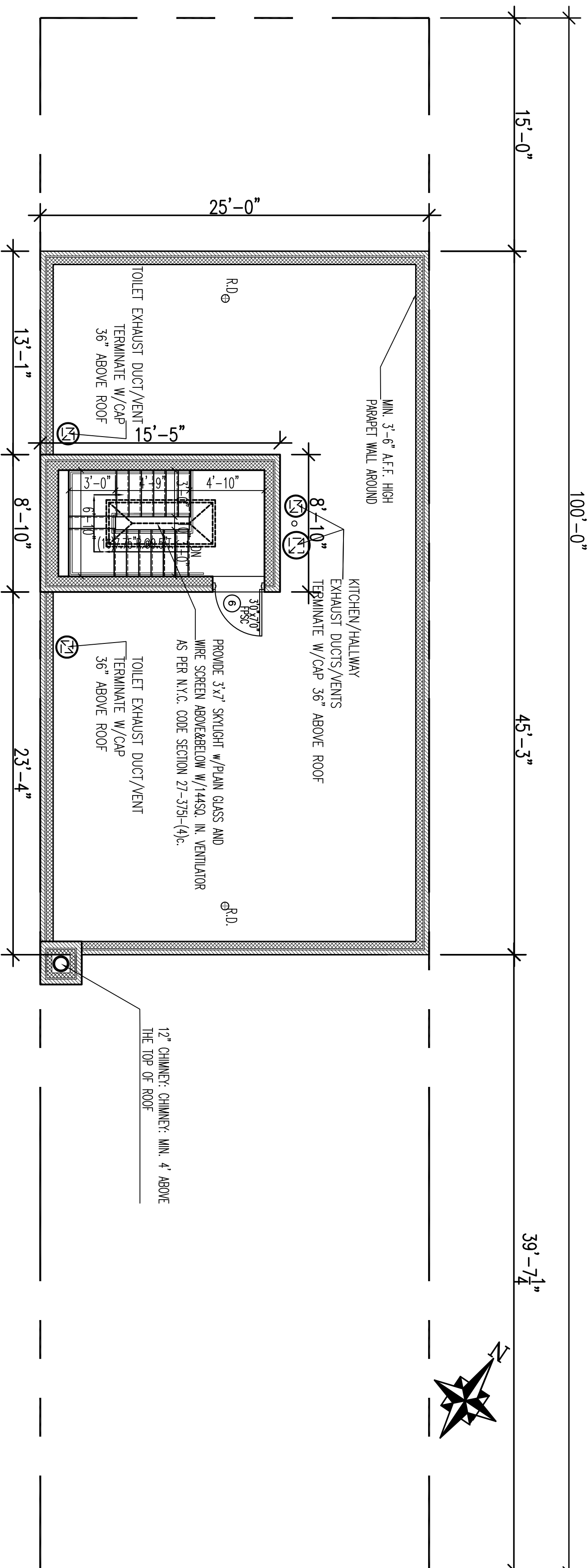
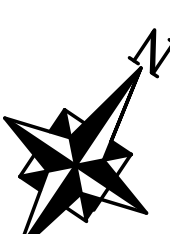
TOTAL DEDUCTION: 6.67 SF.

DEDUCTION OF 4TH FLOOR

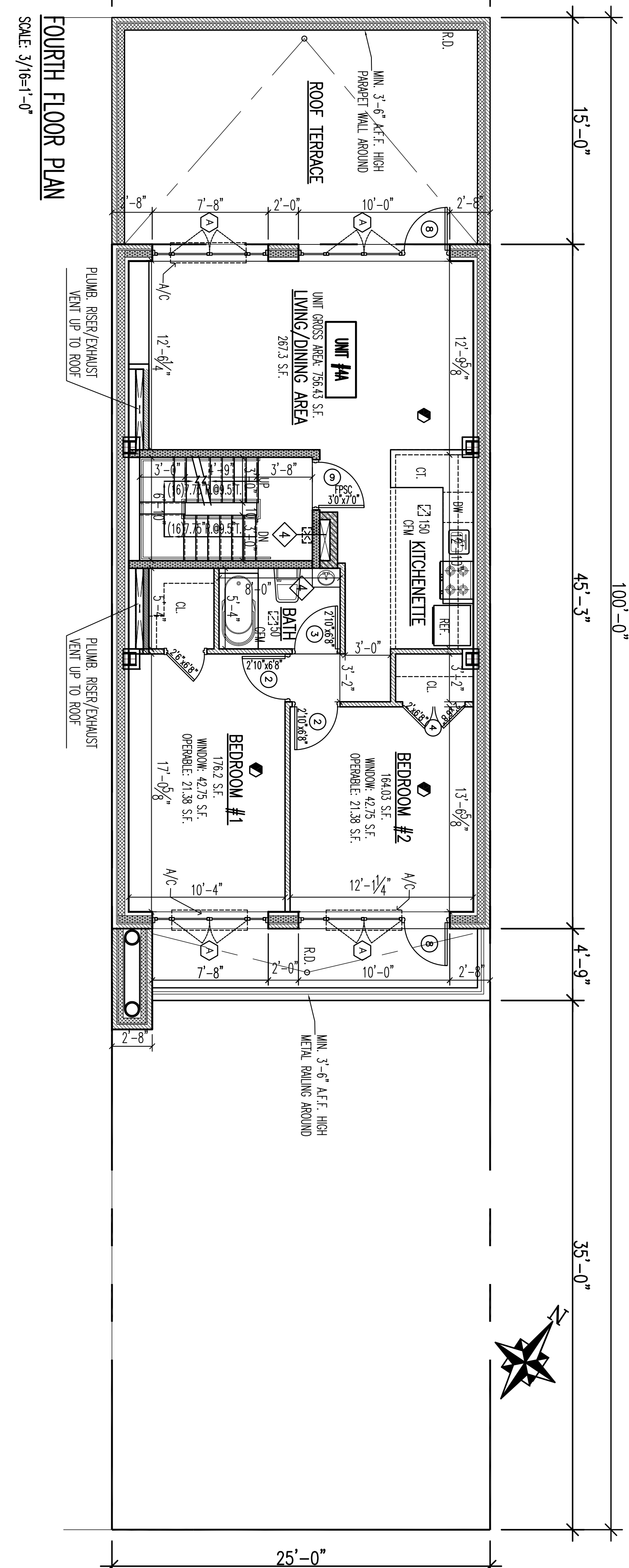
100'-0"

45'-3"

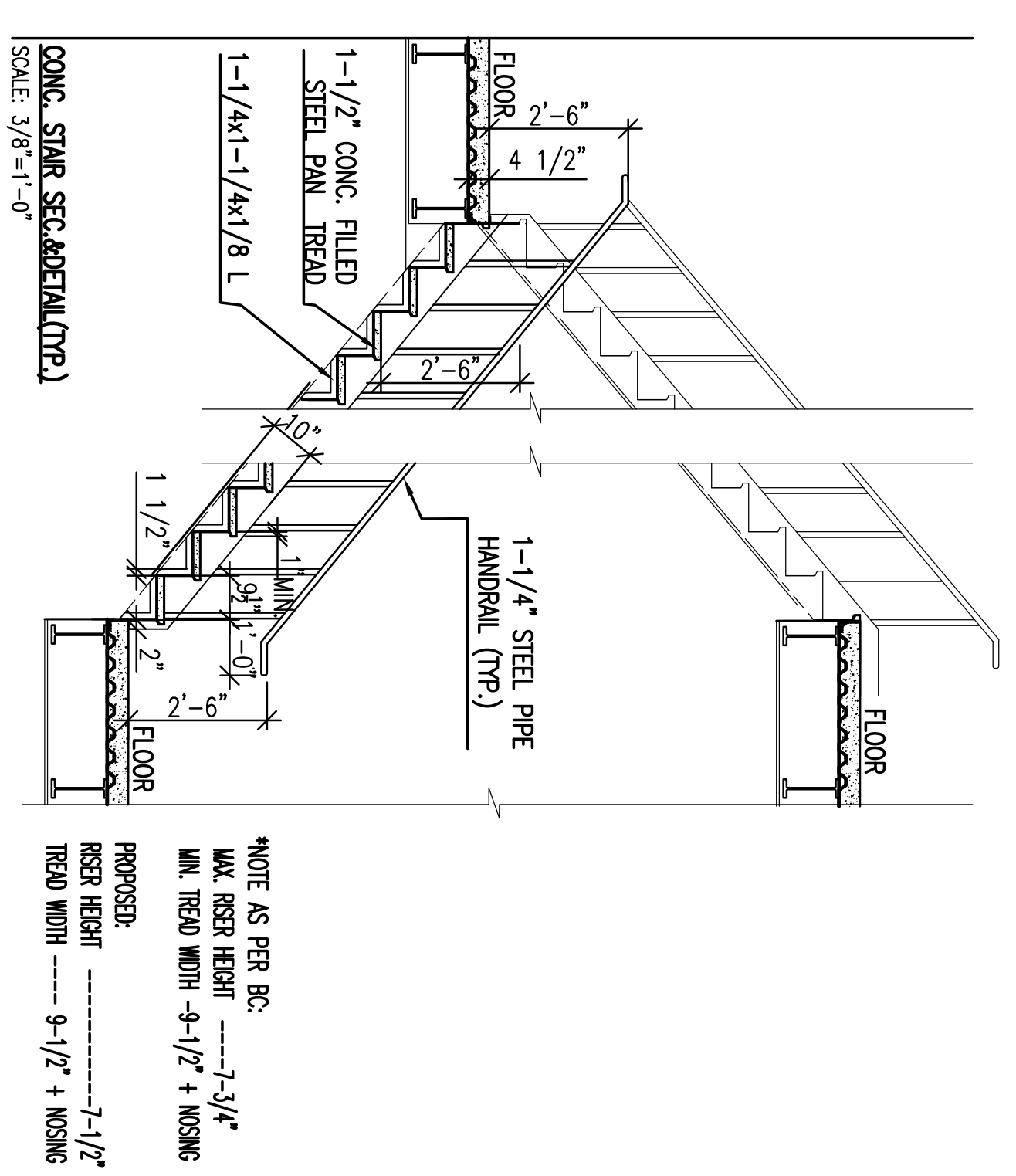
39'-7 1/2"



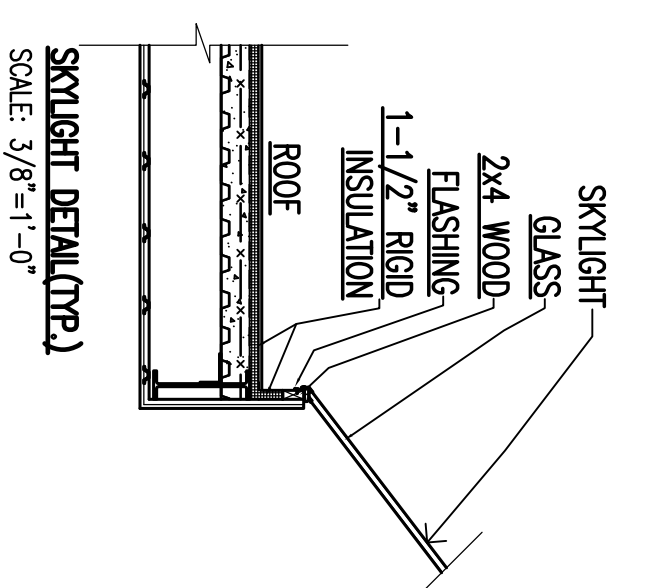
ROOF PLAN
SCALE: 3/16\"/>



FOURTH FLOOR PLAN
SCALE: 3/16\"/>

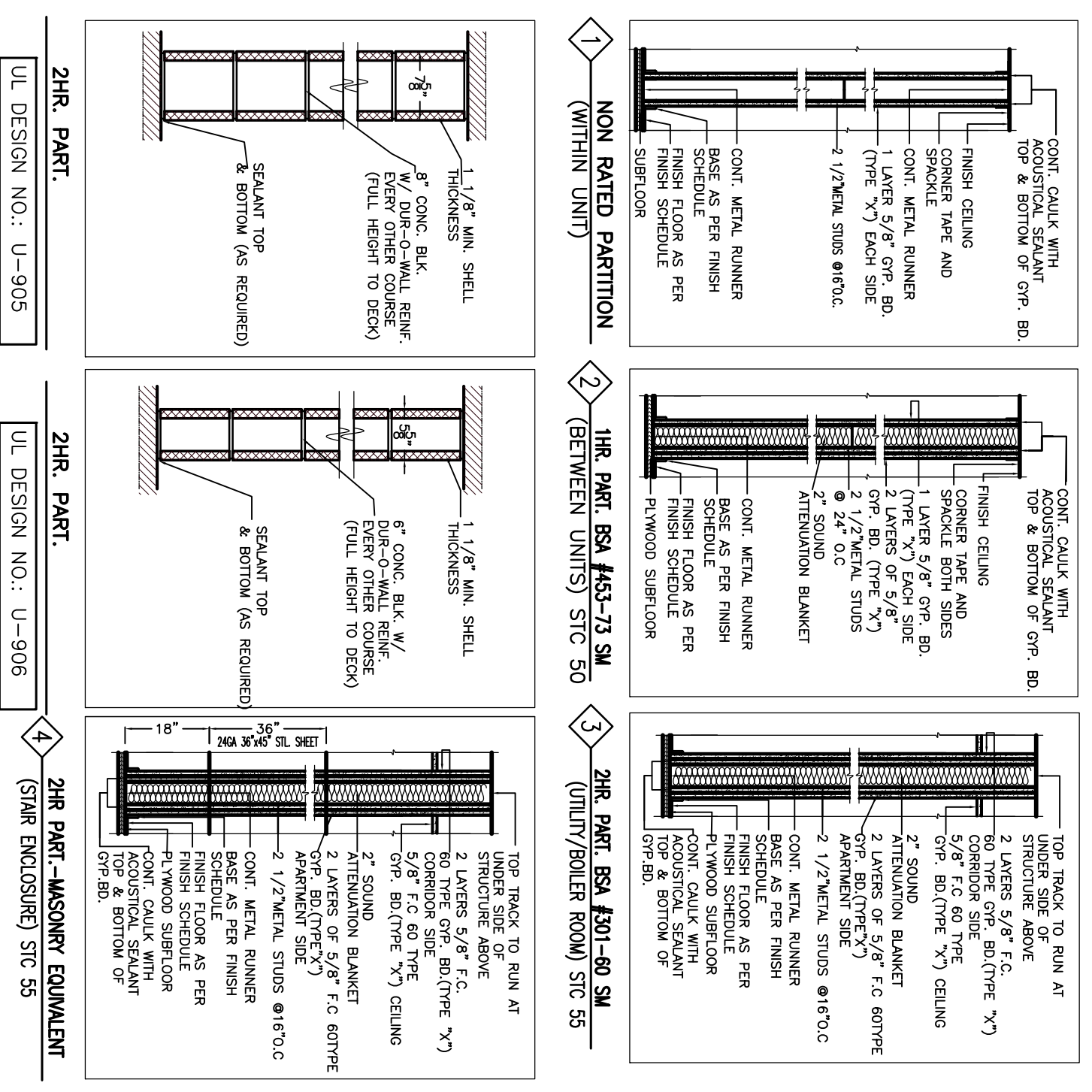


CONC. STAIR SEC. DETAIL (TYP.)
SCALE: 3/8\"/>



SKYLIGHT DETAIL (TYP.)
SCALE: 3/8\"/>

*NOTE AS PER BC:
MIN. RISER HEIGHT: 7'-3 1/4"
MIN. TREAD WIDTH: 9'-1/2" + NOSING
PROPOSED:
RISER HEIGHT: 7'-1 1/2"
TREAD WIDTH: 9'-1/2" + NOSING



2HR. PART.
UL DESIGN NO.: U-905

2HR. PART.
UL DESIGN NO.: U-906

2HR. PART. -MASONRY EQUIVALENT
UL DESIGN NO.: U-905

PROJECT:
62 N9TH STREET
BROOKLYN, NY 11211

NYC DOB FILING

REVISIONS:	ISSUE DATE	SHEET NO.

D.O.B./DEP REFERENCE JOB NO.

PROJECT ARCHITECT:

THOMAS C. TUNG ENGINEER, P.E.
3 8 M A R K E T S T R E E T
TEL: (646)240-5371/FAX:212-334-9506
E-MAIL: CINAATN@HOTMAIL.COM

DRAWING TITLE:
4TH FL. & ROOF PLANS
SCHEDULES & NOTES

D.O.B. JOB NUMBER:	BSCAN JOB STOCKER:
SCALE: AS NOTED	P.E./R.A. SEAL
DRAWN BY: S.P.	CHECKED: J.W.C.
DATE: 11/12/2011	REVISIONS:
D.O.B. JOB TYPE:	ALT-1

A — 003 . 00
SHEET 06 OF 11

PROJECT:
62 N9TH STREET
 BROOKLYN, NY 11211

NYC DOB FILING

REVISIONS:	ISSUE DATE	SHEET NO.

D.O.B./DEP REFERENCE JOB NO.

PROJECT ARCHITECT:

THOMAS C. TUNG ENGINEER, P.E.
 3 8 M A R K E T S T R E E T
 T E L : (646)240-5371/FAX:212-334-9506
 E-MAIL: QINATAN@HOTMAIL.COM

DRAWING TITLE:

ELEVATIONS

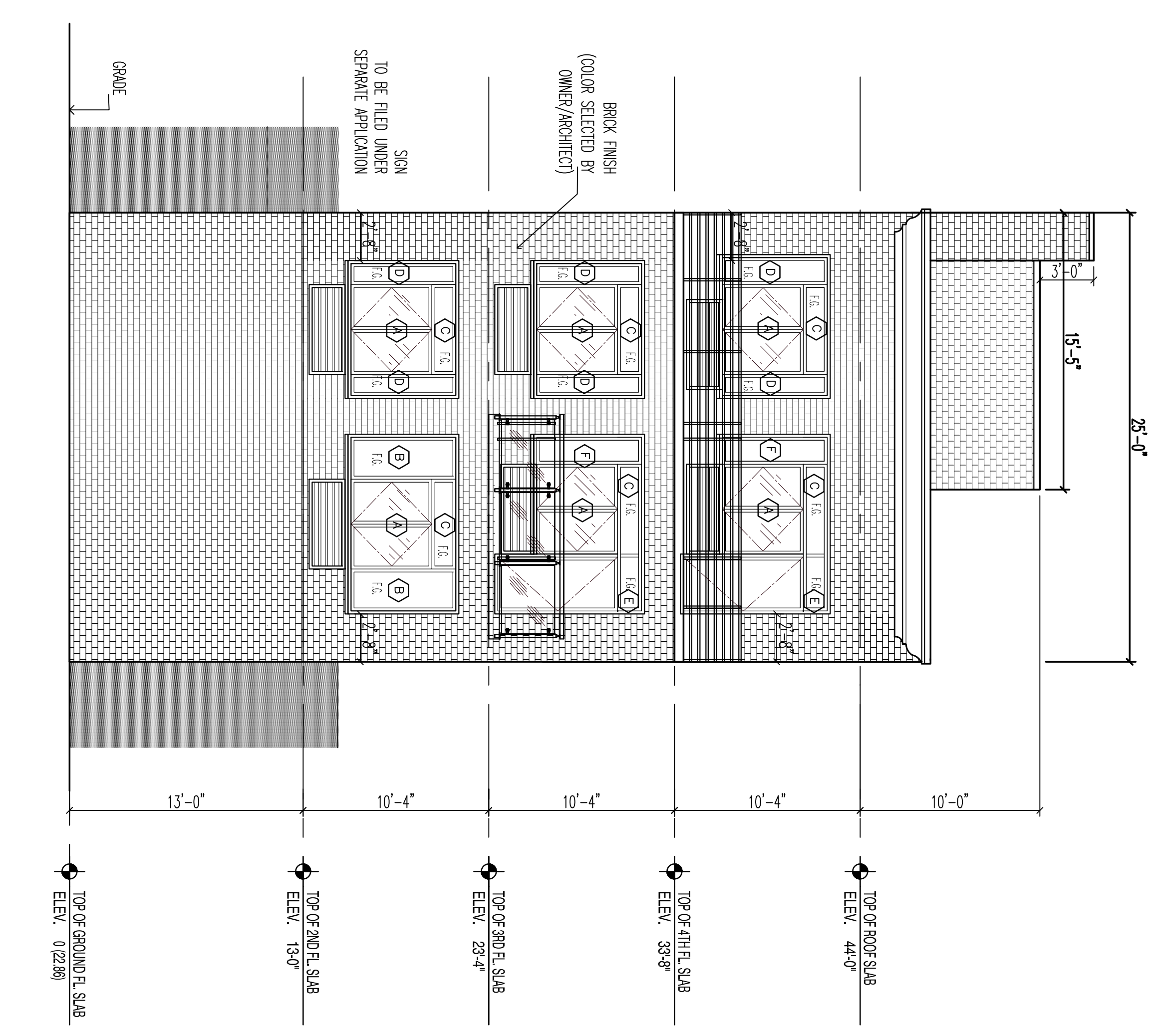
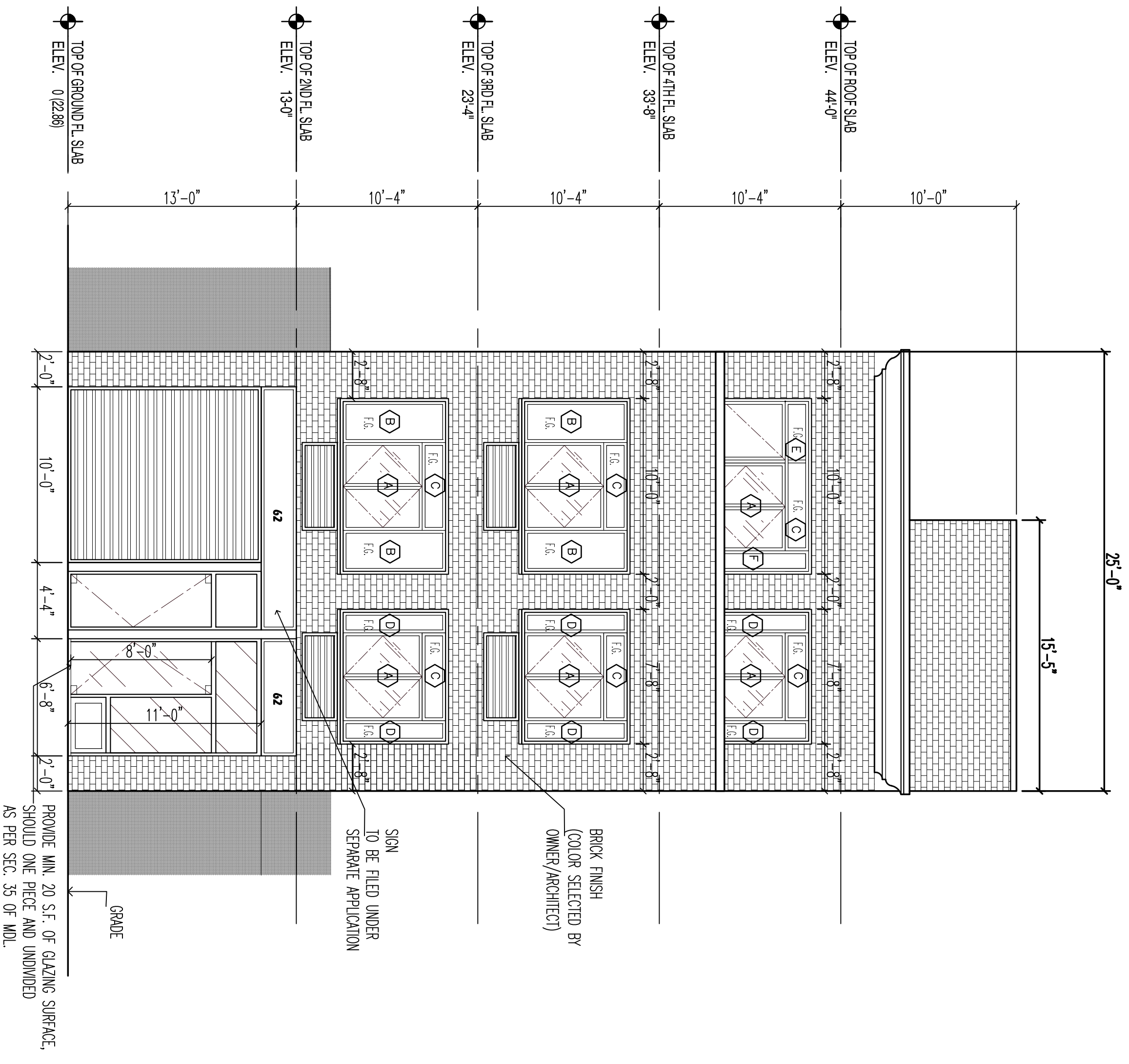
D.O.B. JOB NUMBER:

BSCAN JOB STOKER:

SCALE: AS NOTED	PE / R.A. SEAL
DRAWN BY: S.P.	
CHECKED: J.W.C.	
DATE: 11/12/2011	
REVISED:	
D.O.B. JOB TYPE	ALT-1

A — 004 . 00

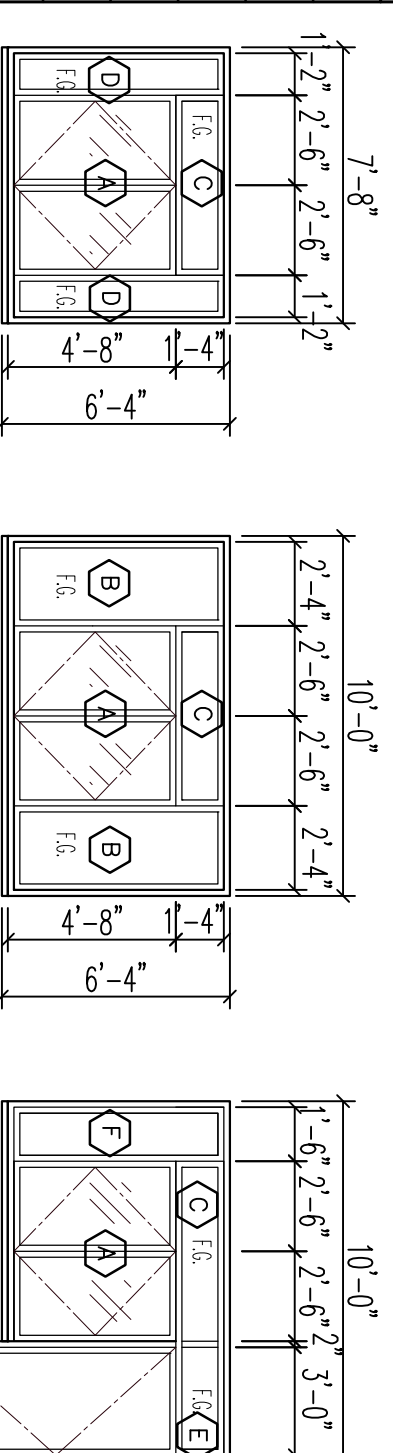
SHEET 07 OF 11



WINDOW	SCHEDULE	TYPE & MATERIAL (ANDERSEN OR APPROVE EQUAL)
NO.	SIZE(WxH)	AWNING TYPE-ST. STEEL (ANDERSEN OR APPROVE EQUAL)
(A)	(2)2'-6" x 4'-8"	FIXED GLASS STEEL (ANDERSEN OR APPROVE EQUAL)
(B)	2'-4" x 6'-4"	FIXED GLASS STEEL (ANDERSEN OR APPROVE EQUAL)
(C)	5'-0" x 1'-4"	FIXED GLASS STEEL (ANDERSEN OR APPROVE EQUAL)
(D)	1'-2" x 6'-4"	FIXED GLASS STEEL (ANDERSEN OR APPROVE EQUAL)
(E)	3'-0" x 1'-4"	FIXED GLASS STEEL (ANDERSEN OR APPROVE EQUAL)
(F)	1'-6" x 6'-4"	FIXED GLASS STEEL (ANDERSEN OR APPROVE EQUAL)

NO.	SIZE(WxH)	TYPE & MATERIAL (ANDERSEN OR APPROVE EQUAL)
(A)	(2)2'-6" x 4'-8"	AWNING TYPE-ST. STEEL (ANDERSEN OR APPROVE EQUAL)
(B)	2'-4" x 6'-4"	FIXED GLASS STEEL (ANDERSEN OR APPROVE EQUAL)
(C)	5'-0" x 1'-4"	FIXED GLASS STEEL (ANDERSEN OR APPROVE EQUAL)
(D)	1'-2" x 6'-4"	FIXED GLASS STEEL (ANDERSEN OR APPROVE EQUAL)
(E)	3'-0" x 1'-4"	FIXED GLASS STEEL (ANDERSEN OR APPROVE EQUAL)
(F)	1'-6" x 6'-4"	FIXED GLASS STEEL (ANDERSEN OR APPROVE EQUAL)

*NOTE: ALL WINDOWS SHOULD BE DOUBLE-GLAZED.
 *NOTE: DIMENSIONS SHOWN ON THIS SCHEDULE ARE APPROXIMATE. CONTRACTOR SHALL BE RESPONSIBLE TO FIELD MEASURE ALL WINDOW OPENINGS.



ELEVATION	D	O	O	R	S	C	H	E	D	U	L	E
DESIGNATION	(1)	(2)	(3)	(4)	(4a)	(5)	(6)	(7)	(8)	(9)		
LOCATION	APARTMENT ENTRY	BEDROOM	BATHROOM/TOILET	CLOSET	CLOSET	BUILDING ENTRY	SIMRSET	UTILITY ROOM	TERRACE DOOR	STORAGE		
SIZE	1: 3'-0"x7'-0"x1 3/4"	2: 2'-10"x6'-8"x1 3/8"	3: 2'-10"x6'-8"x1 3/8"	4: 1'-6"x6'-8"x1 3/8"	4a: 1'-3"x6'-8"x1 3/8"	5: 3'-0"x8'-0" (FULL HEIGHT) PROVIDE MIN. 20 SF. OF GLAZING SURFACE.	6: 3'-0"x6'-8"x1 3/4"	7: 3'-0"x6'-8"x1 3/4"	8: 3'-0"x6'-8"	9: 3'-0"x6'-8"x1 3/4"		
DOOR MATERIAL	HOLLOW METAL	HOLLOW CORE WOOD	HOLLOW CORE WOOD	HOLLOW CORE WOOD	HOLLOW CORE WOOD	ALUMINUM/TEMPERED GL.	HOLLOW METAL	HOLLOW METAL	TEMPERED GL.	HOLLOW METAL		
BUCK MATERIAL	HOLLOW METAL	HOLLOW METAL	HOLLOW METAL	---	---	HOLLOW METAL	HOLLOW METAL	HOLLOW METAL	HOLLOW METAL	HOLLOW METAL		
SADDLE	MARBLE	---	MARBLE	---	---	ALUMINIUM	ALUMINIUM	ALUMINIUM	ALUMINIUM	ALUMINIUM		
REMARK	1. 1 1/2HR. FPSC WITH HEEP HOLE & CHINE. 2. PROVIDE SELF CLOSING HARDWARE		1. 1" UNDERCUT AT INTERIOR BATH ONLY			1. PROVIDE WEATHER STRIPPING-4 SIDES. 2. PROVIDE SELF CLOSING HARDWARE	1. 1 1/2HR. FPSC 2. STAR DOOR EQUIPPED WITH WIRE GL. VISION PANEL 3. PROVIDE SELF CLOSING HARDWARE	1. 1 1/2HR. FPSC 2. PROVIDE SELF CLOSING HARDWARE	1. PROVIDE WEATHER STRIPPING-4 SIDES.	1. PROVIDE SELF CLOSING HARDWARE		

DOOR AND WINDOW SCHEDULE
 SCALE: N.I.S.

NYC ENERGY CONSERVATION CODE NOTICE(S):
 TO THE BEST OF MY KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGMENT, THESE PLANS AND SPECIFICATIONS, ALL WORK UNDER THIS APPLICATION ARE IN COMPLIANCE WITH THE ENERGY CONSERVATION CODE OF NEW YORK STATE USING CHAPTER 5, 2010 NYS ENERGY CODE.
 TABLE 502.2(1) BUILDING ENVELOPE REQUIREMENTS-OPaque ASSEMBLIES
 ----ENERGY CONSERVATION CONSTRUCTION CODE OF NYS 2010.

ITEM DESCRIPTION	CODE	PRESCRIPTIVE VALUE	PROPOSED DESIGN VALUE
NEW FLOOR(SLAB ON GRADE FLOORS)	R-15	FOR 24IN. BELOW HEATED SLABS	R-19
BELOW GRADE WALLS	NR		NR
ABOVE GRADE WALLS	R-13		R-13
NEW ROOF	R-20ci		R-30
INSULATION ENTIRELY ABOVE DECK			
ROLL-UP OR SLIDING	U-0.30		U-0.85

ITEM DESCRIPTION	CODE	PRESCRIPTIVE VALUE	PROPOSED DESIGN VALUE
METAL FRAMING WITH OR WITHOUT THERMAL BREAK	0.85		0.85
ENTRANCE DOOR U-FACTOR	0.55		0.85
ALL OTHER U-FACTOR OPERABLE WINDOWS, FIXED WINDOWS			0.85

ITEM DESCRIPTION	PROPOSED DESIGN VALUE	CODE	PRESCRIPTIVE VALUE
NEW BOILER: BY WEL MCLAIN MOD.# CGA-3-S-SPIN INPUT 70,000 BTU ME# 155-00-E QTY.: 3	82% EFFICIENCY AFUE		MINIMUM 75% EFFICIENCY AFUE (TABLE 403.7)
NEW HHW: INPUT 40,000 BTU, 50 GAL. A.O.S.MITH MODE.# XCV-50 ME# 338-04-E	78% EFFICIENCY AFUE		78% E ANSIZ21.103
ANY PIPING REQUIRED FOR BOILER (AUTOMATIC CIRCULATING SYSTEM)	R-2		MINIMUM R-2 (SEC. 403.3)

TO THE BEST OF MY KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGMENT, THESE PLANS AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE ENERGY CONSERVATION CODE OF NEW YORK STATE USING CHAPTER 4, 2010 NYS ENERGY CODE.

ITEM DESCRIPTION	CODE	PRESCRIPTIVE VALUE	PROPOSED DESIGN VALUE
METAL FRAMING WITH OR WITHOUT THERMAL BREAK	0.85		0.85
ENTRANCE DOOR U-FACTOR	0.55		0.85
ALL OTHER U-FACTOR OPERABLE WINDOWS, FIXED WINDOWS			0.85

PROJECT:
62 N9TH STREET
BROOKLYN, NY 11211

REVISIONS:	ISSUE DATE	SHEET NO.
REVISION		

NYC DOB FILING
 PROJECT ARCHITECT:
THOMAS C. TUNG ENGINEER, P.E.
 3 8 M A R K E T S T R E E T
 TEL: (646)240-5371/FAX:212-334-9506
 E-MAIL: CINAATAN@HOTMAIL.COM

DRAWING TITLE:
ENERGY ANALYSIS / DOOR & WINDOW SCHEDULES
 D.O.B. JOB NUMBER:
 BSCAN JOB STICKER:

SCALE: AS NOTED
 DRAWN BY: S.P.
 CHECKED: J.W.C.
 DATE: 11/12/2011
 REVISED:
 D.O.B. JOB TYPE: **ALT-1**

A - 005 . 00
 SHEET 08 OF 11

PROJECT:
62 N9TH STREET
BROOKLYN, NY 11211

NYC DOB FILING

REVISIONS:	ISSUE DATE	SHEET NO.

D.O.B/DEP REFERENCE JOB NO.

PROJECT ARCHITECT:

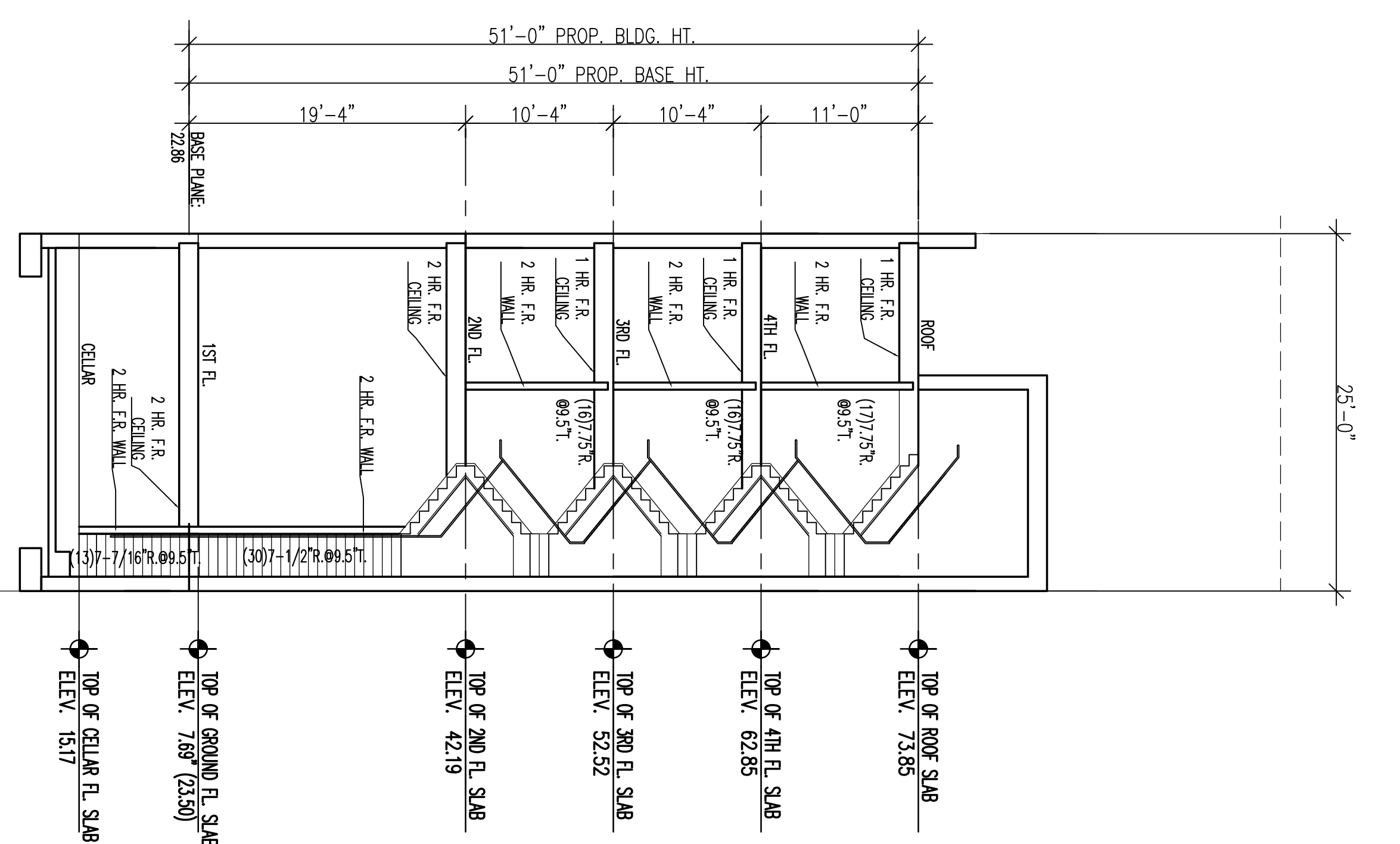
THOMAS C. TUNG ENGINEER, P.E.
 3 8 M A R K E T S T R E E T
 T E L : (646)240-5371/FAX:212-334-9506
 E-MAIL: CINAATAN@HOTMAIL.COM

BUILDING SECTIONS

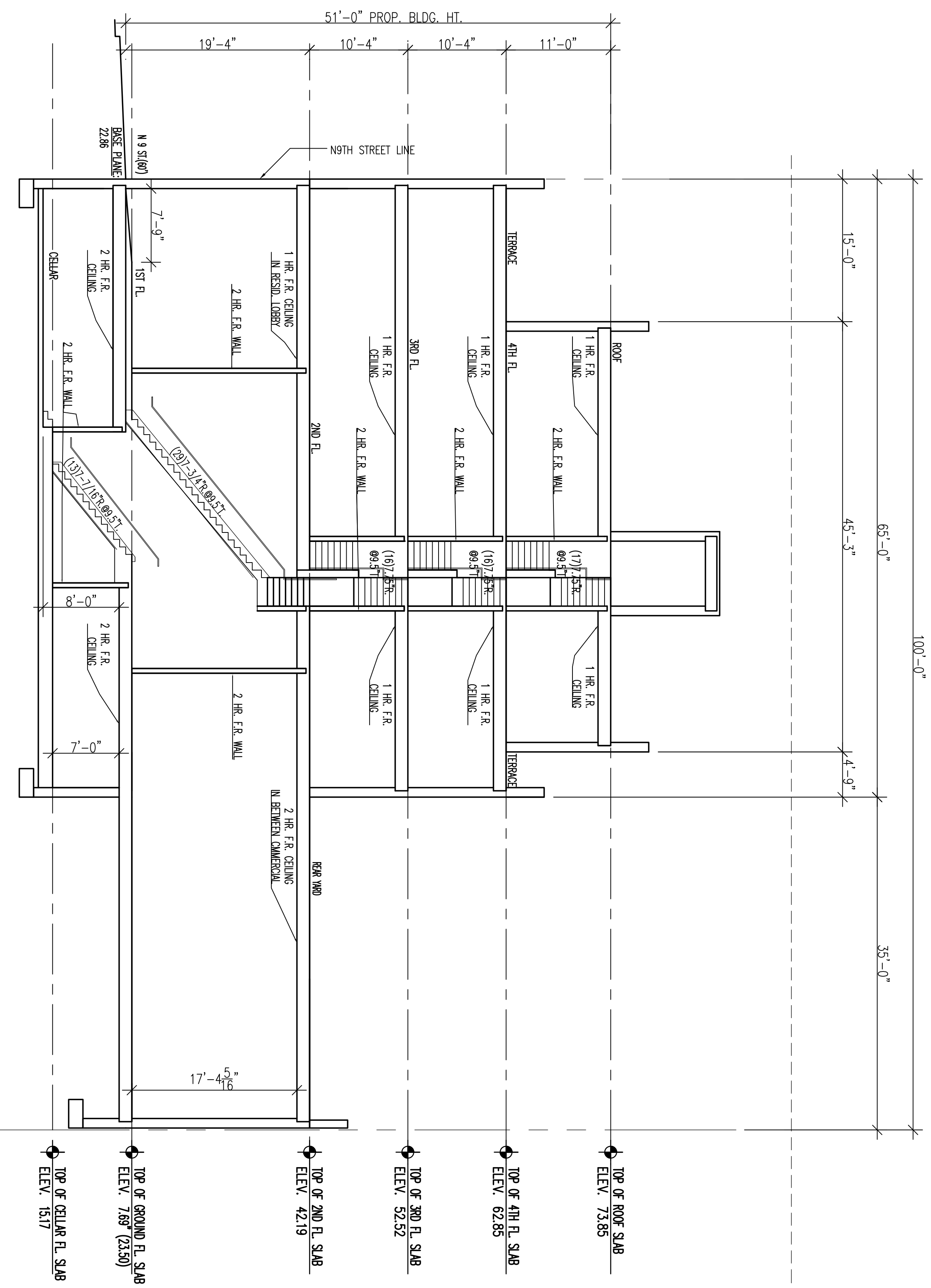
D.O.B. JOB NUMBER:
 BSCAN JOB STOKER:

SCALE: AS NOTED	PE / R.A. SEAL
DRAWN BY: S.P.	
CHECKED: J.W.C.	
DATE: 11/12/2011	
REVISED:	
D.O.B. JOB TYPE	ALT-1

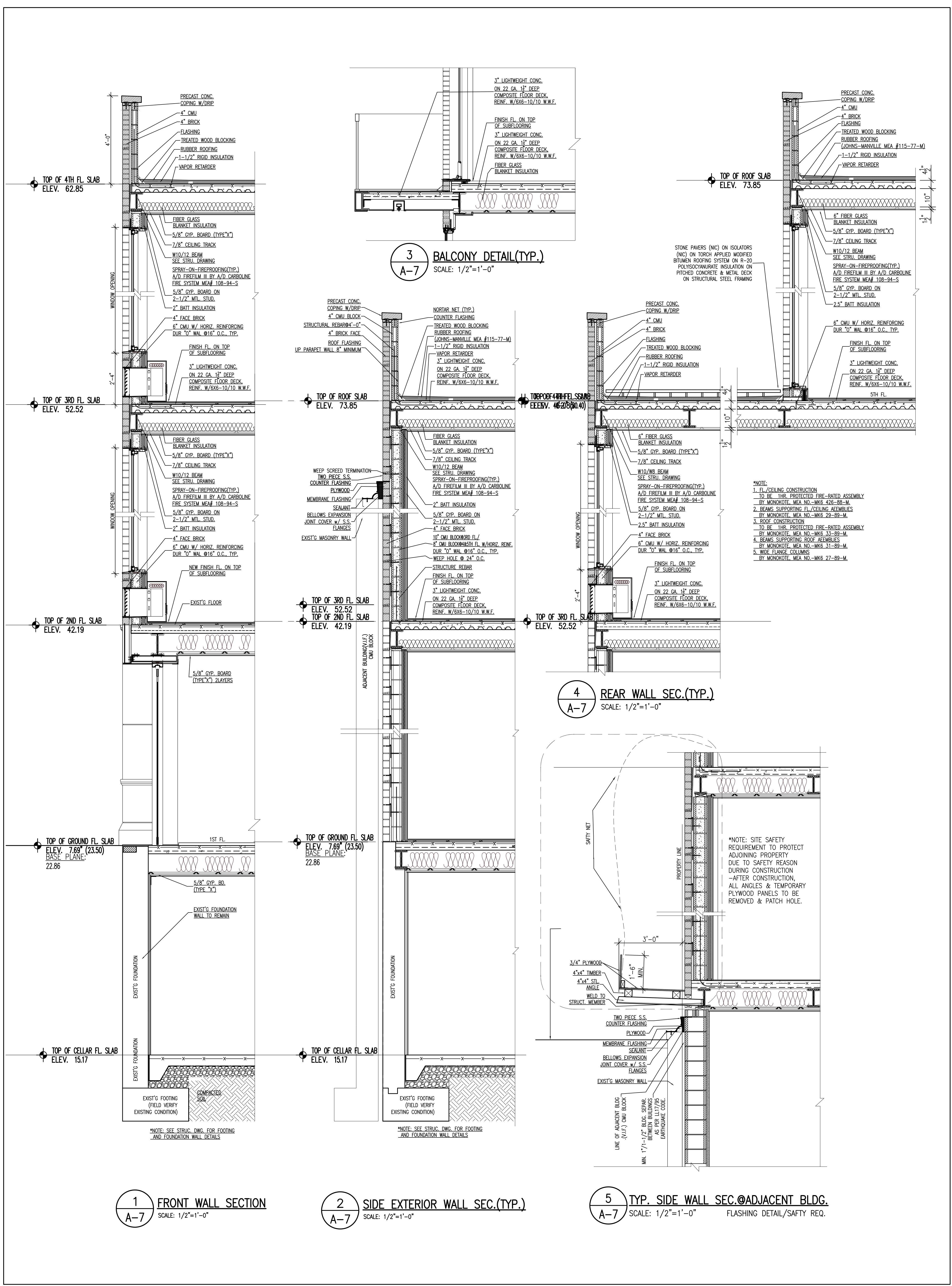
A — 006 . 00
 SHEET 09 OF 12



BUILDING SECTION B-B
 SCALE: 1/8"=1'-0"



BUILDING SECTION A-A
 SCALE: 1/8"=1'-0"



1 FRONT WALL SECTION
A-7 SCALE: 1/2"=1'-0"

2 SIDE EXTERIOR WALL SEC.(TYP.)
A-7 SCALE: 1/2"=1'-0"

3 BALCONY DETAIL(TYP.)
A-7 SCALE: 1/2"=1'-0"

4 REAR WALL SEC.(TYP.)
A-7 SCALE: 1/2"=1'-0"

5 TYP. SIDE WALL SEC.@ADJACENT BLDG.
A-7 SCALE: 1/2"=1'-0" FLASHING DETAIL/SAFETY REQ.

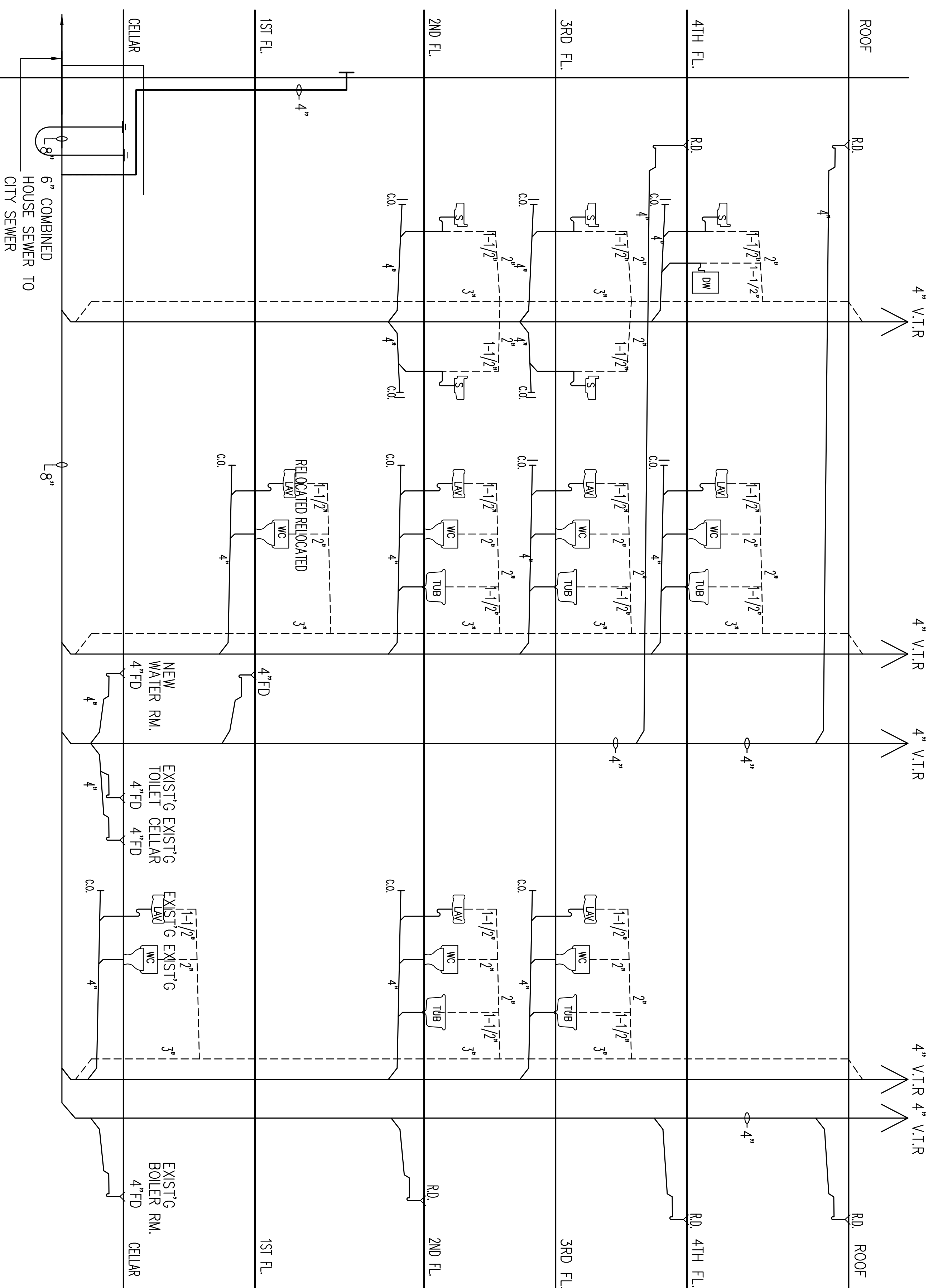
- *NOTE:**
1. FL / CEILING CONSTRUCTION TO BE THIR. PROTECTED FIRE-RATED ASSEMBLY BY MONOKOTE MEA NO.-MK6 426-88-M
 2. BEAMS SUPPORTING FL / CEILING ASSEMBLY BY MONOKOTE MEA NO.-MK6 29-89-M
 3. ROOF CONSTRUCTION TO BE THIR. PROTECTED FIRE-RATED ASSEMBLY BY MONOKOTE MEA NO.-MK6 33-89-M
 4. BEAMS SUPPORTING ROOF ASSEMBLY BY MONOKOTE MEA NO.-MK6 31-89-M
 5. WIDE FLANGE COLUMNS BY MONOKOTE MEA NO.-MK6 27-89-M

***NOTE: SITE SAFETY REQUIREMENT TO PROTECT ADJOINING PROPERTY DUE TO SAFETY REASON DURING CONSTRUCTION - AFTER CONSTRUCTION, ALL ANGLES & TEMPORARY PLYWOOD PANELS TO BE REMOVED & PATCH HOLE.**

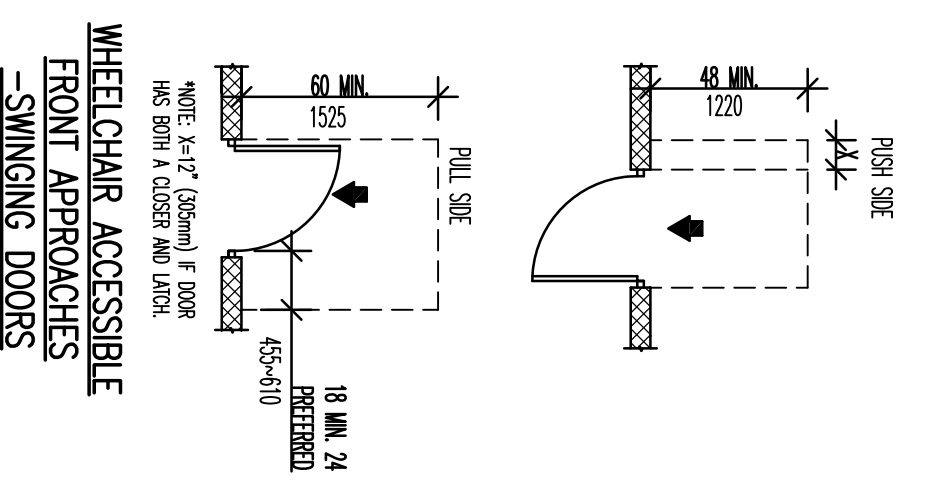
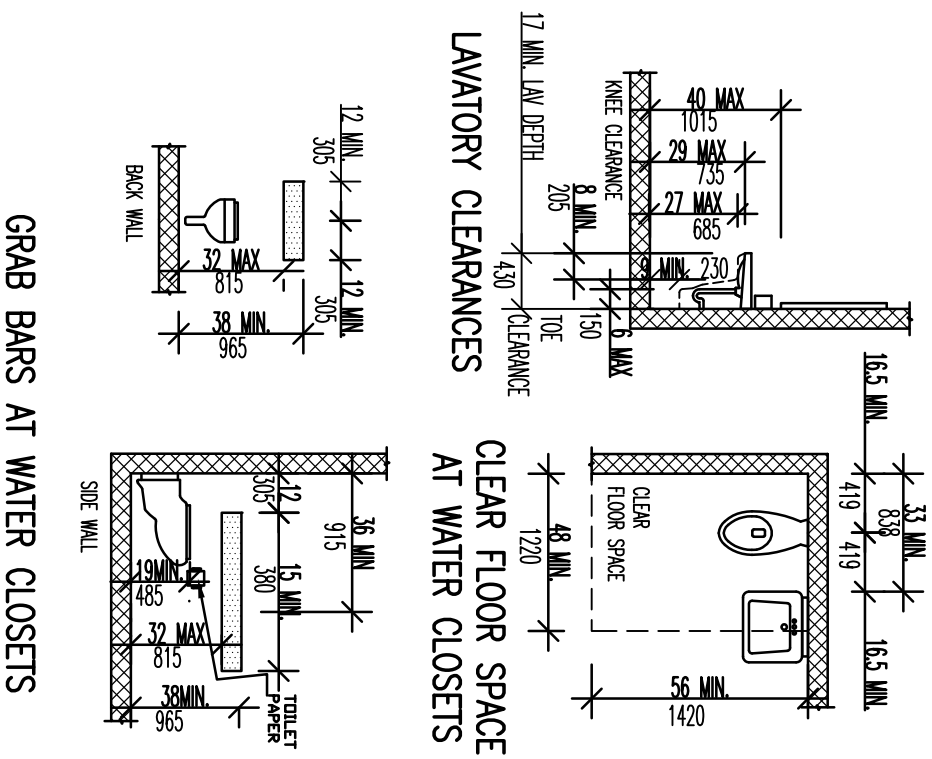
<p>D.O.B. JOB NUMBER: _____</p> <p>BSCAN JOB STOKER: _____</p>	<p>SCALE: AS NOTED</p> <p>DRAWN BY: S.P.</p> <p>CHECKED: J.W.C.</p> <p>DATE: 11/12/2011</p> <p>REVISED: _____</p> <p>D.O.B. JOB TYPE: _____</p>	<p>WALL SECTIONS</p> <p>DRAWING TITLE: _____</p> <p>PROJECT ARCHITECT: _____</p> <p>THOMAS C. TUNG ENGINEER, P.E.</p> <p>38 MARKET STREET</p> <p>TEL: (646)240-5371/FAX:212-334-9506</p> <p>E-MAIL: CINAATAN@HOTMAIL.COM</p>	<p>NYC DOB FILING</p> <p>REVISIONS:</p> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>REVISION</th> <th>ISSUE DATE</th> <th>SHEET NO.</th> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table> <p>D.O.B/DEP REFERENCE JOB NO. _____</p>	REVISION	ISSUE DATE	SHEET NO.										<p>PROJECT:</p> <p>62 N9TH STREET</p> <p>BROOKLYN, NY 11211</p>
REVISION	ISSUE DATE	SHEET NO.														

A - 007 . 00

SHEET 10 OF 11



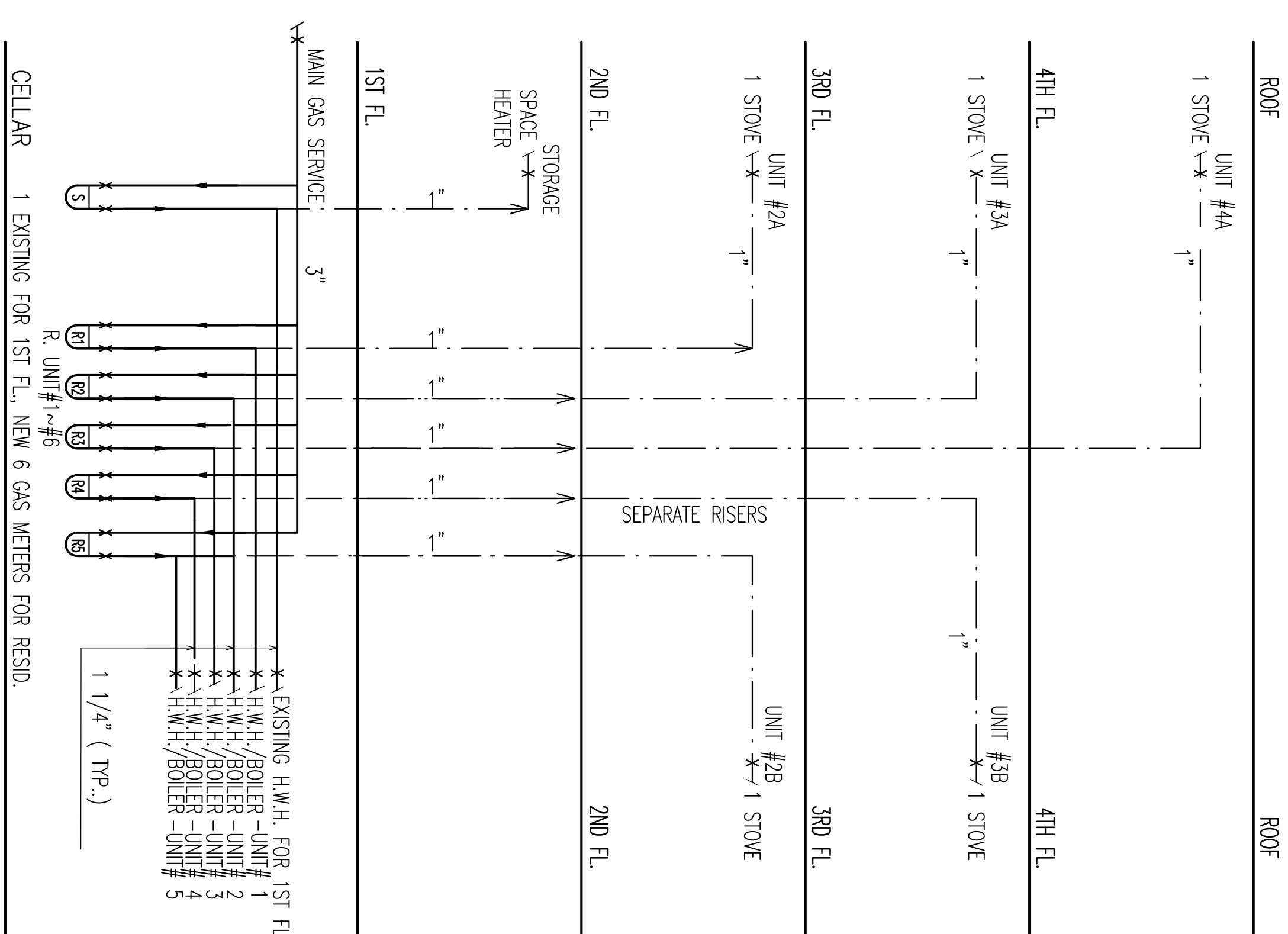
PLUMBING RISER DIAGRAM
N.T.S.



LOCAL LAW 58/87 NOTES

1. THE BUILDING SHALL COMPLY WITH PROVISIONS OF LOCAL LAW 58 OF 1987 AND APPLICABLE REQUIREMENTS OF ANSI A117.1-1986 REFERRED TO IN THE AMENDMENTS AS REFERENCE STANDARD RS 4-6.
2. AS PER SECTIONS 27-232, 27-292.5 AND 27-308 L.L.58, AN ACCESSIBLE ROUTE THAT CAN BE NEGOTIATED BY ALL CATEGORIES OF PEOPLE HAVING PHYSICAL DISABILITIES SHALL BE PROVIDED FROM THE PUBLIC SIDEWALK THROUGH THE PRIMARY ENTRANCE OF THE BUILDING TO ALL ACCESSIBLE SPACES IN THE BUILDING. RAMPS SHALL BE IN COMPLIANCE WITH REFERENCE STANDARD SECTION 4.8 RS 4-6. MAINTAINING CLEARANCE AT DOORS SHALL BE IN COMPLIANCE WITH REFERENCE STANDARD SECTIONS 4.13.6 AND RS 4-6.
3. AS PER SECTION 27-292.10 L.L.58, SPACES AND ROOMS INTENDED FOR GENERAL AND PUBLIC OCCUPANT USE SHALL BE ACCESSIBLE AND USABLE.
4. FACILITIES FOR PEOPLE HAVING PHYSICAL DISABILITIES SHALL BE PROVIDED IN TOILET ROOMS IN COMPLIANCE WITH REFERENCE STANDARD SECTION 4.16 RS 4-6 FOR WATER CLOSERS NOT IN STALLS AND SECTION 4.17 RS 4-6 FOR WATER CLOSERS IN STALLS. LAVATOIRES, SINKS AND MIRRORS SHALL BE IN COMPLIANCE WITH REFERENCE STANDARD SECTION 4.19 RS 4-6. AS PER SECTION 27-292.10 (b)(2) L.L.58, WHERE SUCH TOILET ROOM IS DESIGNED FOR USE BY NOT MORE THAN ONE PERSON AT A TIME AND HAS PROVISION FOR LOOKING FROM THE INSIDE, SUCH TOILET ROOM SHALL BE PERMITTED TO BE USED BY EITHER SEX.
5. AS PER SECTIONS 27-29.10 L.L.58, AND REFERENCE STANDARD 4.5 RS 4-6, GROUND AND FLOOR SURFACES ALONG ACCESSIBLE ROUTES AND IN ACCESSIBLE ROOMS AND SPACES, INCLUDING FLOORS, WALKS, RAMPS, STAIRS AND CURB RAMPS, SHALL BE STABLE, FIRM AND SLIP RESISTANT, AND SHALL BE MAINTAINED IN A DRY CONDITION.
6. AS PER SECTION 27-292.8(a)(2) L.L.58, ADAPTABLE UNITS SHALL BE PROVIDED WITH CLEAR DOOR OPENINGS(32") AND CLEAR FLOOR SPACES AS SET FORTH IN REFERENCE STANDARD RS 4-6.

GAS METER & RISER DIAGRAM
N.T.S.



PROJECT:
62 N9TH STREET
BROOKLYN, NY 11211

NYC DOB FILING

REVISIONS:	ISSUE DATE	SHEET NO.

D.O.B./DEP REFERENCE JOB NO.

PROJECT ARCHITECT:

THOMAS C. TUNG ENGINEER, P.E.
3 8 M A R K E T S T R E E T
T E L : (646)240-5371/FAX:212-334-9506
E-MAIL: CINATAN@HOTMAIL.COM

DRAWING TITLE:

PLUMB./GAS RISER
DIAGRAM, NOTES

D.O.B. JOB NUMBER:

BSCAN JOB STICKER:

SCALE: AS NOTED	PE./R.A. SEAL
DRAWN BY: S.P.	
CHECKED: J.W.C.	
DATE: 11/22/2011	
REVISED:	
D.O.B. JOB TYPE	ALT-1

P - 001 . 00

SITE PLAN DIAGRAM

1/20"=1'-0"

PROJECT LOCATION: 62 N 9TH ST., BROOKLYN

BLOCK: 2309

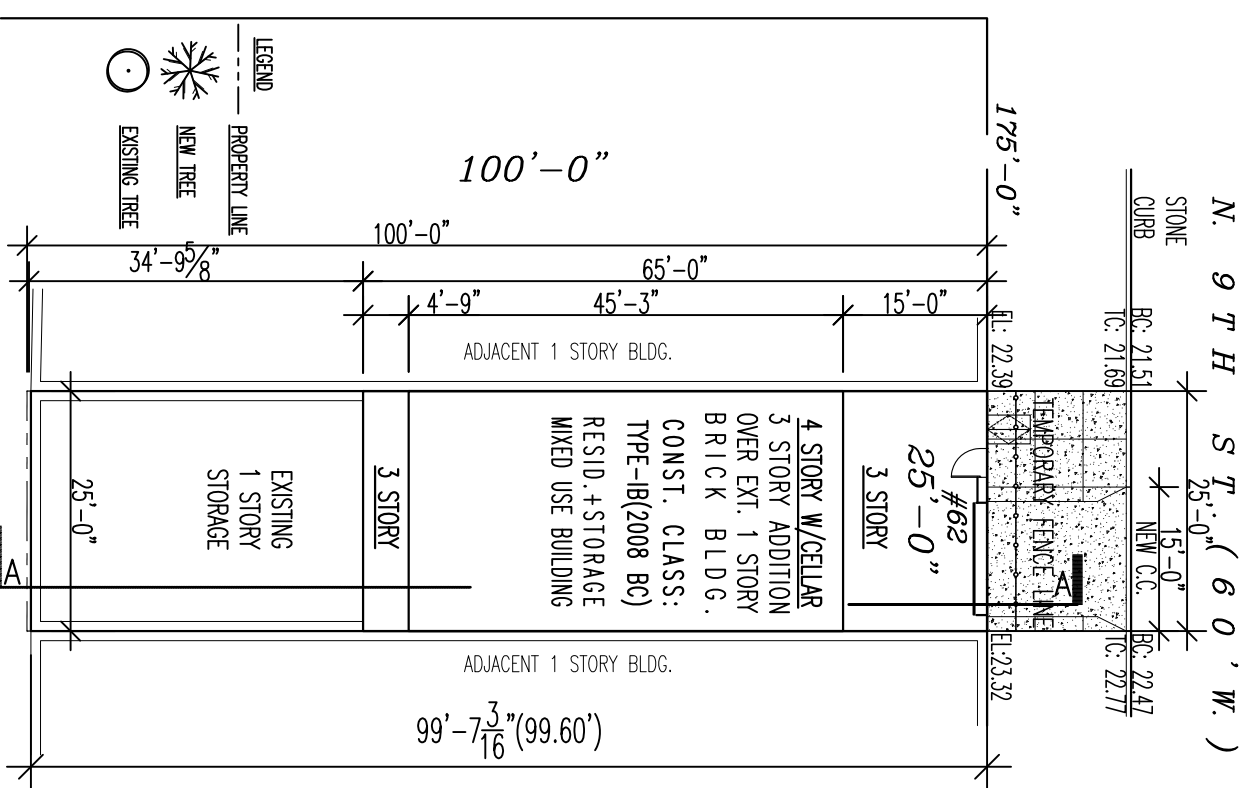
LOT: 13

MAP: 12c

ZONE: M1-2/R6A

SPECIAL ZONE: MX-8

INCLUSIONARY HOUSING DESIGNATED AREA



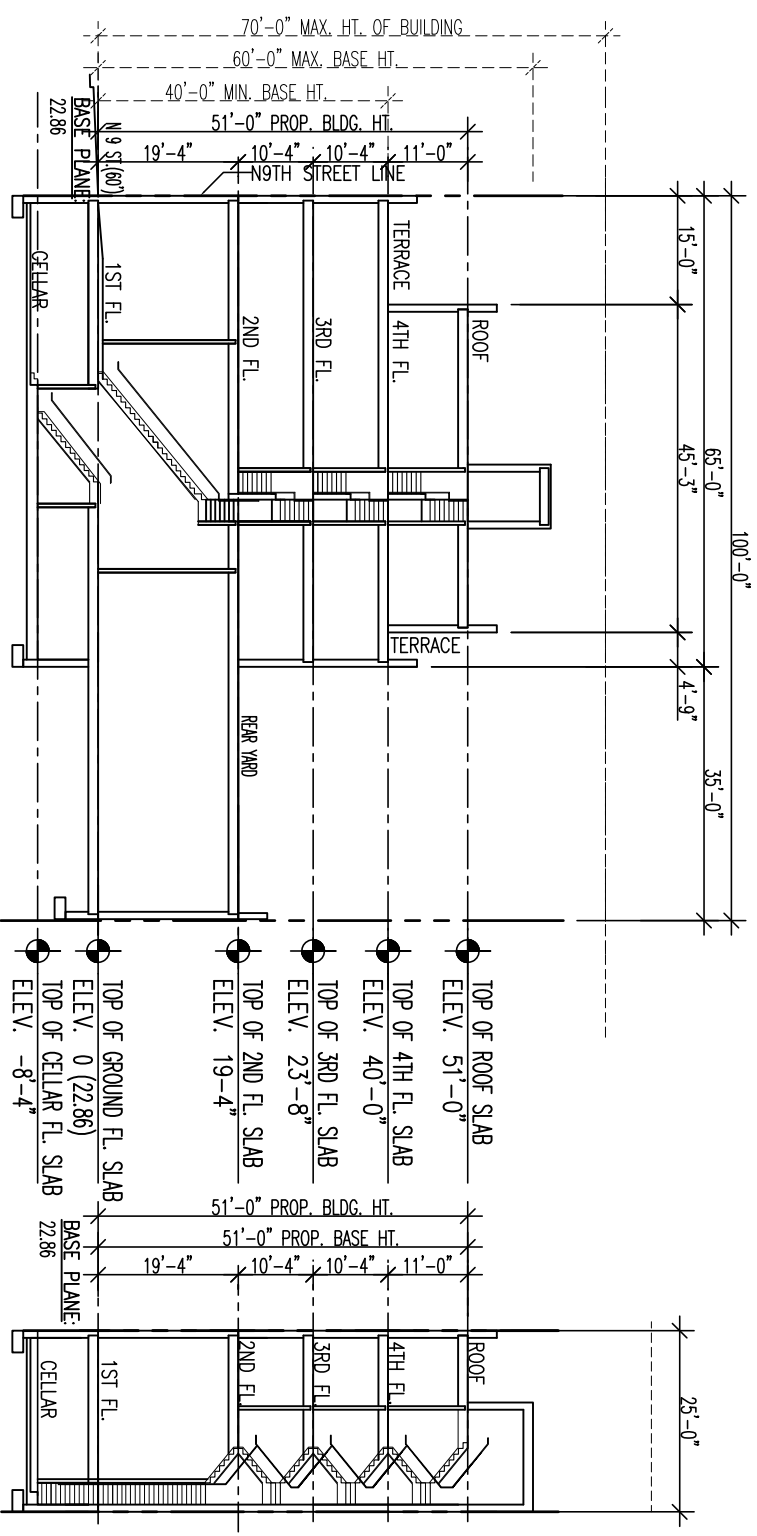
RESIDENTIAL USE
 BASE FAR : 2.70 (AS PER ZR 23-952)
 INCLUSIONARY HOUSING DESIGNATED AREAS
 LOT AREA: 2,500.00 S.F.
 MAX F.A. OF THE BUILDING:
 2,500.00 S.F.x2.7=6,750.00 S.F

MANUFACTURING OR COMM. USE
 FAR : 1.0 (AS PER ZR 123-64/43-1)
 LOT AREA: 2,500.00 S.F.
 MAX F.A. OF THE BUILDING:
 2,500.00 S.F.x1.0=2,500.00 S.F

MIN./MAX. BLDG. BASE W. HT.(123-662)-40'/60', PROPOSED 40'
 MAX. BLDG. HEIGHT (123-662) 70', PROPOSED 51'
 DWELLING UNIT: 7 D.U. ALLOWED

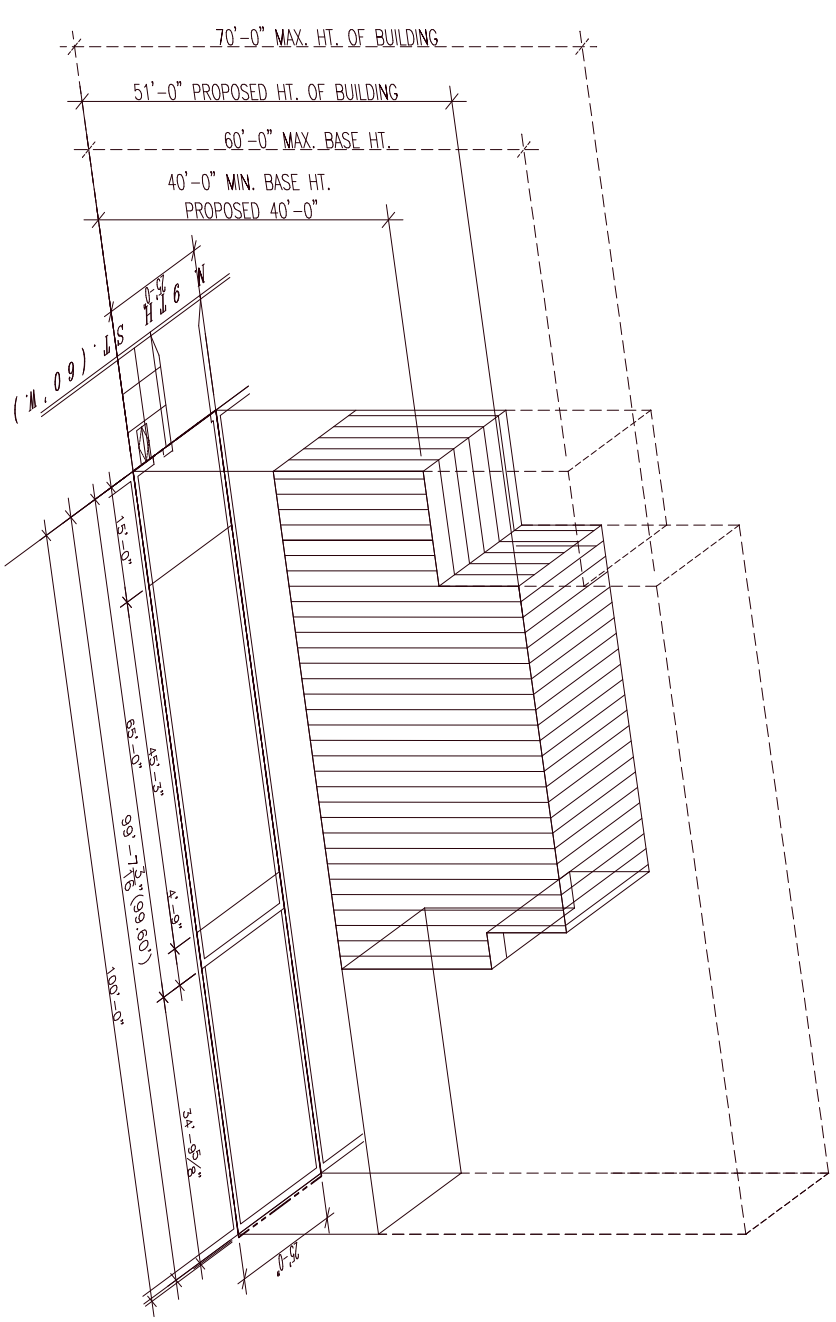
SECTION DIAGRAM

NTS



AXONOMETRIC DIAGRAM

NTS



ZD1 Zoning Diagram
 Must be typewritten.

Orient and affix BIS
 job number label here

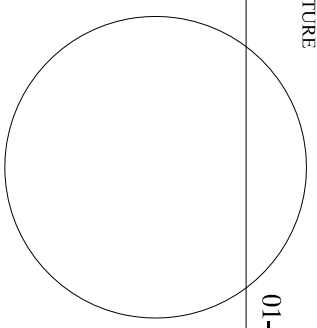
Submitted to resolve objections stated in a notice of intent to revoke issued pursuant to rule 101-15.

Location Information
 Yes No

House No(s) 62
 Street Name N 9TH STREET
 Borough BROOKLYN
 Block 2309
 Lot 13
 BIN 3061728

Falsification of any statement is a misdemeanor and is punishable by a fine or imprisonment, or both. It is unlawful to give to a city employee, or for a city employee to accept, any benefit, monetary or otherwise, either as gratuity for property performing the job or in exchange for special consideration. Violation is punishable by imprisonment or fine or both. I understand that if I am found after hearing to have knowingly or negligently falsified or allowed to be falsified any certificate, form, signed statement, application, report or certification or the correction of a violation required under the provisions of this code or of a rule of any agency, I may be barred from filing further applications or documents with the Department.

NAME(PLEASE PRINT)
THOMAS C. TUNG
 SIGNATURE
 DATE 01-02-12



P.E./R.A. Seal (apply seal, then sign and date over seal)
 Internal Use Only

BIS Doc # _____
 PLAN EXAMINER SIGN AND DATE

APPENDIX B
FIELD SAMPLING LOGS



Geologic Log

Soil Boring B-1

62 North 9th
Brooklyn, New York

Client: HTX Building Expediting		Depth to Water (ft. from grade)		Site Elevation Datum	
Site Name: Commercial Property	Address: 62 North 9th Street, Brooklyn, NY	Date	DTW	NM	
Drilling Company: Associated Environmental	Method: Geoprobe with 4' Macro-core				
Date Started: 4/12/12	Date Completed: 4/12/12			Measuring Point Elevation	
Completion Depth: 22'	Geologist: Gregory Ernst			NM	

GEOLOGY	DEPTH (ft below grade)	SAMPLES			SOIL DESCRIPTION
		Reco- very (ft.)	Blow per 6 in.	PID (ppm)	
	0				
	3.0		NA	20.0 15.0 20.0	
	4				
	4.0		NA	20.0 15.0 35.0 70.0	<u>0.0'-11.0'</u> Brown medium to fine sand with trace gravel, dry, no odor.
	8				
	4.0		NA	30.0 15.0 10.0	
	12				
	3.0		NA	5.0 10.0 5.0	<u>11.0'-14.0'</u> Brown silty clay with trace coarse sand and gravel, dry, no odor.
	16				
	4.0		NA	10.0 8.0 10.0	<u>14.0'-16.0'</u> Gray clay, dry, no odor.
	20				
	4.0		NA	5.0 10.0 10.0	<u>16.0'-22.0'</u> Red-brown medium to fine sand with grey clay stringers, no odor, wet @ 19.0'.
	24				
	2.0		NA	5.0	End of Boring
	28				Sampled 0-2 feet and 6-8 feet.
	32				Temporary well GW-1 installed to 26'.
	36				
	40				

- Coarse Sand
- Medium Sand
- Fine Sand
- W. Bedrock



NTS - Not to Scale NA - Not Applicable ND - Not Detected NM - Not Measured DTW - Depth to Water

Geologic Log

Soil Boring B-2

62 North 9th
Brooklyn, New York

Client: HTX Building Expediting		Depth to Water (ft. from grade)		Site Elevation Datum	
Site Name: Address:		Date	DTW	NM In basement ~ 8.0' below grade	
Commercial Property 62 North 9th Street, Brooklyn, NY					
Drilling Company: Method:				Measuring Point Elevation	
Associated Environmental Geoprobe slide hammer with 4' Macro-core					
Date Started: Date Completed:					
4/12/12 4/12/12				NM	
Completion Depth: Geologist:					
11' Gregory Ernst					

GEOLOGY	DEPTH (ft below grade)	SAMPLES			SOIL DESCRIPTION
		Reco- very (ft.)	Blow per 6 in.	PID (ppm)	
	0				
	4	4.0	NA	0.0	<u>0' - 4.0'</u> Red-brown medium to fine sand with gravel and gray clay stringers, dry, no odor.
	8	3.5	NA	0.0	<u>4.0' - 8.5'</u> Gray clay with trace gravel, dry, no odor.
	12		NA	0.0	<u>8.5' - 11.0'</u> Red-brown medium to fine sand, wet @ 10.0', no odor.
	16				End of Boring
	20				
	24				
	28				
	32				
	36				
	40				

Coarse Sand	Medium Sand	Fine Sand	W. Bedrock
-------------	-------------	-----------	------------



NTS - Not to Scale NA - Not Applicable ND - Not Detected NM - Not Measured DTW - Depth to Water

Geologic Log

Soil Boring B-3

62 North 9th
Brooklyn, New York

Client: HTX Building Expediting		Depth to Water (ft. from grade)		Site Elevation Datum	
Site Name: Address:		Date	DTW	NM In basement ~ 8.0' below grade	
Commercial Property 62 North 9th Street, Brooklyn, NY					
Drilling Company: Method:				Measuring Point Elevation	
Associated Environmental Geoprobe slide hammer with 4' Macro-core					
Date Started: Date Completed:					
4/12/12 4/12/12				NM	
Completion Depth: Geologist:					
10' Gregory Ernst					

GEOLOGY	DEPTH (ft below grade)	SAMPLES			SOIL DESCRIPTION
		Reco- very (ft.)	Blow per 6 in.	PID (ppm)	
	0				0.0 <u>0' - 2'</u> crushed blue stone, dry, no odor.
	4	0.5	NA		0.0 <u>2'-6'</u> Brown medium to fine sand and gravel, dry, no odor.
	8	3.0	NA		0.0 <u>6' - 8'</u> Gray clay with some gravel, dry no odor.
					0.0 <u>8'-10'</u> Brown medium to fine sand, wet at 10', no odor.
					End of Boring
	12				
	16				
	20				Sampled 0-2 feet and 8-10 feet
	24				Temporary well GW-2 installed to 16 feet.
	28				
	32				
	36				
	40				

Coarse Sand	Medium Sand	Fine Sand	W. Bedrock
-------------	-------------	-----------	------------

**Associated
Environmental
Services, Ltd.**

NTS - Not to Scale NA - Not Applicable ND - Not Detected NM - Not Measured DTW - Depth to Water

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) 62 North 9th St Brooklyn
 Well Number GW-1 Date 4/12/12
 Field Personnel G. Ernst
 Sampling Organization Associated Env Serv
 Identify MP Top of Casings

Depth to 16' 1 26' of screen
 (below MP) top bottom
 Pump Intake at (ft. below MP) 23'
 Purging Device; (pump type) Bladder
 Total Volume Purged 52

Clock Time 24 HR	Water Depth below MP ft	Pump Dial	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond. ² µS/cm	pH	ORP ³ mv	DO mg/L	Turbidity NTU	Comments
16:05	18.87	N/A	200	2	18.67	1.72	5.78	121	1.73	150	
16:10	18.91		200	1	19.03	1.68	5.49	150	0.85	115	
16:15	18.92		200	2	19.07	1.67	5.45	165	0.54	60	
16:20	18.93		200	3	19.07	1.67	5.40	172	0.50	57	
16:25	18.93		200	4	19.07	1.67	5.39	174	0.48	52	
16:30	18.91	✓	200	5	19.09	1.67	5.39	173	0.47	51	

Stabilization Criteria

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm (same as µmhos/cm) at 25 °C.
3. Oxidation reduction potential (ORP)

3% 3% ±0.1 ± 10 mv 10% 10%

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) 62 North 9th St, Brooklyn
 Well Number GW-2 Date 4/12/12
 Field Personnel G. EAMS
 Sampling Organization Associated Ear Services
 Identify MP Top of casing

Depth to 6' 1 16" of screen
 (below MP) top bottom
 Pump Intake at (ft. below MP) 13'
 Purging Device: (pump type) Bladder
 Total Volume Purged 62

Clock Time 24 HR	Water Depth below MP ft	Pump Dial	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond. ² µS/cm	pH	ORP ³ mv	DO mg/L	Turbidity NTU	Comments
10:40	10.57	N/A	200	2	19.75	8.75	5.96	178	3.23	>2000	
10:45	10.62		200	1	19.97	8.65	5.87	193	2.13	1580	
10:50	10.65		200	2	20.01	8.63	5.85	196	1.65	1190	
10:55	10.68		200	3	20.03	8.63	5.84	199	1.56	695	
11:00	10.70		200	4	20.04	8.62	5.82	202	1.49	287	
11:05	10.71		200	5	20.02	8.62	5.80	204	1.47	276	
11:10	10.72	✓	200	6	20.02	8.62	5.80	207	1.44	269	

Stabilization Criteria

3% 3% ±0.1 ± 10 mv 10% 10%

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm (same as µmhos/cm) at 25°C.
3. Oxidation reduction potential (ORP)

**NEW YORK STATE DEPARTMENT OF HEALTH
INDOOR AIR QUALITY QUESTIONNAIRE AND BUILDING INVENTORY
CENTER FOR ENVIRONMENTAL HEALTH**

This form must be completed for each residence involved in indoor air testing.

Preparer's Name Gregory ERNST Date/Time Prepared 4/11/12
Preparer's Affiliation Associated Env. Serv. Phone No. 631 234-4280
Purpose of Investigation Phase II Investigation

1. OCCUPANT:

Interviewed: Y N
Last Name: Yeong First Name: Cho Koon
Address: 62 North 9th ST, Brooklyn
County: Kings
Home Phone: NA Office Phone: 347 278 6962
Number of Occupants/persons at this location 6 Age of Occupants 30's-50's

2. OWNER OR LANDLORD: (Check if same as occupant)

Interviewed: Y N
Last Name: _____ First Name: _____
Address: _____
County: _____
Home Phone: _____ Office Phone: _____

3. BUILDING CHARACTERISTICS

Type of Building: (Circle appropriate response)

Residential
Industrial

School
Church

Commercial/Multi-use
Other: _____

If the property is residential, type? (Circle appropriate response) *NA*

- | | | |
|--------------|-----------------|-------------------|
| Ranch | 2-Family | 3-Family |
| Raised Ranch | Split Level | Colonial |
| Cape Cod | Contemporary | Mobile Home |
| Duplex | Apartment House | Townhouses/Condos |
| Modular | Log Home | Other: _____ |

If multiple units, how many? _____

If the property is commercial, type?

Business Type(s) Sheet metal Fabrication

Does it include residences (i.e., multi-use)? Y N If yes, how many? _____

Other characteristics:

Number of floors 1

Building age _____

Is the building insulated? Y N

How air tight? Tight Average Not Tight

4. AIRFLOW

Use air current tubes or tracer smoke to evaluate airflow patterns and qualitatively describe:

Airflow between floors

Airflow from basement upward through stairs and utility penetrations.

Airflow near source

No, boiler isolated in cinder block-walled room at rear of partial basement.

Outdoor air infiltration

Outdoor air enters through bilco door into basement.

Infiltration into air ducts

No ducting observed

5. BASEMENT AND CONSTRUCTION CHARACTERISTICS (Circle all that apply)

- a. Above grade construction: wood frame concrete stone brick
- b. Basement type: full crawlspace slab other Partial
- c. Basement floor: concrete dirt stone other _____
- d. Basement floor: uncovered covered covered with _____
- e. Concrete floor: unsealed sealed sealed with _____
- f. Foundation walls: poured block stone other _____
- g. Foundation walls: unsealed sealed sealed with _____
- h. The basement is: wet damp dry moldy
- i. The basement is: finished unfinished partially finished
- j. Sump present? Y/N
- k. Water in sump? Y/N not applicable

Basement/Lowest level depth below grade: 9 (feet)

Identify potential soil vapor entry points and approximate size (e.g., cracks, utility ports, drains)

Basement floor poured around boulder in floor.

6. HEATING, VENTING and AIR CONDITIONING (Circle all that apply)

Type of heating system(s) used in this building: (circle all that apply – note primary)

- Hot air circulation
Space Heaters
Electric baseboard
- Heat pump
Stream radiation
Wood stove
- Hot water baseboard
Radiant floor
Outdoor wood boiler Other _____

The primary type of fuel used is:

- Natural Gas
Electric
Wood
- Fuel Oil
Propane
Coal
- Kerosene
Solar

Domestic hot water tank fueled by: Natural Gas

Boiler/furnace located in: Basement Outdoors Main Floor Other _____

Air conditioning: Central Air Window units Open Windows None

Are there air distribution ducts present?

Y/N N

Describe the supply and cold air return ductwork, and its condition where visible, including whether there is a cold air return and the tightness of duct joints. Indicate the locations on the floor plan diagram.

NA

7. OCCUPANCY

Is basement/lowest level occupied? Full-time Occasionally Seldom Almost Never

Level General Use of Each Floor (e.g., familyroom, bedroom, laundry, workshop, storage)

Basement	<u>Storage</u>
1 st Floor	<u>Sheetmetal Shop, Office</u>
2 nd Floor	<u>NA</u>
3 rd Floor	<u>NA</u>
4 th Floor	<u>NA</u>

8. FACTORS THAT MAY INFLUENCE INDOOR AIR QUALITY

a. Is there an attached garage?

Y N

b. Does the garage have a separate heating unit?

Y N NA

c. Are petroleum-powered machines or vehicles stored in the garage (e.g., lawnmower, atv, car)

Y N NA
Please specify _____

d. Has the building ever had a fire?

Y N When? _____

e. Is a kerosene or unvented gas space heater present?

Y N Where? _____

f. Is there a workshop or hobby/craft area?

Y N Where & Type? Ground Floor Sheetmetal

g. Is there smoking in the building?

Y N How frequently? _____

h. Have cleaning products been used recently?

Y N When & Type? Office + Restroom disinfectants, cleaners.

i. Have cosmetic products been used recently?

Y N When & Type? _____

- j. Has painting/staining been done in the last 6 months? Y / N Where & When? _____
- k. Is there new carpet, drapes or other textiles? Y / N Where & When? _____
- l. Have air fresheners been used recently? Y / N When & Type? Lysol, Fabeeze daily
- m. Is there a kitchen exhaust fan? Y / N If yes, where vented? _____
- n. Is there a bathroom exhaust fan? Y / N If yes, where vented? outside thru wall
- o. Is there a clothes dryer? Y / N If yes, is it vented outside? Y / N
- p. Has there been a pesticide application? Y / N When & Type? _____

Are there odors in the building? Y / N
 If yes, please describe: doors to office & bathroom, rest is open.

Do any of the building occupants use solvents at work? Y / N
 (e.g., chemical manufacturing or laboratory, auto mechanic or auto body shop, painting, fuel oil delivery, boiler mechanic, pesticide application, cosmetologist)

If yes, what types of solvents are used? WD40, petroleum distillates,

If yes, are their clothes washed at work? Y / N

Do any of the building occupants regularly use or work at a dry-cleaning service? (Circle appropriate response)

- Yes, use dry-cleaning regularly (weekly) No
- Yes, use dry-cleaning infrequently (monthly or less) Unknown
- Yes, work at a dry-cleaning service

Is there a radon mitigation system for the building/structure? Y / N Date of Installation: _____
 Is the system active or passive? Active/Passive

9. WATER AND SEWAGE

- Water Supply: Public Water Drilled Well Driven Well Dug Well Other: _____
- Sewage Disposal: Public Sewer Septic Tank Leach Field Dry Well Other: _____

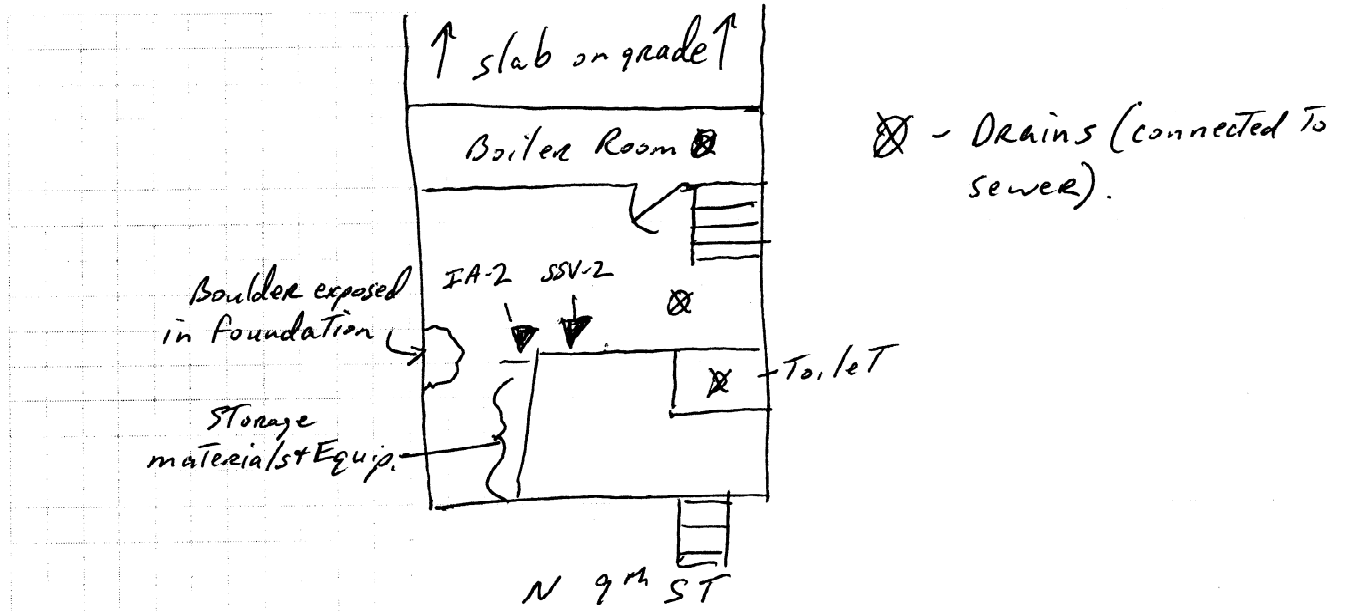
10. RELOCATION INFORMATION (for oil spill residential emergency) NA

- a. Provide reasons why relocation is recommended: _____
- b. Residents choose to: remain in home relocate to friends/family relocate to hotel/motel
- c. Responsibility for costs associated with reimbursement explained? Y / N
- d. Relocation package provided and explained to residents? Y / N

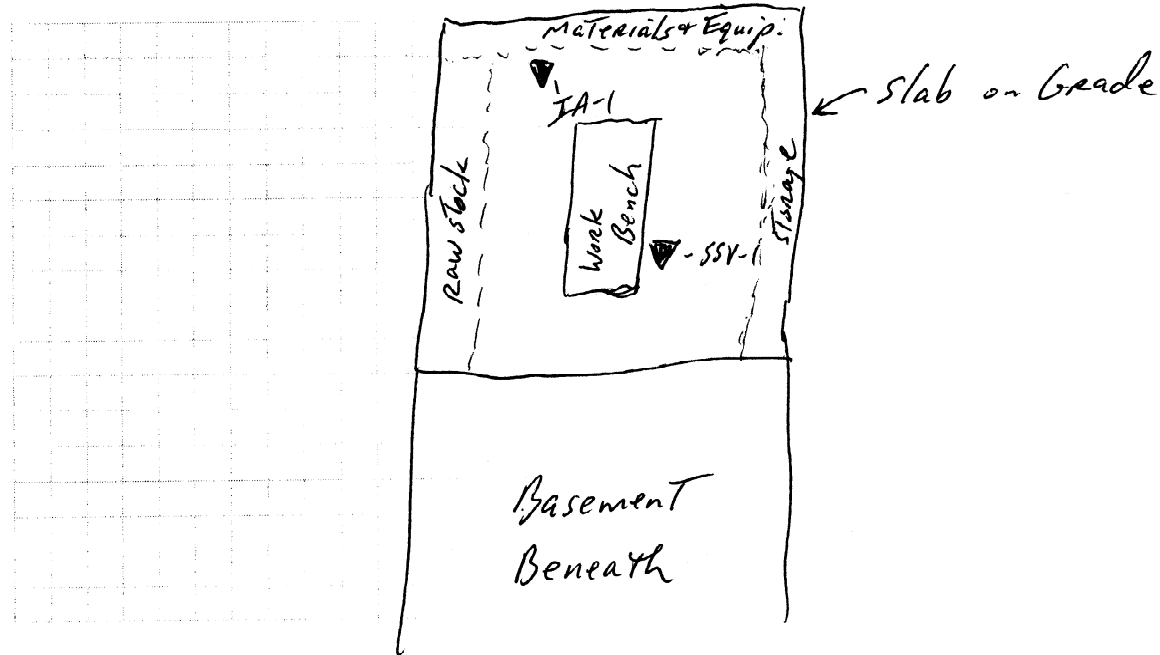
11. FLOOR PLANS

Draw a plan view sketch of the basement and first floor of the building. Indicate air sampling locations, possible indoor air pollution sources and PID meter readings. If the building does not have a basement, please note.

Basement:



First Floor:



12. OUTDOOR PLOT

Draw a sketch of the area surrounding the building being sampled. If applicable, provide information on spill locations, potential air contamination sources (industries, gas stations, repair shops, landfills, etc.), outdoor air sampling location(s) and PID meter readings.

Also indicate compass direction, wind direction and speed during sampling, the locations of the well and septic system, if applicable, and a qualifying statement to help locate the site on a topographic map.

Builds Covers Entire Property.

APPENDIX C
LABORATORY REPORTS





ANALYTICAL REPORT

Lab Number:	L1206546
Client:	Associated Environmental Services, Ltd. 25 Central Avenue Hauppauge, NY 11788
ATTN:	Greg Ernst
Phone:	(631) 234-4280
Project Name:	Not Specified
Project Number:	Not Specified
Report Date:	04/19/12

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: NY (11627), CT (PH-0141), NH (2206), NJ NELAP (MA015), RI (LAO00299), PA (68-02089), LA NELAP (03090), FL (E87814), TX (T104704419), WA (C954), DOD (L2217.01), USDA (Permit #P330-11-00109), US Army Corps of Engineers.

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com



Project Name: Not Specified
Project Number: Not Specified

Lab Number: L1206546
Report Date: 04/19/12

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1206546-01	SSV-1	62 N 9TH ST, BKLN, NY	04/11/12 17:30
L1206546-02	SSV-2	62 N 9TH ST, BKLN, NY	04/11/12 17:47
L1206546-03	IA-1	62 N 9TH ST, BKLN, NY	04/11/12 17:32
L1206546-04	IA-2	62 N 9TH ST, BKLN, NY	04/11/12 17:48
L1206546-05	OA-1	62 N 9TH ST, BKLN, NY	04/11/12 17:52

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L1206546
Report Date: 04/19/12

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

Please contact Client Services at 800-624-9220 with any questions.

Volatile Organics in Air

Canisters were released from the laboratory on April 10, 2012.

The canister certification results are provided as an addendum.

L1206546-01 has elevated detection limits due to the dilution required by the elevated concentrations of target

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L1206546
Report Date: 04/19/12

Case Narrative (continued)

compounds in the sample.

L1206546-01, -02, and -03 were diluted and re-analyzed to quantitate the samples within the calibration range. The result should be considered estimated, and is qualified with an E flag, for any compound that exceeded the calibration on the initial analysis. The re-analysis was performed only for the compound that exceeded the calibration range.

L1206546-02 results for 4-Methyl-2-Pentanone should be considered estimated due to co-elution with a non-target peak.

L1206546-03 The presence of Acetone could not be determined in this sample due to a non-target compound interfering with the identification and quantification of this

L1206546-03 and -04 The presence of 4-Methyl-2-Pentanone could not be determined in these samples due to a non-target compound interfering with the identification and quantification of this compound.

L1206546-04 and -05 results for Acetone should be considered estimated due to co-elution with a non-target peak.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:  Christopher J. Anderson

Title: Technical Director/Representative

Date: 04/19/12

AIR

Project Name:
Project Number: Not Specified

Lab Number: L1206546
Report Date: 04/19/12

SAMPLE RESULTS

Lab ID: L1206546-01 D
 Client ID: SSV-1
 Sample Location: 62 N 9TH ST, BKLN, NY
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 04/18/12 00:50
 Analyst: AJ

Date Collected: 04/11/12 17:30
 Date Received: 04/13/12
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Propylene	ND	106.	--	ND	182.	--		212.1
Dichlorodifluoromethane	ND	42.4	--	ND	210.	--		212.1
Chloromethane	ND	42.4	--	ND	87.6	--		212.1
Freon-114	ND	42.4	--	ND	296.	--		212.1
Vinyl chloride	ND	42.4	--	ND	108.	--		212.1
1,3-Butadiene	ND	42.4	--	ND	93.8	--		212.1
Bromomethane	ND	42.4	--	ND	165.	--		212.1
Chloroethane	ND	42.4	--	ND	112.	--		212.1
Ethanol	ND	530	--	ND	999	--		212.1
Vinyl bromide	ND	42.4	--	ND	185.	--		212.1
Acetone	ND	212	--	ND	504	--		212.1
Trichlorofluoromethane	ND	42.4	--	ND	238.	--		212.1
Isopropanol	ND	106.	--	ND	260.	--		212.1
1,1-Dichloroethene	ND	42.4	--	ND	168.	--		212.1
Methylene chloride	ND	212	--	ND	736	--		212.1
3-Chloropropene	ND	42.4	--	ND	133.	--		212.1
Carbon disulfide	ND	42.4	--	ND	132	--		212.1
Freon-113	ND	42.4	--	ND	325.	--		212.1
trans-1,2-Dichloroethene	ND	42.4	--	ND	168.	--		212.1
1,1-Dichloroethane	ND	42.4	--	ND	172.	--		212.1
Methyl tert butyl ether	ND	42.4	--	ND	153.	--		212.1
Vinyl acetate	ND	42.4	--	ND	149.	--		212.1
2-Butanone	ND	42.4	--	ND	125.	--		212.1
cis-1,2-Dichloroethene	ND	42.4	--	ND	168.	--		212.1



Project Name:
Project Number: Not Specified

Lab Number: L1206546
Report Date: 04/19/12

SAMPLE RESULTS

Lab ID: L1206546-01 D
 Client ID: SSV-1
 Sample Location: 62 N 9TH ST, BKLN, NY

Date Collected: 04/11/12 17:30
 Date Received: 04/13/12
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	106.	--	ND	382.	--		212.1
Chloroform	61.7	42.4	--	301	207	--		212.1
Tetrahydrofuran	ND	42.4	--	ND	125.	--		212.1
1,2-Dichloroethane	ND	42.4	--	ND	172.	--		212.1
n-Hexane	ND	42.4	--	ND	149.	--		212.1
1,1,1-Trichloroethane	161	42.4	--	878	231	--		212.1
Benzene	ND	42.4	--	ND	135.	--		212.1
Carbon tetrachloride	ND	42.4	--	ND	267.	--		212.1
Cyclohexane	ND	42.4	--	ND	146	--		212.1
1,2-Dichloropropane	ND	42.4	--	ND	196.	--		212.1
Bromodichloromethane	ND	42.4	--	ND	284.	--		212.1
1,4-Dioxane	ND	42.4	--	ND	153.	--		212.1
Trichloroethene	42000	42.4	--	226000	228	--	E	212.1
2,2,4-Trimethylpentane	ND	42.4	--	ND	198.	--		212.1
Heptane	ND	42.4	--	ND	174	--		212.1
cis-1,3-Dichloropropene	ND	42.4	--	ND	192.	--		212.1
4-Methyl-2-pentanone	ND	42.4	--	ND	174.	--		212.1
trans-1,3-Dichloropropene	ND	42.4	--	ND	192.	--		212.1
1,1,2-Trichloroethane	ND	42.4	--	ND	231.	--		212.1
Toluene	ND	42.4	--	ND	160	--		212.1
2-Hexanone	ND	42.4	--	ND	174.	--		212.1
Dibromochloromethane	ND	42.4	--	ND	361.	--		212.1
1,2-Dibromoethane	ND	42.4	--	ND	326.	--		212.1
Tetrachloroethene	ND	42.4	--	ND	288.	--		212.1
Chlorobenzene	ND	42.4	--	ND	195.	--		212.1
Ethylbenzene	ND	42.4	--	ND	184.	--		212.1
p/m-Xylene	ND	84.8	--	ND	368.	--		212.1
Bromoform	ND	42.4	--	ND	438.	--		212.1



Project Name:
Project Number: Not Specified

Lab Number: L1206546
Report Date: 04/19/12

SAMPLE RESULTS

Lab ID: L1206546-01 D
 Client ID: SSV-1
 Sample Location: 62 N 9TH ST, BKLN, NY

Date Collected: 04/11/12 17:30
 Date Received: 04/13/12
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Styrene	ND	42.4	--	ND	180.	--		212.1
1,1,2,2-Tetrachloroethane	ND	42.4	--	ND	291.	--		212.1
o-Xylene	ND	42.4	--	ND	184.	--		212.1
4-Ethyltoluene	ND	42.4	--	ND	208.	--		212.1
1,3,5-Trimethylbenzene	ND	42.4	--	ND	208.	--		212.1
1,2,4-Trimethylbenzene	ND	42.4	--	ND	208.	--		212.1
Benzyl chloride	ND	42.4	--	ND	220.	--		212.1
1,3-Dichlorobenzene	ND	42.4	--	ND	255.	--		212.1
1,4-Dichlorobenzene	ND	42.4	--	ND	255.	--		212.1
1,2-Dichlorobenzene	ND	42.4	--	ND	255.	--		212.1
1,2,4-Trichlorobenzene	ND	42.4	--	ND	315.	--		212.1
Hexachlorobutadiene	ND	42.4	--	ND	452.	--		212.1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	108		60-140
Bromochloromethane	100		60-140
chlorobenzene-d5	98		60-140



Project Name:
Project Number: Not Specified

Lab Number: L1206546
Report Date: 04/19/12

SAMPLE RESULTS

Lab ID: L1206546-01 D2
 Client ID: SSV-1
 Sample Location: 62 N 9TH ST, BKLN, NY
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 04/18/12 08:46
 Analyst: AJ

Date Collected: 04/11/12 17:30
 Date Received: 04/13/12
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Trichloroethene	36700	106	--	197000	570	--		530.2

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	117		60-140
Bromochloromethane	108		60-140
chlorobenzene-d5	107		60-140



Project Name:
Project Number: Not Specified

Lab Number: L1206546
Report Date: 04/19/12

SAMPLE RESULTS

Lab ID: L1206546-02
 Client ID: SSV-2
 Sample Location: 62 N 9TH ST, BKLN, NY
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 04/18/12 00:11
 Analyst: AJ

Date Collected: 04/11/12 17:47
 Date Received: 04/13/12
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Propylene	8.88	0.500	--	15.3	0.860	--		1
Dichlorodifluoromethane	0.425	0.200	--	2.10	0.989	--		1
Chloromethane	0.481	0.200	--	0.993	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	0.449	0.200	--	0.993	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	8.30	2.50	--	15.6	4.71	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	116	1.00	--	276	2.38	--	E	1
Trichlorofluoromethane	0.216	0.200	--	1.21	1.12	--		1
Isopropanol	1.42	0.500	--	3.49	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Methylene chloride	4.77	1.00	--	16.6	3.47	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	5.26	0.200	--	16.4	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	0.200	--	ND	0.704	--		1
2-Butanone	12.6	0.200	--	37.2	0.590	--		1
cis-1,2-Dichloroethene	0.662	0.200	--	2.62	0.793	--		1



Project Name:
Project Number: Not Specified

Lab Number: L1206546
Report Date: 04/19/12

SAMPLE RESULTS

Lab ID: L1206546-02
 Client ID: SSV-2
 Sample Location: 62 N 9TH ST, BKLN, NY

Date Collected: 04/11/12 17:47
 Date Received: 04/13/12
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	8.35	0.200	--	40.8	0.977	--		1
Tetrahydrofuran	0.669	0.200	--	1.97	0.590	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	3.09	0.200	--	10.9	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	2.26	0.200	--	7.22	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	16.2	0.200	--	55.8	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	56.6	0.200	--	304	1.07	--		1
2,2,4-Trimethylpentane	1.54	0.200	--	7.19	0.934	--		1
Heptane	21.8	0.200	--	89.3	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	1.21	0.200	--	4.96	0.820	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	17.6	0.200	--	66.3	0.754	--		1
2-Hexanone	0.371	0.200	--	1.52	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	2.29	0.200	--	9.95	0.869	--		1
p/m-Xylene	7.99	0.400	--	34.7	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1



Project Name:
Project Number: Not Specified

Lab Number: L1206546
Report Date: 04/19/12

SAMPLE RESULTS

Lab ID: L1206546-02
 Client ID: SSV-2
 Sample Location: 62 N 9TH ST, BKLN, NY

Date Collected: 04/11/12 17:47
 Date Received: 04/13/12
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	2.34	0.200	--	10.2	0.869	--		1
4-Ethyltoluene	0.600	0.200	--	2.95	0.983	--		1
1,3,5-Trimethylbenzene	0.602	0.200	--	2.96	0.983	--		1
1,2,4-Trimethylbenzene	1.88	0.200	--	9.24	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	117		60-140
Bromochloromethane	105		60-140
chlorobenzene-d5	108		60-140



Project Name:
Project Number: Not Specified

Lab Number: L1206546
Report Date: 04/19/12

SAMPLE RESULTS

Lab ID: L1206546-02 D
 Client ID: SSV-2
 Sample Location: 62 N 9TH ST, BKLN, NY
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 04/18/12 10:00
 Analyst: AJ

Date Collected: 04/11/12 17:47
 Date Received: 04/13/12
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Acetone	114	2.00	--	271	4.75	--		2

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	110		60-140
Bromochloromethane	101		60-140
chlorobenzene-d5	103		60-140



Project Name:
Project Number: Not Specified

Lab Number: L1206546
Report Date: 04/19/12

SAMPLE RESULTS

Lab ID: L1206546-03
 Client ID: IA-1
 Sample Location: 62 N 9TH ST, BKLN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 04/17/12 19:07
 Analyst: AJ

Date Collected: 04/11/12 17:32
 Date Received: 04/13/12
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Propylene	2.32	0.500	--	3.99	0.860	--		1
Dichlorodifluoromethane	0.432	0.200	--	2.14	0.989	--		1
Chloromethane	0.516	0.200	--	1.06	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	0.449	0.200	--	0.993	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	9.00	2.50	--	17.0	4.71	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	0.200	--	ND	0.704	--		1
2-Butanone	1.98	0.200	--	5.84	0.590	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	1.19	0.200	--	3.51	0.590	--		1



Project Name:
Project Number: Not Specified

Lab Number: L1206546
Report Date: 04/19/12

SAMPLE RESULTS

Lab ID: L1206546-03
 Client ID: IA-1
 Sample Location: 62 N 9TH ST, BKLN, NY

Date Collected: 04/11/12 17:32
 Date Received: 04/13/12
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	10.8	0.200	--	38.1	0.705	--		1
Benzene	0.941	0.200	--	3.01	0.639	--		1
Cyclohexane	98.3	0.200	--	338	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	140	0.200	--	574	0.820	--	E	1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.200	--	ND	0.820	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	29.9	0.200	--	113	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	2.06	0.200	--	8.95	0.869	--		1
p/m-Xylene	7.72	0.400	--	33.5	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	1.47	0.200	--	6.38	0.869	--		1
4-Ethyltoluene	0.519	0.200	--	2.55	0.983	--		1
1,3,5-Trimethylbenzene	0.473	0.200	--	2.32	0.983	--		1
1,2,4-Trimethylbenzene	1.61	0.200	--	7.92	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1



Project Name:
Project Number: Not Specified

Lab Number: L1206546
Report Date: 04/19/12

SAMPLE RESULTS

Lab ID: L1206546-03
 Client ID: IA-1
 Sample Location: 62 N 9TH ST, BKLN, NY

Date Collected: 04/11/12 17:32
 Date Received: 04/13/12
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	106		60-140
Bromochloromethane	99		60-140
chlorobenzene-d5	98		60-140



Project Name:
Project Number: Not Specified

Lab Number: L1206546
Report Date: 04/19/12

SAMPLE RESULTS

Lab ID: L1206546-03
 Client ID: IA-1
 Sample Location: 62 N 9TH ST, BKLN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 04/18/12 08:01
 Analyst: AJ

Date Collected: 04/11/12 17:32
 Date Received: 04/13/12
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.060	0.020	--	0.377	0.126	--		1
Trichloroethene	1.92	0.020	--	10.3	0.107	--		1
Tetrachloroethene	0.055	0.020	--	0.373	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	108		60-140
bromochloromethane	100		60-140
chlorobenzene-d5	100		60-140



Project Name:
Project Number: Not Specified

Lab Number: L1206546
Report Date: 04/19/12

SAMPLE RESULTS

Lab ID: L1206546-03 D
 Client ID: IA-1
 Sample Location: 62 N 9TH ST, BKLN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 04/18/12 09:25
 Analyst: AJ

Date Collected: 04/11/12 17:32
 Date Received: 04/13/12
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Heptane	96.9	0.400	--	397	1.64	--		2

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	118		60-140
Bromochloromethane	105		60-140
chlorobenzene-d5	107		60-140



Project Name:
Project Number: Not Specified

Lab Number: L1206546
Report Date: 04/19/12

SAMPLE RESULTS

Lab ID: L1206546-04
 Client ID: IA-2
 Sample Location: 62 N 9TH ST, BKLN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 04/17/12 19:53
 Analyst: AJ

Date Collected: 04/11/12 17:48
 Date Received: 04/13/12
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Propylene	1.34	0.500	--	2.31	0.860	--		1
Dichlorodifluoromethane	0.461	0.200	--	2.28	0.989	--		1
Chloromethane	0.511	0.200	--	1.06	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	0.304	0.200	--	0.672	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	3.29	2.50	--	6.20	4.71	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	5.14	1.00	--	12.2	2.38	--		1
Trichlorofluoromethane	0.212	0.200	--	1.19	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	0.200	--	ND	0.704	--		1
2-Butanone	0.706	0.200	--	2.08	0.590	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	0.417	0.200	--	1.23	0.590	--		1



Project Name:
Project Number: Not Specified

Lab Number: L1206546
Report Date: 04/19/12

SAMPLE RESULTS

Lab ID: L1206546-04
 Client ID: IA-2
 Sample Location: 62 N 9TH ST, BKLN, NY

Date Collected: 04/11/12 17:48
 Date Received: 04/13/12
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	2.98	0.200	--	10.5	0.705	--		1
Benzene	0.389	0.200	--	1.24	0.639	--		1
Cyclohexane	37.2	0.200	--	128	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	62.2	0.200	--	255	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.200	--	ND	0.820	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	14.6	0.200	--	55.0	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	1.13	0.200	--	4.91	0.869	--		1
p/m-Xylene	4.36	0.400	--	18.9	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.724	0.200	--	3.14	0.869	--		1
4-Ethyltoluene	0.307	0.200	--	1.51	0.983	--		1
1,3,5-Trimethylbenzene	0.273	0.200	--	1.34	0.983	--		1
1,2,4-Trimethylbenzene	0.789	0.200	--	3.88	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1



Project Name:
Project Number: Not Specified

Lab Number: L1206546
Report Date: 04/19/12

SAMPLE RESULTS

Lab ID: L1206546-04
 Client ID: IA-2
 Sample Location: 62 N 9TH ST, BKLN, NY

Date Collected: 04/11/12 17:48
 Date Received: 04/13/12
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	109		60-140
Bromochloromethane	97		60-140
chlorobenzene-d5	101		60-140



Project Name:
Project Number: Not Specified

Lab Number: L1206546
Report Date: 04/19/12

SAMPLE RESULTS

Lab ID: L1206546-04
 Client ID: IA-2
 Sample Location: 62 N 9TH ST, BKLN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 04/18/12 08:34
 Analyst: AJ

Date Collected: 04/11/12 17:48
 Date Received: 04/13/12
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.048	0.020	--	0.302	0.126	--		1
Trichloroethene	2.69	0.020	--	14.4	0.107	--		1
Tetrachloroethene	0.098	0.020	--	0.664	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	109		60-140
bromochloromethane	102		60-140
chlorobenzene-d5	101		60-140



Project Name:
Project Number: Not Specified

Lab Number: L1206546
Report Date: 04/19/12

SAMPLE RESULTS

Lab ID: L1206546-05
 Client ID: OA-1
 Sample Location: 62 N 9TH ST, BKLN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 04/17/12 20:29
 Analyst: AJ

Date Collected: 04/11/12 17:52
 Date Received: 04/13/12
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Propylene	0.599	0.500	--	1.03	0.860	--		1
Dichlorodifluoromethane	0.444	0.200	--	2.20	0.989	--		1
Chloromethane	0.508	0.200	--	1.05	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	2.50	--	ND	4.71	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	2.51	1.00	--	5.96	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	0.200	--	ND	0.704	--		1
2-Butanone	0.394	0.200	--	1.16	0.590	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.200	--	ND	0.590	--		1



Project Name:
Project Number: Not Specified

Lab Number: L1206546
Report Date: 04/19/12

SAMPLE RESULTS

Lab ID: L1206546-05
 Client ID: OA-1
 Sample Location: 62 N 9TH ST, BKLN, NY

Date Collected: 04/11/12 17:52
 Date Received: 04/13/12
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.477	0.200	--	1.68	0.705	--		1
Benzene	0.292	0.200	--	0.933	0.639	--		1
Cyclohexane	5.09	0.200	--	17.5	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	8.47	0.200	--	34.7	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.200	--	ND	0.820	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	1.90	0.200	--	7.16	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	1.06	0.200	--	4.60	0.869	--		1
p/m-Xylene	4.24	0.400	--	18.4	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.595	0.200	--	2.58	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	0.212	0.200	--	1.04	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1



Project Name:
Project Number: Not Specified

Lab Number: L1206546
Report Date: 04/19/12

SAMPLE RESULTS

Lab ID: L1206546-05
 Client ID: OA-1
 Sample Location: 62 N 9TH ST, BKLN, NY

Date Collected: 04/11/12 17:52
 Date Received: 04/13/12
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	101		60-140
Bromochloromethane	100		60-140
chlorobenzene-d5	96		60-140



Project Name:
Project Number: Not Specified

Lab Number: L1206546
Report Date: 04/19/12

SAMPLE RESULTS

Lab ID: L1206546-05
 Client ID: OA-1
 Sample Location: 62 N 9TH ST, BKLN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 04/18/12 09:07
 Analyst: AJ

Date Collected: 04/11/12 17:52
 Date Received: 04/13/12
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.075	0.020	--	0.472	0.126	--		1
Trichloroethene	0.185	0.020	--	0.994	0.107	--		1
Tetrachloroethene	0.030	0.020	--	0.203	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	93		60-140
bromochloromethane	118		60-140
chlorobenzene-d5	85		60-140



Project Name: Not Specified

Lab Number: L1206546

Project Number: Not Specified

Report Date: 04/19/12

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 04/17/12 14:02

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 03-05 Batch: WG529741-4								
Dichlorodifluoromethane	ND	0.050	--	ND	0.247	--		1
Chloromethane	ND	0.500	--	ND	1.03	--		1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.020	--	ND	0.053	--		1
Acetone	ND	2.00	--	ND	4.75	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.08	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.050	--	ND	0.383	--		1
Halothane	ND	0.050	--	ND	0.404	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.020	--	ND	0.072	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1

Project Name: Not Specified

Lab Number: L1206546

Project Number: Not Specified

Report Date: 04/19/12

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15-SIM

Analytical Date: 04/17/12 14:02

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 03-05 Batch: WG529741-4								
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.020	--	ND	0.092	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.500	--	ND	2.46	--		1
1,3,5-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.500	--	ND	2.74	--		1



Project Name: Not Specified

Lab Number: L1206546

Project Number: Not Specified

Report Date: 04/19/12

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15-SIM

Analytical Date: 04/17/12 14:02

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 03-05 Batch: WG529741-4								
p-Isopropyltoluene	ND	0.500	--	ND	2.74	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.500	--	ND	2.74	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Project Name: Not Specified

Lab Number: L1206546

Project Number: Not Specified

Report Date: 04/19/12

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 04/17/12 14:33

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-05 Batch: WG529749-4								
Propylene	ND	0.500	--	ND	0.860	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	2.50	--	ND	4.71	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	0.200	--	ND	0.704	--		1
2-Butanone	ND	0.200	--	ND	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1

Project Name: Not Specified

Lab Number: L1206546

Project Number: Not Specified

Report Date: 04/19/12

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 04/17/12 14:33

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-05 Batch: WG529749-4								
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.200	--	ND	0.590	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.200	--	ND	0.820	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1

Project Name: Not Specified

Lab Number: L1206546

Project Number: Not Specified

Report Date: 04/19/12

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 04/17/12 14:33

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-05 Batch: WG529749-4								
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Lab Number: L1206546

Project Number: Not Specified

Report Date: 04/19/12

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 03-05 Batch: WG529741-3								
Dichlorodifluoromethane	88		-		70-130	-		25
Chloromethane	89		-		70-130	-		25
1,2-Dichloro-1,1,2,2-tetrafluoroethane	75		-		70-130	-		25
Vinyl chloride	92		-		70-130	-		25
1,3-Butadiene	103		-		70-130	-		25
Bromomethane	86		-		70-130	-		25
Chloroethane	90		-		70-130	-		25
Acetone	96		-		70-130	-		25
Trichlorofluoromethane	94		-		70-130	-		25
Acrylonitrile	111		-		70-130	-		25
1,1-Dichloroethene	101		-		70-130	-		25
Methylene chloride	100		-		70-130	-		25
1,1,2-Trichloro-1,2,2-Trifluoroethane	98		-		70-130	-		25
Halothane	76		-		70-130	-		25
trans-1,2-Dichloroethene	93		-		70-130	-		25
1,1-Dichloroethane	95		-		70-130	-		25
Methyl tert butyl ether	90		-		70-130	-		25
2-Butanone	86		-		70-130	-		25
cis-1,2-Dichloroethene	109		-		70-130	-		25
Chloroform	97		-		70-130	-		25
1,2-Dichloroethane	97		-		70-130	-		25

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Lab Number: L1206546

Project Number: Not Specified

Report Date: 04/19/12

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 03-05 Batch: WG529741-3								
1,1,1-Trichloroethane	97		-		70-130	-		25
Benzene	97		-		70-130	-		25
Carbon tetrachloride	111		-		70-130	-		25
1,2-Dichloropropane	105		-		70-130	-		25
Bromodichloromethane	114		-		70-130	-		25
Trichloroethene	104		-		70-130	-		25
1,4-Dioxane	103		-		70-130	-		25
cis-1,3-Dichloropropene	115		-		70-130	-		25
4-Methyl-2-pentanone	115		-		70-130	-		25
trans-1,3-Dichloropropene	102		-		70-130	-		25
1,1,2-Trichloroethane	106		-		70-130	-		25
Toluene	85		-		70-130	-		25
Dibromochloromethane	98		-		70-130	-		25
1,2-Dibromoethane	96		-		70-130	-		25
Tetrachloroethene	88		-		70-130	-		25
1,1,1,2-Tetrachloroethane	96		-		70-130	-		25
Chlorobenzene	91		-		70-130	-		25
Ethylbenzene	93		-		70-130	-		25
p/m-Xylene	95		-		70-130	-		25
Bromoform	102		-		70-130	-		25
Styrene	102		-		70-130	-		25

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: Not Specified

Lab Number: L1206546

Report Date: 04/19/12

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 03-05 Batch: WG529741-3								
1,1,2,2-Tetrachloroethane	99		-		70-130	-		25
o-Xylene	95		-		70-130	-		25
Isopropylbenzene	98		-		70-130	-		25
1,3,5-Trimethylbenzene	103		-		70-130	-		25
1,2,4-Trimethylbenzene	108		-		70-130	-		25
1,3-Dichlorobenzene	103		-		70-130	-		25
1,4-Dichlorobenzene	101		-		70-130	-		25
sec-Butylbenzene	106		-		70-130	-		25
p-Isopropyltoluene	103		-		70-130	-		25
1,2-Dichlorobenzene	106		-		70-130	-		25
n-Butylbenzene	103		-		70-130	-		25
1,2,4-Trichlorobenzene	109		-		70-130	-		25
Naphthalene	112		-		70-130	-		25
1,2,3-Trichlorobenzene	116		-		70-130	-		25
Hexachlorobutadiene	112		-		70-130	-		25

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Lab Number: L1206546

Project Number: Not Specified

Report Date: 04/19/12

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05 Batch: WG529749-3								
Chlorodifluoromethane	85		-		70-130	-		
Propylene	107		-		70-130	-		
Propane	95		-		70-130	-		
Dichlorodifluoromethane	97		-		70-130	-		
Chloromethane	96		-		70-130	-		
1,2-Dichloro-1,1,2,2-tetrafluoroethane	95		-		70-130	-		
Methanol	77		-		70-130	-		
Vinyl chloride	94		-		70-130	-		
1,3-Butadiene	96		-		70-130	-		
Butane	97		-		70-130	-		
Bromomethane	92		-		70-130	-		
Chloroethane	88		-		70-130	-		
Ethyl Alcohol	97		-		70-130	-		
Dichlorofluoromethane	82		-		70-130	-		
Vinyl bromide	89		-		70-130	-		
Acrolein	94		-		70-130	-		
Acetone	111		-		70-130	-		
Acetonitrile	110		-		70-130	-		
Trichlorofluoromethane	90		-		70-130	-		
iso-Propyl Alcohol	99		-		70-130	-		
Acrylonitrile	109		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Lab Number: L1206546

Project Number: Not Specified

Report Date: 04/19/12

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05 Batch: WG529749-3								
Pentane	89		-		70-130	-		
Ethyl ether	101		-		70-130	-		
1,1-Dichloroethene	90		-		70-130	-		
tert-Butyl Alcohol	86		-		70-130	-		
Methylene chloride	92		-		70-130	-		
3-Chloropropene	91		-		70-130	-		
Carbon disulfide	91		-		70-130	-		
1,1,2-Trichloro-1,2,2-Trifluoroethane	90		-		70-130	-		
trans-1,2-Dichloroethene	78		-		70-130	-		
1,1-Dichloroethane	87		-		70-130	-		
Methyl tert butyl ether	91		-		70-130	-		
Vinyl acetate	110		-		70-130	-		
2-Butanone	100		-		70-130	-		
cis-1,2-Dichloroethene	103		-		70-130	-		
Ethyl Acetate	105		-		70-130	-		
Chloroform	97		-		70-130	-		
Tetrahydrofuran	97		-		70-130	-		
2,2-Dichloropropane	79		-		70-130	-		
1,2-Dichloroethane	96		-		70-130	-		
n-Hexane	93		-		70-130	-		
Isopropyl Ether	102		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Lab Number: L1206546

Project Number: Not Specified

Report Date: 04/19/12

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05 Batch: WG529749-3								
Ethyl-Tert-Butyl-Ether	97		-		70-130	-		
1,1,1-Trichloroethane	94		-		70-130	-		
1,1-Dichloropropene	94		-		70-130	-		
Benzene	102		-		70-130	-		
Carbon tetrachloride	94		-		70-130	-		
Cyclohexane	94		-		70-130	-		
Tertiary-Amyl Methyl Ether	95		-		70-130	-		
Dibromomethane	98		-		70-130	-		
1,2-Dichloropropane	111		-		70-130	-		
Bromodichloromethane	100		-		70-130	-		
1,4-Dioxane	98		-		70-130	-		
Trichloroethene	94		-		70-130	-		
2,2,4-Trimethylpentane	104		-		70-130	-		
Heptane	100		-		70-130	-		
2,4,4-Trimethyl-1-Pentene	104		-		70-130	-		
cis-1,3-Dichloropropene	106		-		70-130	-		
4-Methyl-2-pentanone	107		-		70-130	-		
2,4,4-Trimethyl-2-Pentene	99		-		70-130	-		
trans-1,3-Dichloropropene	90		-		70-130	-		
1,1,2-Trichloroethane	109		-		70-130	-		
Toluene	99		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Lab Number: L1206546

Project Number: Not Specified

Report Date: 04/19/12

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05 Batch: WG529749-3								
1,3-Dichloropropane	98		-		70-130	-		
2-Hexanone	101		-		70-130	-		
Dibromochloromethane	102		-		70-130	-		
1,2-Dibromoethane	102		-		70-130	-		
Butyl Acetate	98		-		70-130	-		
Octane	98		-		70-130	-		
Tetrachloroethene	96		-		70-130	-		
1,1,1,2-Tetrachloroethane	94		-		70-130	-		
Chlorobenzene	102		-		70-130	-		
Ethylbenzene	102		-		70-130	-		
p/m-Xylene	103		-		70-130	-		
Bromoform	97		-		70-130	-		
Styrene	104		-		70-130	-		
1,1,2,2-Tetrachloroethane	109		-		70-130	-		
o-Xylene	108		-		70-130	-		
1,2,3-Trichloropropane	98		-		70-130	-		
Nonane (C9)	102		-		70-130	-		
Isopropylbenzene	102		-		70-130	-		
Bromobenzene	97		-		70-130	-		
o-Chlorotoluene	98		-		70-130	-		
n-Propylbenzene	100		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Lab Number: L1206546

Project Number: Not Specified

Report Date: 04/19/12

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05 Batch: WG529749-3								
p-Chlorotoluene	99		-		70-130	-		
4-Ethyltoluene	100		-		70-130	-		
1,3,5-Trimethylbenzene	105		-		70-130	-		
tert-Butylbenzene	102		-		70-130	-		
1,2,4-Trimethylbenzene	108		-		70-130	-		
Decane (C10)	106		-		70-130	-		
Benzyl chloride	91		-		70-130	-		
1,3-Dichlorobenzene	105		-		70-130	-		
1,4-Dichlorobenzene	102		-		70-130	-		
sec-Butylbenzene	104		-		70-130	-		
p-Isopropyltoluene	98		-		70-130	-		
1,2-Dichlorobenzene	106		-		70-130	-		
n-Butylbenzene	106		-		70-130	-		
1,2-Dibromo-3-chloropropane	93		-		70-130	-		
Undecane	102		-		70-130	-		
Dodecane (C12)	94		-		70-130	-		
1,2,4-Trichlorobenzene	100		-		70-130	-		
Naphthalene	95		-		70-130	-		
1,2,3-Trichlorobenzene	96		-		70-130	-		
Hexachlorobutadiene	95		-		70-130	-		

Lab Duplicate Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: Not Specified

Lab Number: L1206546

Report Date: 04/19/12

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 03-05 QC Batch ID: WG529741-5 QC Sample: L1206563-01 Client ID: DUP Sample						
1,1-Dichloroethene	ND	ND	ppbV	NC		25
Methylene chloride	ND	ND	ppbV	NC		25
Methyl tert butyl ether	ND	ND	ppbV	NC		25
Chloroform	ND	ND	ppbV	NC		25
1,2-Dichloroethane	ND	ND	ppbV	NC		25
1,1,1-Trichloroethane	ND	ND	ppbV	NC		25
Benzene	0.158	0.145	ppbV	9		25
Carbon tetrachloride	0.070	0.066	ppbV	6		25
Trichloroethene	ND	ND	ppbV	NC		25
Toluene	0.165	0.167	ppbV	1		25
Tetrachloroethene	0.042	0.043	ppbV	2		25
Chlorobenzene	ND	ND	ppbV	NC		25
Ethylbenzene	0.024	0.024	ppbV	0		25
p/m-Xylene	0.071	0.073	ppbV	3		25
o-Xylene	0.028	0.029	ppbV	4		25
1,3,5-Trimethylbenzene	ND	ND	ppbV	NC		25
1,2,4-Trimethylbenzene	0.025	0.030	ppbV	18		25
Naphthalene	ND	ND	ppbV	NC		25

Lab Duplicate Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: Not Specified

Lab Number: L1206546

Report Date: 04/19/12

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG529749-5 QC Sample: L1206090-01 Client ID: DUP Sample					
Dichlorodifluoromethane	ND	ND	ppbV	NC	25
Chloromethane	ND	ND	ppbV	NC	25
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	ND	ppbV	NC	25
Vinyl chloride	ND	ND	ppbV	NC	25
1,3-Butadiene	ND	ND	ppbV	NC	25
Bromomethane	ND	ND	ppbV	NC	25
Chloroethane	ND	ND	ppbV	NC	25
Vinyl bromide	ND	ND	ppbV	NC	25
Acetone	25.7	22.9	ppbV	12	25
Trichlorofluoromethane	ND	ND	ppbV	NC	25
1,1-Dichloroethene	ND	ND	ppbV	NC	25
tert-Butyl Alcohol	ND	ND	ppbV	NC	25
Methylene chloride	ND	ND	ppbV	NC	25
3-Chloropropene	ND	ND	ppbV	NC	25
Carbon disulfide	ND	ND	ppbV	NC	25
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ND	ppbV	NC	25
trans-1,2-Dichloroethene	ND	ND	ppbV	NC	25
1,1-Dichloroethane	ND	ND	ppbV	NC	25
Methyl tert butyl ether	ND	ND	ppbV	NC	25

Lab Duplicate Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: Not Specified

Lab Number: L1206546

Report Date: 04/19/12

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG529749-5 QC Sample: L1206090-01 Client ID: DUP Sample					
2-Butanone	0.998	1.04	ppbV	4	25
cis-1,2-Dichloroethene	ND	ND	ppbV	NC	25
Chloroform	1.10	1.15	ppbV	4	25
1,2-Dichloroethane	ND	ND	ppbV	NC	25
n-Hexane	1.06	1.18	ppbV	11	25
1,1,1-Trichloroethane	ND	ND	ppbV	NC	25
Benzene	1.67	1.68	ppbV	1	25
Carbon tetrachloride	ND	ND	ppbV	NC	25
Cyclohexane	ND	ND	ppbV	NC	25
1,2-Dichloropropane	ND	ND	ppbV	NC	25
Bromodichloromethane	ND	ND	ppbV	NC	25
Trichloroethene	ND	ND	ppbV	NC	25
2,2,4-Trimethylpentane	ND	ND	ppbV	NC	25
Heptane	ND	ND	ppbV	NC	25
cis-1,3-Dichloropropene	ND	ND	ppbV	NC	25
4-Methyl-2-pentanone	ND	ND	ppbV	NC	25
trans-1,3-Dichloropropene	ND	ND	ppbV	NC	25
1,1,2-Trichloroethane	ND	ND	ppbV	NC	25
Toluene	1.03	ND	ppbV	NC	25

Lab Duplicate Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: Not Specified

Lab Number: L1206546

Report Date: 04/19/12

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG529749-5 QC Sample: L1206090-01 Client ID: DUP Sample					
Dibromochloromethane	ND	ND	ppbV	NC	25
1,2-Dibromoethane	ND	ND	ppbV	NC	25
Tetrachloroethene	ND	ND	ppbV	NC	25
Chlorobenzene	ND	ND	ppbV	NC	25
Ethylbenzene	ND	ND	ppbV	NC	25
p/m-Xylene	ND	ND	ppbV	NC	25
Bromoform	ND	ND	ppbV	NC	25
Styrene	ND	ND	ppbV	NC	25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC	25
o-Xylene	ND	ND	ppbV	NC	25
o-Chlorotoluene	ND	ND	ppbV	NC	25
4-Ethyltoluene	ND	ND	ppbV	NC	25
1,3,5-Trimethylbenzene	ND	ND	ppbV	NC	25
1,2,4-Trimethylbenzene	ND	ND	ppbV	NC	25
1,3-Dichlorobenzene	ND	ND	ppbV	NC	25
1,4-Dichlorobenzene	ND	ND	ppbV	NC	25
1,2-Dichlorobenzene	ND	ND	ppbV	NC	25
1,2,4-Trichlorobenzene	ND	ND	ppbV	NC	25
Hexachlorobutadiene	ND	ND	ppbV	NC	25

Project Name:

Project Number:

Serial_No:04191216:18
Lab Number: L1206546

Report Date: 04/19/12

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controller Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L1206546-01	SSV-1	0356	#16 SV	04/10/12	76773		-	-	-	Pass	4.5	4.3	5
L1206546-01	SSV-1	200	2.7L Can	04/10/12	76773	L1203302	Pass	-29.2	-3.7	-	-	-	-
L1206546-02	SSV-2	0382	#16 SV	04/10/12	76773		-	-	-	Pass	4.5	4.0	12
L1206546-02	SSV-2	154	2.7L Can	04/10/12	76773	L1203302	Pass	-29.1	-8.3	-	-	-	-
L1206546-03	IA-1	0496	#16 SV	04/10/12	76773		-	-	-	Pass	4.5	4.1	9
L1206546-03	IA-1	223	2.7L Can	04/10/12	76773	L1203302	Pass	-29.1	-4.5	-	-	-	-
L1206546-04	IA-2	0064	#16 SV	04/10/12	76773		-	-	-	Pass	4.5	4.1	9
L1206546-04	IA-2	482	2.7L Can	04/10/12	76773	L1205413	Pass	-28.8	-3.9	-	-	-	-
L1206546-05	OA-1	0474	#16 SV	04/10/12	76773		-	-	-	Pass	4.5	4.6	2
L1206546-05	OA-1	195	2.7L Can	04/10/12	76773	L1203302	Pass	-29.3	-3.9	-	-	-	-

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1203302
Report Date: 04/19/12

Air Canister Certification Results

Lab ID: L1203302-01
 Client ID: CAN 200 SHELF 8
 Sample Location:
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 02/28/12 15:27
 Analyst: MB

Date Collected: 02/27/12 15:11
 Date Received: 02/28/12
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.860	--		1
Propane	ND	0.200	--	ND	0.361	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	2.50	--	ND	4.71	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.200	--	ND	0.434	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1203302
Report Date: 04/19/12

Air Canister Certification Results

Lab ID: L1203302-01
 Client ID: CAN 200 SHELF 8
 Sample Location:

Date Collected: 02/27/12 15:11
 Date Received: 02/28/12
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Methylene chloride	ND	1.00	--	ND	3.47	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	0.200	--	ND	0.704	--		1
2-Butanone	ND	0.200	--	ND	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.200	--	ND	0.590	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1203302
Report Date: 04/19/12

Air Canister Certification Results

Lab ID: L1203302-01
 Client ID: CAN 200 SHELF 8
 Sample Location:

Date Collected: 02/27/12 15:11
 Date Received: 02/28/12
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
2,4,4-trimethyl-1-pentene	ND	0.500	--	ND	2.29	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.200	--	ND	0.820	--		1
2,4,4-trimethyl-2-pentene	ND	0.500	--	ND	2.29	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.20	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1203302
Report Date: 04/19/12

Air Canister Certification Results

Lab ID: L1203302-01
 Client ID: CAN 200 SHELF 8
 Sample Location:

Date Collected: 02/27/12 15:11
 Date Received: 02/28/12
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	95		60-140
Bromochloromethane	93		60-140
chlorobenzene-d5	95		60-140



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1203302
Report Date: 04/19/12

Air Canister Certification Results

Lab ID: L1203302-01
 Client ID: CAN 200 SHELF 8
 Sample Location:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 02/28/12 15:27
 Analyst: MB

Date Collected: 02/27/12 15:11
 Date Received: 02/28/12
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.050	--	ND	0.247	--		1
Chloromethane	ND	0.500	--	ND	1.03	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.020	--	ND	0.053	--		1
Acetone	ND	2.00	--	ND	4.75	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.08	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.020	--	ND	0.072	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1203302
Report Date: 04/19/12

Air Canister Certification Results

Lab ID: L1203302-01
 Client ID: CAN 200 SHELF 8
 Sample Location:

Date Collected: 02/27/12 15:11
 Date Received: 02/28/12
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Trichloroethene	ND	0.020	--	ND	0.107	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.020	--	ND	0.092	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.500	--	ND	2.46	--		1
1,3,5-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.500	--	ND	2.74	--		1
p-Isopropyltoluene	ND	0.500	--	ND	2.74	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.500	--	ND	2.74	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1

Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L1203302**Project Number:** CANISTER QC BAT**Report Date:** 04/19/12**Air Canister Certification Results**

Lab ID: L1203302-01

Date Collected: 02/27/12 15:11

Client ID: CAN 200 SHELF 8

Date Received: 02/28/12

Sample Location:

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	112		60-140
bromochloromethane	106		60-140
chlorobenzene-d5	108		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1205413
Report Date: 04/19/12

Air Canister Certification Results

Lab ID: L1205413-01
 Client ID: CAN 158 SHELF 7
 Sample Location:
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 04/02/12 10:19
 Analyst: AR

Date Collected: 03/30/12 14:01
 Date Received: 03/31/12
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.860	--		1
Propane	ND	0.200	--	ND	0.361	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	2.50	--	ND	4.71	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.200	--	ND	0.434	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1205413
Report Date: 04/19/12

Air Canister Certification Results

Lab ID: L1205413-01
 Client ID: CAN 158 SHELF 7
 Sample Location:

Date Collected: 03/30/12 14:01
 Date Received: 03/31/12
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Methylene chloride	ND	1.00	--	ND	3.47	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	0.200	--	ND	0.704	--		1
2-Butanone	ND	0.200	--	ND	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.200	--	ND	0.590	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1205413
Report Date: 04/19/12

Air Canister Certification Results

Lab ID: L1205413-01
 Client ID: CAN 158 SHELF 7
 Sample Location:

Date Collected: 03/30/12 14:01
 Date Received: 03/31/12
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.200	--	ND	0.820	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.20	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1205413
Report Date: 04/19/12

Air Canister Certification Results

Lab ID: L1205413-01
 Client ID: CAN 158 SHELF 7
 Sample Location:

Date Collected: 03/30/12 14:01
 Date Received: 03/31/12
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	88		60-140
Bromochloromethane	89		60-140
chlorobenzene-d5	83		60-140



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1205413
Report Date: 04/19/12

Air Canister Certification Results

Lab ID: L1205413-01
 Client ID: CAN 158 SHELF 7
 Sample Location:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 04/02/12 20:02
 Analyst: AR

Date Collected: 03/30/12 14:01
 Date Received: 03/31/12
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.050	--	ND	0.247	--		1
Chloromethane	ND	0.500	--	ND	1.03	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.020	--	ND	0.053	--		1
Acetone	ND	2.00	--	ND	4.75	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.08	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
Halothane	ND	0.050	--	ND	0.404	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.020	--	ND	0.072	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1205413
Report Date: 04/19/12

Air Canister Certification Results

Lab ID: L1205413-01
 Client ID: CAN 158 SHELF 7
 Sample Location:

Date Collected: 03/30/12 14:01
 Date Received: 03/31/12
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.020	--	ND	0.092	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.500	--	ND	2.46	--		1
1,3,5-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.500	--	ND	2.74	--		1
p-Isopropyltoluene	ND	0.500	--	ND	2.74	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.500	--	ND	2.74	--		1

Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L1205413**Project Number:** CANISTER QC BAT**Report Date:** 04/19/12**Air Canister Certification Results**

Lab ID: L1205413-01

Date Collected: 03/30/12 14:01

Client ID: CAN 158 SHELF 7

Date Received: 03/31/12

Sample Location:

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	91		60-140
bromochloromethane	122		60-140
chlorobenzene-d5	88		60-140

AIR Petro Can Certification

Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L1203302**Project Number:** CANISTER QC BAT**Report Date:** 04/19/12**AIR CAN CERTIFICATION RESULTS**

Lab ID: L1203302-01
Client ID: CAN 200 SHELF 8
Sample Location: Not Specified
Matrix: Air
Analytical Method: 96,APH
Analytical Date: 03/02/12 19:09
Analyst: RY

Date Collected: 02/27/12 15:11
Date Received: 02/28/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbons in Air - Mansfield Lab						
1,3-Butadiene	ND		ug/m3	2.0	--	1
Methyl tert butyl ether	ND		ug/m3	2.0	--	1
Benzene	ND		ug/m3	2.0	--	1
Toluene	ND		ug/m3	2.0	--	1
C5-C8 Aliphatics, Adjusted	ND		ug/m3	12	--	1
Ethylbenzene	ND		ug/m3	2.0	--	1
p/m-Xylene	ND		ug/m3	4.0	--	1
o-Xylene	ND		ug/m3	2.0	--	1
Naphthalene	ND		ug/m3	2.0	--	1
C9-C12 Aliphatics, Adjusted	ND		ug/m3	14	--	1
C9-C10 Aromatics Total	ND		ug/m3	10	--	1

Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L1205413**Project Number:** CANISTER QC BAT**Report Date:** 04/19/12**AIR CAN CERTIFICATION RESULTS**

Lab ID: L1205413-01
Client ID: CAN 158 SHELF 7
Sample Location: Not Specified
Matrix: Air
Analytical Method: 96,APH
Analytical Date: 04/05/12 15:47
Analyst: MB

Date Collected: 03/30/12 14:01
Date Received: 03/31/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbons in Air - Mansfield Lab						
1,3-Butadiene	ND		ug/m3	2.0	--	1
Methyl tert butyl ether	ND		ug/m3	2.0	--	1
Benzene	ND		ug/m3	2.0	--	1
Toluene	ND		ug/m3	2.0	--	1
C5-C8 Aliphatics, Adjusted	ND		ug/m3	12	--	1
Ethylbenzene	ND		ug/m3	2.0	--	1
p/m-Xylene	ND		ug/m3	4.0	--	1
o-Xylene	ND		ug/m3	2.0	--	1
Naphthalene	ND		ug/m3	2.0	--	1
C9-C12 Aliphatics, Adjusted	ND		ug/m3	14	--	1
C9-C10 Aromatics Total	ND		ug/m3	10	--	1

Project Name: Not Specified**Lab Number:** L1206546**Project Number:** Not Specified**Report Date:** 04/19/12**Sample Receipt and Container Information**

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal**Cooler**

N/A Present/Intact

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1206546-01A	Canister - 2.7 Liter	N/A	N/A		Y	Present/Intact	TO15-LL(30)
L1206546-02A	Canister - 2.7 Liter	N/A	N/A		Y	Present/Intact	TO15-LL(30)
L1206546-03A	Canister - 2.7 Liter	N/A	N/A		Y	Present/Intact	TO15-LL(30),TO15-SIM(30)
L1206546-04A	Canister - 2.7 Liter	N/A	N/A		Y	Present/Intact	TO15-LL(30),TO15-SIM(30)
L1206546-05A	Canister - 2.7 Liter	N/A	N/A		Y	Present/Intact	TO15-LL(30),TO15-SIM(30)

*Values in parentheses indicate holding time in days

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L1206546
Report Date: 04/19/12

GLOSSARY

Acronyms

EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.
C	- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
G	- The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
I	- The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported due to obvious interference.
M	- Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
NJ	- Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

Report Format: Data Usability Report



Project Name: Not Specified
Project Number: Not Specified

Lab Number: L1206546
Report Date: 04/19/12

Data Qualifiers

- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- J** - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the reporting limit (RL) for the sample.

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L1206546
Report Date: 04/19/12

REFERENCES

- 48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Certificate/Approval Program Summary

Last revised January 30, 2012 – Mansfield Facility

The following list includes only those analytes/methods for which certification/approval is currently held. For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0141.

Wastewater/Non-Potable Water (Inorganic Parameters: pH, Turbidity, Conductivity, Alkalinity, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Vanadium, Zinc, Total Residue (Solids), Total Suspended Solids (non-filterable), Total Cyanide. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables, Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, PAHs, Haloethers, Chlorinated Hydrocarbons, Volatile Organics.)

Solid Waste/Soil (Inorganic Parameters: pH, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Organic Carbon, Total Cyanide, Corrosivity, TCLP 1311. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Volatile Organics, Acid Extractables, Benzidines, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Florida Department of Health Certificate/Lab ID: E87814. *NELAP Accredited.*

Non-Potable Water (Inorganic Parameters: SM2320B, SM2540D, SM2540G.)

Solid & Chemical Materials (Inorganic Parameters: 6020, 7470, 7471, 9045. Organic Parameters: EPA 8260, 8270, 8082, 8081.)

Air & Emissions (EPA TO-15.)

Louisiana Department of Environmental Quality Certificate/Lab ID: 03090. *NELAP Accredited.*

Non-Potable Water (Inorganic Parameters: EPA 180.1, 245.7, 1631E, 3020, 6020A, 7470A, 9040, 9050A, SM2320B, 2540D, 2540G, 4500H-B, Organic Parameters: EPA 3510C, 3580A, 3630C, 3640A, 3660B, 3665A, 5030B, 8015D, 3570, 8081B, 8082A, 8260B, 8270C, 8270D.)

Solid & Chemical Materials (Inorganic Parameters: EPA 1311, 3050, 3051A, 3060A, 6020A, 7196A, 7470A, 7471B, 7474, 9040B, 9045C, 9060. Organic Parameters: EPA 3540C, 3570B, 3580A, 3630C, 3640A, 3660, 3665A, 5035, 8015D, 8081B, 8082A, 8260B, 8270C, 8270D.)

Biological Tissue (Inorganic Parameters: EPA 6020A. Organic Parameters: EPA 3570, 3510C, 3610B, 3630C, 3640A, 8270C, 8270D.)

Air & Emissions (EPA TO-15.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 2206. *NELAP Accredited.*

Non-Potable Water (Inorganic Parameters: EPA 245.7, 1631E, 6020A, 7470A, 9040B, 9050A, SM2540D, 2540G, 4500H+B, 2320B. Organic Parameters: EPA 8081B, 8082A, 8260B, 8270C, 8015D.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 1311, 1312, 3050B, 3051A, 3060A, 6020A, 7471A, 9040B, 9045C, 7196A. Organic Parameters: SW-846 3540C, 3580A, 3630C, 3640A, 3660B, 3665A, 5035, 8260B, 8270C, 8015D, 8082A, 8081B.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA015. *NELAP Accredited.*

Non-Potable Water (Inorganic Parameters: SW-846 1312, 3010, 3020A, SM2320B, SM2540D, 2540G, EPA 180.1, 1631E, SW-846 7470A, 9040B, 6020, 9050A. Organic Parameters: SW-846 3510C, 3580A, 5030B, 5035L, 5035H, 3630C, 3640A, 3660B, 3665A, 8015B 8081A, 8082, 8260B, 8270C)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6020, 1311, 1312, 3050B, 3051, 3060A, 7196A, 7470A, 7471A, 7474, 9040B, 9045C, 9060. Organic Parameters: SW-846 3540C, 3570, 3580A, 5030B, 5035L, 5035H, 3630C, 3640A, 3660B, 3665A, 8081A, 8082, 8260B, 8270C, 8015B.)

Atmospheric Organic Parameters (EPA TO-15)

Biological Tissue (Inorganic Parameters: SW-846 6020 Organic Parameters: SW-846 8270C, 3510C, 3570, 3610C, 3630C, 3640A)

New York Department of Health Certificate/Lab ID: 11627. **NELAP Accredited.**

Non-Potable Water (Inorganic Parameters: SM2320B, SM2540D, EPA 200.8, 6020, 1631E, 245.1, 245.7, 7470A, 9014, 9040B, 9050, 120.1, 4500CN-E, 4500H-B, EPA 376.2, 180.1, 3020A. Organic Parameters: EPA 8260B, 8270C, 8081A, 8082, 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 6020, 7196A, 3060A, 7471A, 7474, 9014, 9040B, 9045C, 9010B. Organic Parameters: EPA 8260B, 8270C, 8081A, DRO 8015B, 8082, 1311, 1312, 3050B, 3580, 3570, 3051, 5035, 5030B.)

Air & Emissions (EPA TO-15.)

Pennsylvania Certificate/Lab ID: 68-02089 **NELAP Accredited**

Solid & Hazardous Waste (Inorganic Parameters: EPA 6020A, 7471B, 7474. Organic Parameters: EPA 3050B, 3540C, 3630C, 8270C, 8081B, 8082A.)

Rhode Island Department of Health Certificate/Lab ID: LAO00299. **NELAP Accredited via LA-DEQ.**

Refer to LA-DEQ Certificate for Non-Potable Water.

Texas Commission of Environmental Quality Certificate/Lab ID: T104704419-08-TX. **NELAP Accredited.**

Solid & Chemical Materials (Inorganic Parameters: EPA 6020, 7470, 7471, 1311, 7196, 9040, 9045, 9060. Organic Parameters: EPA 8015, 8270, 8260, 8081, 8082.)

Air (Organic Parameters: EPA TO-15)

Washington State Department of Ecology Certificate/Lab ID: C954. *Non-Potable Water* (Inorganic Parameters: SM2540D, 180.1, 1631E.)

Solid & Chemical Materials (Inorganic Parameters: EPA 6020, 7470, 7471, 7474, 9045C, 9050A, 9060. Organic Parameters: EPA 8081, 8082, 8015 Mod, 8270.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460194. **NELAP Accredited.**

Non-Potable Water (Inorganic Parameters: EPA 3020A, 6020A, 245.7, 9040B, SM4500H-B. Organic Parameters: EPA 3510C, 3640A, 3660B, 3665A, 8270C, 8270D, 8082A, 8081B.)

Solid & Chemical Materials (Inorganic Parameters: EPA 6020A, 7470A, 7471B, 9040B, 9045C, 3050B, 3051. Organic Parameters: EPA 3540C, 3580A, 3630C, 3640A, 3660B, 3665A, 3570, 8270C, 8270D, 8081B, 8082A, 8015D.)

U.S. Army Corps of Engineers

Department of Defense, L-A-B Certificate/Lab ID: L2217.01.

Non-Potable Water (Inorganic Parameters: EPA 6020A, SM4500H-B. Organic Parameters: 3020A, 3510C, 5030B, 8260B, 8270C, 8270C-ALK-PAH, 8082, 8081A, 8015D-SHC, 8015D.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 3050B, 6020A, 7471A, 9045C, 9060, SM 2540G, ASTM D422-63. Organic Parameters: EPA 3580A, 3570, 3540C, 5035A, 8260B, 8270C, 8270-ALK-PAH, 8082, 8081A, 8015D-SHC, 8015D.)

Air & Emissions (EPA TO-15.)

Analytes Not Accredited by NELAP

Certification is not available by NELAP for the following analytes: **8270C**: Biphenyl. **TO-15**: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 2-Methylnaphthalene, 1-Methylnaphthalene.



AIR ANALYSIS

CHAIN OF CUSTODY

320 Forbes Blvd, Mansfield, MA 02048
 TEL: 508-822-9300 FAX: 508-822-3288

PAGE 1 OF

Date Rec'd in Lab:

ALPHA Job #: L1206546

Project Information

Project Name:
 Project Location: 62 N 9th ST, Bklyn, NY
 Project #:
 Project Manager:
 ALPHA Quote #:

Report Information - Data Deliverables

FAX
 ADEx
 Criteria Checker: _____
(Default based on Regulatory Criteria Indicated)
 Other Formats: _____
 EMAIL (standard pdf report)
 Additional Deliverables:
 Report to: (if different than Project Manager)

Billing Information

Same as Client info PO #:

Client Information

Client: Associated Env. Services
 Address: 25 Central Ave
Hempstead NY 11788
 Phone: 631 234 4280
 Fax: 631 234 4297
 Email: greg@assocenvsvcs.com

Turn-Around Time

Standard RUSH (only confirmed if pre-approved!)

Date Due: Time:

Regulatory Requirements/Report Limits

State/Fed	Program	Criteria
<u>NY</u>	<u>DOH</u>	

Other Project Specific Requirements/Comments:

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection					Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller	ANALYSIS						Sample Comments (i.e. PID)
		Date	Start Time	End Time	Initial Vacuum	Final Vacuum						TO-14A by TO-15	TO-15	TO-15 SIM	APH	FIXED GASES	TO-13A	
<u>L1206546-1</u>	<u>SSV-1</u>	<u>4/11/12</u>	<u>0932</u>	<u>1730</u>	<u>-29.55</u>	<u>-9.15</u>	<u>SV</u>	<u>GE</u>	<u>2.7L</u>	<u>200</u>	<u>0356</u>	<u>X</u>						<u>PID = 415 ppm</u>
<u>2</u>	<u>SSV-2</u>		<u>0951</u>	<u>1747</u>	<u>-29.72</u>	<u>-3.52</u>	<u>SV</u>	<u>GE</u>		<u>154</u>	<u>0382</u>	<u>X</u>						<u>PID = 3.5 ppm</u>
<u>3</u>	<u>IA-1</u>		<u>0934</u>	<u>1732</u>	<u>-29.72</u>	<u>-4.67</u>	<u>AA</u>	<u>GE</u>		<u>223</u>	<u>0496</u>	<u>X</u>						<u>PID = 0.4 ppm</u>
<u>4</u>	<u>IA-2</u>		<u>0951</u>	<u>1748</u>	<u>-28.84</u>	<u>-5.19</u>	<u>AA</u>	<u>GE</u>		<u>482</u>	<u>0064</u>	<u>X</u>						<u>PID = 0.7 ppm</u>
<u>5</u>	<u>OA-1</u>		<u>0953</u>	<u>1752</u>	<u>-29.54</u>	<u>-4.52</u>	<u>AA</u>	<u>GE</u>		<u>195</u>	<u>0474</u>	<u>X</u>						<u>PID = 0.2 ppm</u>

*SAMPLE MATRIX CODES

AA = Ambient Air (Indoor/Outdoor)
 SV = Soil Vapor/Landfill Gas/SVE
 Other = Please Specify

Container Type

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

Relinquished By:	Date/Time	Received By:	Date/Time
<u>[Signature]</u>	<u>4/16/12 1030</u>	<u>[Signature]</u>	<u>4/13/12 9:00</u>
<u>[Signature]</u>	<u>4/16/12 1030</u>	<u>[Signature]</u>	<u>4/13/12 1800</u>
<u>[Signature]</u>	<u>4/13/12 2220</u>	<u>[Signature]</u>	<u>4/13/12 2220</u>
<u>[Signature]</u>	<u>4/13/12</u>	<u>[Signature]</u>	<u>4/16/12 0900</u>



ANALYTICAL REPORT

Lab Number:	L1206522
Client:	Associated Environmental Services, Ltd. 25 Central Avenue Hauppauge, NY 11788
ATTN:	Greg Ernst
Phone:	(631) 234-4280
Project Name:	Not Specified
Project Number:	Not Specified
Report Date:	04/23/12

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com



Project Name: Not Specified
Project Number: Not Specified

Lab Number: L1206522
Report Date: 04/23/12

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1206522-01	B-1 (0-2')	62N 9TH ST, BKLN, NY	04/12/12 13:20
L1206522-02	B-1 (6-8')	62N 9TH ST, BKLN, NY	04/12/12 14:30
L1206522-03	B-2 (0-2')	62N 9TH ST, BKLN, NY	04/12/12 12:00
L1206522-04	B-2 (8-10')	62N 9TH ST, BKLN, NY	04/12/12 12:20
L1206522-05	B-3 (0-2')	62N 9TH ST, BKLN, NY	04/12/12 11:30
L1206522-06	B-3 (8-10')	62N 9TH ST, BKLN, NY	04/12/12 10:50
L1206522-07	GW-1	62N 9TH ST, BKLN, NY	04/12/12 16:30
L1206522-08	GW-2	62N 9TH ST, BKLN, NY	04/12/12 11:10
L1206522-09	FB-1	62N 9TH ST, BKLN, NY	04/12/12 14:00
L1206522-10	TB	62N 9TH ST, BKLN, NY	04/12/12 00:00

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L1206522
Report Date: 04/23/12

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

Please contact Client Services at 800-624-9220 with any questions.

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L1206522
Report Date: 04/23/12

Case Narrative (continued)

Sample Receipt

A Trip Blank was listed on the Chain of Custody, but not received. This was verified by the client.

Volatile Organics

L1206522-09: The Field Blank has a result for Acetone present above the reporting limit. The sample vial was verified as being labeled correctly by the laboratory and the previous analysis showed there was no potential for carry over.

Semivolatile Organics

The WG529679-1 Method Blank, associated with L1206522-07, -08 and 09, has a concentration above the reporting limit for Bis(2-ethylhexyl)phthalate. The results of the original analysis are reported and are qualified with a "B" for any associated sample concentrations that are less than 5x the Method Blank concentration for this analyte.

Semivolatile Organics - SIM

L1206522-07, -08, and -09 have elevated detection limits due to limited sample volume available for analysis.

L1206522-07: The associated WG529684-1 Method Blank has concentrations above the reporting limits for many of the target compounds; however, the criteria were achieved upon re-extraction outside of holding time. The results of both extractions are reported with the original QC.

L1206522-08 and -09: The associated WG529684-1 Method Blank has concentrations above the reporting limits for the reporting limits for many of the target compounds. Since the samples were non-detect for these target analytes, no further actions were taken. The results of the original analysis are reported.

PCBs

L1206522-07 has elevated detection limit due to limited sample volume available for analysis.

Total Metals

L1206522-01 through -06 have elevated detection limits for all elements, with the exception of Mercury, due to

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L1206522
Report Date: 04/23/12

Case Narrative (continued)

the dilutions required by the sample matrix.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:  Elizabeth Simmons

Title: Technical Director/Representative

Date: 04/23/12

ORGANICS

VOLATILES

Project Name: Not Specified**Lab Number:** L1206522**Project Number:** Not Specified**Report Date:** 04/23/12**SAMPLE RESULTS**

Lab ID: L1206522-01
 Client ID: B-1 (0-2')
 Sample Location: 62N 9TH ST, BKLN, NY
 Matrix: Soil
 Analytical Method: 1,8260B
 Analytical Date: 04/16/12 17:42
 Analyst: BN
 Percent Solids: 97%

Date Collected: 04/12/12 13:20
 Date Received: 04/13/12
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	6.1	J	ug/kg	26	2.1	1
1,1-Dichloroethane	ND		ug/kg	3.9	0.76	1
Chloroform	ND		ug/kg	3.9	0.84	1
Carbon tetrachloride	ND		ug/kg	2.6	0.54	1
1,2-Dichloropropane	ND		ug/kg	9.0	0.66	1
Dibromochloromethane	ND		ug/kg	2.6	0.79	1
1,1,2-Trichloroethane	ND		ug/kg	3.9	1.0	1
Tetrachloroethene	ND		ug/kg	2.6	0.79	1
Chlorobenzene	ND		ug/kg	2.6	0.48	1
Trichlorofluoromethane	ND		ug/kg	13	1.0	1
1,2-Dichloroethane	ND		ug/kg	2.6	0.59	1
1,1,1-Trichloroethane	ND		ug/kg	2.6	0.70	1
Bromodichloromethane	ND		ug/kg	2.6	0.99	1
trans-1,3-Dichloropropene	ND		ug/kg	2.6	0.77	1
cis-1,3-Dichloropropene	ND		ug/kg	2.6	0.69	1
1,1-Dichloropropene	ND		ug/kg	13	1.2	1
Bromoform	ND		ug/kg	10	1.3	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.6	0.62	1
Benzene	ND		ug/kg	2.6	0.76	1
Toluene	3.2	J	ug/kg	3.9	0.62	1
Ethylbenzene	ND		ug/kg	2.6	0.57	1
Chloromethane	ND		ug/kg	13	2.0	1
Bromomethane	ND		ug/kg	5.2	1.7	1
Vinyl chloride	ND		ug/kg	5.2	1.9	1
Chloroethane	ND		ug/kg	5.2	1.1	1
1,1-Dichloroethene	ND		ug/kg	2.6	0.67	1
trans-1,2-Dichloroethene	ND		ug/kg	3.9	1.0	1
Trichloroethene	49		ug/kg	2.6	0.58	1
1,2-Dichlorobenzene	ND		ug/kg	13	0.94	1
1,3-Dichlorobenzene	ND		ug/kg	13	1.0	1
1,4-Dichlorobenzene	ND		ug/kg	13	1.1	1

Project Name: Not Specified

Lab Number: L1206522

Project Number: Not Specified

Report Date: 04/23/12

SAMPLE RESULTS

Lab ID: L1206522-01
 Client ID: B-1 (0-2')
 Sample Location: 62N 9TH ST, BKLN, NY

Date Collected: 04/12/12 13:20
 Date Received: 04/13/12
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	5.2	1.2	1
p/m-Xylene	ND		ug/kg	5.2	1.1	1
o-Xylene	ND		ug/kg	5.2	1.1	1
cis-1,2-Dichloroethene	ND		ug/kg	2.6	0.78	1
Dibromomethane	ND		ug/kg	26	1.1	1
Styrene	ND		ug/kg	5.2	1.9	1
Dichlorodifluoromethane	ND		ug/kg	26	1.0	1
Acetone	ND		ug/kg	26	8.3	1
Carbon disulfide	ND		ug/kg	26	0.97	1
2-Butanone	ND		ug/kg	26	10.	1
Vinyl acetate	ND		ug/kg	26	1.9	1
4-Methyl-2-pentanone	ND		ug/kg	26	2.1	1
1,2,3-Trichloropropane	ND		ug/kg	26	1.0	1
2-Hexanone	ND		ug/kg	26	1.0	1
Bromochloromethane	ND		ug/kg	13	0.78	1
2,2-Dichloropropane	ND		ug/kg	13	2.0	1
1,2-Dibromoethane	ND		ug/kg	10	1.0	1
1,3-Dichloropropane	ND		ug/kg	13	1.4	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.6	0.85	1
Bromobenzene	ND		ug/kg	13	0.57	1
n-Butylbenzene	ND		ug/kg	2.6	0.81	1
sec-Butylbenzene	ND		ug/kg	2.6	0.71	1
tert-Butylbenzene	ND		ug/kg	13	1.6	1
o-Chlorotoluene	ND		ug/kg	13	0.81	1
p-Chlorotoluene	ND		ug/kg	13	0.93	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	13	2.2	1
Hexachlorobutadiene	ND		ug/kg	13	1.2	1
Isopropylbenzene	ND		ug/kg	2.6	0.46	1
p-Isopropyltoluene	ND		ug/kg	2.6	0.70	1
Naphthalene	ND		ug/kg	13	2.0	1
Acrylonitrile	ND		ug/kg	26	0.97	1
n-Propylbenzene	ND		ug/kg	2.6	0.73	1
1,2,3-Trichlorobenzene	ND		ug/kg	13	1.0	1
1,2,4-Trichlorobenzene	ND		ug/kg	13	2.0	1
1,3,5-Trimethylbenzene	ND		ug/kg	13	1.6	1
1,2,4-Trimethylbenzene	ND		ug/kg	13	1.5	1
1,4-Diethylbenzene	ND		ug/kg	10	0.52	1
4-Ethyltoluene	ND		ug/kg	10	0.25	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	10	0.47	1

Project Name: Not Specified**Lab Number:** L1206522**Project Number:** Not Specified**Report Date:** 04/23/12**SAMPLE RESULTS**

Lab ID: L1206522-01
 Client ID: B-1 (0-2')
 Sample Location: 62N 9TH ST, BKLN, NY

Date Collected: 04/12/12 13:20
 Date Received: 04/13/12
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Ethyl ether	ND		ug/kg	13	0.98	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	13	3.8	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	102		70-130

Project Name: Not Specified**Lab Number:** L1206522**Project Number:** Not Specified**Report Date:** 04/23/12**SAMPLE RESULTS**

Lab ID: L1206522-02
 Client ID: B-1 (6-8')
 Sample Location: 62N 9TH ST, BKLN, NY
 Matrix: Soil
 Analytical Method: 1,8260B
 Analytical Date: 04/16/12 18:17
 Analyst: BN
 Percent Solids: 97%

Date Collected: 04/12/12 14:30
 Date Received: 04/13/12
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	2.8	J	ug/kg	26	2.1	1
1,1-Dichloroethane	ND		ug/kg	3.9	0.76	1
Chloroform	ND		ug/kg	3.9	0.84	1
Carbon tetrachloride	ND		ug/kg	2.6	0.54	1
1,2-Dichloropropane	ND		ug/kg	9.0	0.66	1
Dibromochloromethane	ND		ug/kg	2.6	0.79	1
1,1,2-Trichloroethane	ND		ug/kg	3.9	1.0	1
Tetrachloroethene	ND		ug/kg	2.6	0.79	1
Chlorobenzene	ND		ug/kg	2.6	0.48	1
Trichlorofluoromethane	ND		ug/kg	13	1.0	1
1,2-Dichloroethane	ND		ug/kg	2.6	0.59	1
1,1,1-Trichloroethane	ND		ug/kg	2.6	0.70	1
Bromodichloromethane	ND		ug/kg	2.6	0.99	1
trans-1,3-Dichloropropene	ND		ug/kg	2.6	0.77	1
cis-1,3-Dichloropropene	ND		ug/kg	2.6	0.69	1
1,1-Dichloropropene	ND		ug/kg	13	1.2	1
Bromoform	ND		ug/kg	10	1.3	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.6	0.62	1
Benzene	ND		ug/kg	2.6	0.76	1
Toluene	ND		ug/kg	3.9	0.62	1
Ethylbenzene	ND		ug/kg	2.6	0.57	1
Chloromethane	ND		ug/kg	13	2.0	1
Bromomethane	ND		ug/kg	5.2	1.7	1
Vinyl chloride	ND		ug/kg	5.2	1.9	1
Chloroethane	ND		ug/kg	5.2	1.1	1
1,1-Dichloroethene	ND		ug/kg	2.6	0.67	1
trans-1,2-Dichloroethene	ND		ug/kg	3.9	1.0	1
Trichloroethene	4.6		ug/kg	2.6	0.58	1
1,2-Dichlorobenzene	ND		ug/kg	13	0.94	1
1,3-Dichlorobenzene	ND		ug/kg	13	1.0	1
1,4-Dichlorobenzene	ND		ug/kg	13	1.1	1

Project Name: Not Specified

Lab Number: L1206522

Project Number: Not Specified

Report Date: 04/23/12

SAMPLE RESULTS

Lab ID: L1206522-02
 Client ID: B-1 (6-8')
 Sample Location: 62N 9TH ST, BKLN, NY

Date Collected: 04/12/12 14:30
 Date Received: 04/13/12
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	5.2	1.2	1
p/m-Xylene	ND		ug/kg	5.2	1.1	1
o-Xylene	ND		ug/kg	5.2	1.1	1
cis-1,2-Dichloroethene	ND		ug/kg	2.6	0.78	1
Dibromomethane	ND		ug/kg	26	1.1	1
Styrene	ND		ug/kg	5.2	1.9	1
Dichlorodifluoromethane	ND		ug/kg	26	1.0	1
Acetone	ND		ug/kg	26	8.3	1
Carbon disulfide	ND		ug/kg	26	0.97	1
2-Butanone	ND		ug/kg	26	10.	1
Vinyl acetate	ND		ug/kg	26	1.9	1
4-Methyl-2-pentanone	ND		ug/kg	26	2.1	1
1,2,3-Trichloropropane	ND		ug/kg	26	1.0	1
2-Hexanone	ND		ug/kg	26	1.0	1
Bromochloromethane	ND		ug/kg	13	0.78	1
2,2-Dichloropropane	ND		ug/kg	13	2.0	1
1,2-Dibromoethane	ND		ug/kg	10	1.0	1
1,3-Dichloropropane	ND		ug/kg	13	1.4	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.6	0.85	1
Bromobenzene	ND		ug/kg	13	0.57	1
n-Butylbenzene	ND		ug/kg	2.6	0.81	1
sec-Butylbenzene	ND		ug/kg	2.6	0.71	1
tert-Butylbenzene	ND		ug/kg	13	1.6	1
o-Chlorotoluene	ND		ug/kg	13	0.81	1
p-Chlorotoluene	ND		ug/kg	13	0.93	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	13	2.2	1
Hexachlorobutadiene	ND		ug/kg	13	1.2	1
Isopropylbenzene	ND		ug/kg	2.6	0.46	1
p-Isopropyltoluene	ND		ug/kg	2.6	0.70	1
Naphthalene	ND		ug/kg	13	2.0	1
Acrylonitrile	ND		ug/kg	26	0.97	1
n-Propylbenzene	ND		ug/kg	2.6	0.73	1
1,2,3-Trichlorobenzene	ND		ug/kg	13	1.0	1
1,2,4-Trichlorobenzene	ND		ug/kg	13	2.0	1
1,3,5-Trimethylbenzene	ND		ug/kg	13	1.6	1
1,2,4-Trimethylbenzene	ND		ug/kg	13	1.5	1
1,4-Diethylbenzene	ND		ug/kg	10	0.52	1
4-Ethyltoluene	ND		ug/kg	10	0.25	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	10	0.47	1

Project Name: Not Specified**Lab Number:** L1206522**Project Number:** Not Specified**Report Date:** 04/23/12**SAMPLE RESULTS**

Lab ID: L1206522-02
 Client ID: B-1 (6-8')
 Sample Location: 62N 9TH ST, BKLN, NY

Date Collected: 04/12/12 14:30
 Date Received: 04/13/12
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Ethyl ether	ND		ug/kg	13	0.98	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	13	3.8	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	102		70-130

Project Name: Not Specified**Lab Number:** L1206522**Project Number:** Not Specified**Report Date:** 04/23/12**SAMPLE RESULTS**

Lab ID: L1206522-03
 Client ID: B-2 (0-2')
 Sample Location: 62N 9TH ST, BKLN, NY
 Matrix: Soil
 Analytical Method: 1,8260B
 Analytical Date: 04/16/12 18:52
 Analyst: BN
 Percent Solids: 94%

Date Collected: 04/12/12 12:00
 Date Received: 04/13/12
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	26	2.2	1
1,1-Dichloroethane	ND		ug/kg	4.0	0.78	1
Chloroform	ND		ug/kg	4.0	0.86	1
Carbon tetrachloride	ND		ug/kg	2.6	0.56	1
1,2-Dichloropropane	ND		ug/kg	9.3	0.68	1
Dibromochloromethane	ND		ug/kg	2.6	0.82	1
1,1,2-Trichloroethane	ND		ug/kg	4.0	1.0	1
Tetrachloroethene	ND		ug/kg	2.6	0.81	1
Chlorobenzene	ND		ug/kg	2.6	0.50	1
Trichlorofluoromethane	ND		ug/kg	13	1.0	1
1,2-Dichloroethane	ND		ug/kg	2.6	0.60	1
1,1,1-Trichloroethane	ND		ug/kg	2.6	0.72	1
Bromodichloromethane	ND		ug/kg	2.6	1.0	1
trans-1,3-Dichloropropene	ND		ug/kg	2.6	0.80	1
cis-1,3-Dichloropropene	ND		ug/kg	2.6	0.71	1
1,1-Dichloropropene	ND		ug/kg	13	1.2	1
Bromoform	ND		ug/kg	11	1.3	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.6	0.64	1
Benzene	ND		ug/kg	2.6	0.79	1
Toluene	ND		ug/kg	4.0	0.64	1
Ethylbenzene	ND		ug/kg	2.6	0.59	1
Chloromethane	ND		ug/kg	13	2.1	1
Bromomethane	ND		ug/kg	5.3	1.7	1
Vinyl chloride	ND		ug/kg	5.3	2.0	1
Chloroethane	ND		ug/kg	5.3	1.2	1
1,1-Dichloroethene	ND		ug/kg	2.6	0.69	1
trans-1,2-Dichloroethene	ND		ug/kg	4.0	1.0	1
Trichloroethene	3.6		ug/kg	2.6	0.60	1
1,2-Dichlorobenzene	ND		ug/kg	13	0.97	1
1,3-Dichlorobenzene	ND		ug/kg	13	1.1	1
1,4-Dichlorobenzene	ND		ug/kg	13	1.1	1

Project Name: Not Specified

Lab Number: L1206522

Project Number: Not Specified

Report Date: 04/23/12

SAMPLE RESULTS

Lab ID: L1206522-03
 Client ID: B-2 (0-2')
 Sample Location: 62N 9TH ST, BKLN, NY

Date Collected: 04/12/12 12:00
 Date Received: 04/13/12
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	5.3	1.3	1
p/m-Xylene	ND		ug/kg	5.3	1.1	1
o-Xylene	ND		ug/kg	5.3	1.1	1
cis-1,2-Dichloroethene	ND		ug/kg	2.6	0.80	1
Dibromomethane	ND		ug/kg	26	1.2	1
Styrene	ND		ug/kg	5.3	1.9	1
Dichlorodifluoromethane	ND		ug/kg	26	1.0	1
Acetone	ND		ug/kg	26	8.6	1
Carbon disulfide	ND		ug/kg	26	1.0	1
2-Butanone	ND		ug/kg	26	10.	1
Vinyl acetate	ND		ug/kg	26	2.0	1
4-Methyl-2-pentanone	ND		ug/kg	26	2.2	1
1,2,3-Trichloropropane	ND		ug/kg	26	1.0	1
2-Hexanone	ND		ug/kg	26	1.0	1
Bromochloromethane	ND		ug/kg	13	0.80	1
2,2-Dichloropropane	ND		ug/kg	13	2.1	1
1,2-Dibromoethane	ND		ug/kg	11	1.1	1
1,3-Dichloropropane	ND		ug/kg	13	1.5	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.6	0.87	1
Bromobenzene	ND		ug/kg	13	0.58	1
n-Butylbenzene	ND		ug/kg	2.6	0.84	1
sec-Butylbenzene	ND		ug/kg	2.6	0.73	1
tert-Butylbenzene	ND		ug/kg	13	1.6	1
o-Chlorotoluene	ND		ug/kg	13	0.83	1
p-Chlorotoluene	ND		ug/kg	13	0.96	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	13	2.2	1
Hexachlorobutadiene	ND		ug/kg	13	1.2	1
Isopropylbenzene	ND		ug/kg	2.6	0.47	1
p-Isopropyltoluene	ND		ug/kg	2.6	0.73	1
Naphthalene	2.8	J	ug/kg	13	2.0	1
Acrylonitrile	ND		ug/kg	26	1.0	1
n-Propylbenzene	ND		ug/kg	2.6	0.76	1
1,2,3-Trichlorobenzene	ND		ug/kg	13	1.1	1
1,2,4-Trichlorobenzene	ND		ug/kg	13	2.1	1
1,3,5-Trimethylbenzene	ND		ug/kg	13	1.6	1
1,2,4-Trimethylbenzene	ND		ug/kg	13	1.5	1
1,4-Diethylbenzene	ND		ug/kg	11	0.53	1
4-Ethyltoluene	ND		ug/kg	11	0.26	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	11	0.48	1

Project Name: Not Specified**Lab Number:** L1206522**Project Number:** Not Specified**Report Date:** 04/23/12**SAMPLE RESULTS**

Lab ID: L1206522-03
 Client ID: B-2 (0-2')
 Sample Location: 62N 9TH ST, BKLN, NY

Date Collected: 04/12/12 12:00
 Date Received: 04/13/12
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Ethyl ether	ND		ug/kg	13	1.0	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	13	3.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	78		70-130

Project Name: Not Specified**Lab Number:** L1206522**Project Number:** Not Specified**Report Date:** 04/23/12**SAMPLE RESULTS**

Lab ID: L1206522-04
Client ID: B-2 (8-10')
Sample Location: 62N 9TH ST, BKLN, NY
Matrix: Soil
Analytical Method: 1,8260B
Analytical Date: 04/16/12 19:24
Analyst: BN
Percent Solids: 85%

Date Collected: 04/12/12 12:20
Date Received: 04/13/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	29	2.4	1
1,1-Dichloroethane	ND		ug/kg	4.4	0.87	1
Chloroform	ND		ug/kg	4.4	0.95	1
Carbon tetrachloride	ND		ug/kg	2.9	0.62	1
1,2-Dichloropropane	ND		ug/kg	10	0.75	1
Dibromochloromethane	ND		ug/kg	2.9	0.90	1
1,1,2-Trichloroethane	ND		ug/kg	4.4	1.2	1
Tetrachloroethene	ND		ug/kg	2.9	0.90	1
Chlorobenzene	ND		ug/kg	2.9	0.55	1
Trichlorofluoromethane	ND		ug/kg	15	1.2	1
1,2-Dichloroethane	ND		ug/kg	2.9	0.67	1
1,1,1-Trichloroethane	ND		ug/kg	2.9	0.79	1
Bromodichloromethane	ND		ug/kg	2.9	1.1	1
trans-1,3-Dichloropropene	ND		ug/kg	2.9	0.88	1
cis-1,3-Dichloropropene	ND		ug/kg	2.9	0.78	1
1,1-Dichloropropene	ND		ug/kg	15	1.3	1
Bromoform	ND		ug/kg	12	1.4	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.9	0.71	1
Benzene	ND		ug/kg	2.9	0.87	1
Toluene	ND		ug/kg	4.4	0.71	1
Ethylbenzene	ND		ug/kg	2.9	0.65	1
Chloromethane	ND		ug/kg	15	2.3	1
Bromomethane	ND		ug/kg	5.9	1.9	1
Vinyl chloride	ND		ug/kg	5.9	2.2	1
Chloroethane	ND		ug/kg	5.9	1.3	1
1,1-Dichloroethene	ND		ug/kg	2.9	0.76	1
trans-1,2-Dichloroethene	ND		ug/kg	4.4	1.2	1
Trichloroethene	ND		ug/kg	2.9	0.66	1
1,2-Dichlorobenzene	ND		ug/kg	15	1.1	1
1,3-Dichlorobenzene	ND		ug/kg	15	1.2	1
1,4-Dichlorobenzene	ND		ug/kg	15	1.2	1

Project Name: Not Specified

Lab Number: L1206522

Project Number: Not Specified

Report Date: 04/23/12

SAMPLE RESULTS

Lab ID: L1206522-04
 Client ID: B-2 (8-10')
 Sample Location: 62N 9TH ST, BKLN, NY

Date Collected: 04/12/12 12:20
 Date Received: 04/13/12
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	5.9	1.4	1
p/m-Xylene	ND		ug/kg	5.9	1.3	1
o-Xylene	ND		ug/kg	5.9	1.2	1
cis-1,2-Dichloroethene	ND		ug/kg	2.9	0.89	1
Dibromomethane	ND		ug/kg	29	1.3	1
Styrene	ND		ug/kg	5.9	2.1	1
Dichlorodifluoromethane	ND		ug/kg	29	1.1	1
Acetone	ND		ug/kg	29	9.5	1
Carbon disulfide	ND		ug/kg	29	1.1	1
2-Butanone	ND		ug/kg	29	11.	1
Vinyl acetate	ND		ug/kg	29	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	29	2.4	1
1,2,3-Trichloropropane	ND		ug/kg	29	1.1	1
2-Hexanone	ND		ug/kg	29	1.2	1
Bromochloromethane	ND		ug/kg	15	0.89	1
2,2-Dichloropropane	ND		ug/kg	15	2.3	1
1,2-Dibromoethane	ND		ug/kg	12	1.2	1
1,3-Dichloropropane	ND		ug/kg	15	1.7	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.9	0.96	1
Bromobenzene	ND		ug/kg	15	0.65	1
n-Butylbenzene	ND		ug/kg	2.9	0.92	1
sec-Butylbenzene	ND		ug/kg	2.9	0.81	1
tert-Butylbenzene	ND		ug/kg	15	1.8	1
o-Chlorotoluene	ND		ug/kg	15	0.92	1
p-Chlorotoluene	ND		ug/kg	15	1.1	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	15	2.5	1
Hexachlorobutadiene	ND		ug/kg	15	1.3	1
Isopropylbenzene	ND		ug/kg	2.9	0.52	1
p-Isopropyltoluene	ND		ug/kg	2.9	0.80	1
Naphthalene	ND		ug/kg	15	2.3	1
Acrylonitrile	ND		ug/kg	29	1.1	1
n-Propylbenzene	ND		ug/kg	2.9	0.84	1
1,2,3-Trichlorobenzene	ND		ug/kg	15	1.2	1
1,2,4-Trichlorobenzene	ND		ug/kg	15	2.3	1
1,3,5-Trimethylbenzene	ND		ug/kg	15	1.8	1
1,2,4-Trimethylbenzene	ND		ug/kg	15	1.7	1
1,4-Diethylbenzene	ND		ug/kg	12	0.59	1
4-Ethyltoluene	ND		ug/kg	12	0.28	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	12	0.53	1

Project Name: Not Specified**Lab Number:** L1206522**Project Number:** Not Specified**Report Date:** 04/23/12**SAMPLE RESULTS**

Lab ID: L1206522-04
 Client ID: B-2 (8-10')
 Sample Location: 62N 9TH ST, BKLN, NY

Date Collected: 04/12/12 12:20
 Date Received: 04/13/12
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Ethyl ether	ND		ug/kg	15	1.1	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	15	4.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	104		70-130

Project Name: Not Specified**Lab Number:** L1206522**Project Number:** Not Specified**Report Date:** 04/23/12**SAMPLE RESULTS**

Lab ID: L1206522-05
Client ID: B-3 (0-2')
Sample Location: 62N 9TH ST, BKLN, NY
Matrix: Soil
Analytical Method: 1,8260B
Analytical Date: 04/17/12 16:09
Analyst: BN
Percent Solids: 86%

Date Collected: 04/12/12 11:30
Date Received: 04/13/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	29	2.4	1
1,1-Dichloroethane	ND		ug/kg	4.4	0.86	1
Chloroform	ND		ug/kg	4.4	0.94	1
Carbon tetrachloride	ND		ug/kg	2.9	0.61	1
1,2-Dichloropropane	ND		ug/kg	10	0.74	1
Dibromochloromethane	ND		ug/kg	2.9	0.89	1
1,1,2-Trichloroethane	ND		ug/kg	4.4	1.1	1
Tetrachloroethene	ND		ug/kg	2.9	0.89	1
Chlorobenzene	ND		ug/kg	2.9	0.54	1
Trichlorofluoromethane	ND		ug/kg	14	1.1	1
1,2-Dichloroethane	ND		ug/kg	2.9	0.66	1
1,1,1-Trichloroethane	ND		ug/kg	2.9	0.78	1
Bromodichloromethane	ND		ug/kg	2.9	1.1	1
trans-1,3-Dichloropropene	ND		ug/kg	2.9	0.87	1
cis-1,3-Dichloropropene	ND		ug/kg	2.9	0.78	1
1,1-Dichloropropene	ND		ug/kg	14	1.3	1
Bromoform	ND		ug/kg	12	1.4	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.9	0.70	1
Benzene	ND		ug/kg	2.9	0.86	1
Toluene	ND		ug/kg	4.4	0.70	1
Ethylbenzene	ND		ug/kg	2.9	0.64	1
Chloromethane	ND		ug/kg	14	2.3	1
Bromomethane	ND		ug/kg	5.8	1.9	1
Vinyl chloride	ND		ug/kg	5.8	2.2	1
Chloroethane	ND		ug/kg	5.8	1.3	1
1,1-Dichloroethene	ND		ug/kg	2.9	0.76	1
trans-1,2-Dichloroethene	ND		ug/kg	4.4	1.1	1
Trichloroethene	ND		ug/kg	2.9	0.65	1
1,2-Dichlorobenzene	ND		ug/kg	14	1.0	1
1,3-Dichlorobenzene	ND		ug/kg	14	1.2	1
1,4-Dichlorobenzene	ND		ug/kg	14	1.2	1

Project Name: Not Specified

Lab Number: L1206522

Project Number: Not Specified

Report Date: 04/23/12

SAMPLE RESULTS

Lab ID: L1206522-05
 Client ID: B-3 (0-2')
 Sample Location: 62N 9TH ST, BKLN, NY

Date Collected: 04/12/12 11:30
 Date Received: 04/13/12
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	5.8	1.4	1
p/m-Xylene	ND		ug/kg	5.8	1.2	1
o-Xylene	ND		ug/kg	5.8	1.2	1
cis-1,2-Dichloroethene	ND		ug/kg	2.9	0.88	1
Dibromomethane	ND		ug/kg	29	1.3	1
Styrene	ND		ug/kg	5.8	2.1	1
Dichlorodifluoromethane	ND		ug/kg	29	1.1	1
Acetone	ND		ug/kg	29	9.4	1
Carbon disulfide	ND		ug/kg	29	1.1	1
2-Butanone	ND		ug/kg	29	11.	1
Vinyl acetate	ND		ug/kg	29	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	29	2.4	1
1,2,3-Trichloropropane	ND		ug/kg	29	1.1	1
2-Hexanone	ND		ug/kg	29	1.2	1
Bromochloromethane	ND		ug/kg	14	0.88	1
2,2-Dichloropropane	ND		ug/kg	14	2.3	1
1,2-Dibromoethane	ND		ug/kg	12	1.2	1
1,3-Dichloropropane	ND		ug/kg	14	1.6	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.9	0.95	1
Bromobenzene	ND		ug/kg	14	0.64	1
n-Butylbenzene	ND		ug/kg	2.9	0.91	1
sec-Butylbenzene	ND		ug/kg	2.9	0.80	1
tert-Butylbenzene	ND		ug/kg	14	1.8	1
o-Chlorotoluene	ND		ug/kg	14	0.91	1
p-Chlorotoluene	ND		ug/kg	14	1.0	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	14	2.4	1
Hexachlorobutadiene	ND		ug/kg	14	1.3	1
Isopropylbenzene	ND		ug/kg	2.9	0.51	1
p-Isopropyltoluene	ND		ug/kg	2.9	0.79	1
Naphthalene	ND		ug/kg	14	2.2	1
Acrylonitrile	ND		ug/kg	29	1.1	1
n-Propylbenzene	ND		ug/kg	2.9	0.82	1
1,2,3-Trichlorobenzene	ND		ug/kg	14	1.2	1
1,2,4-Trichlorobenzene	ND		ug/kg	14	2.3	1
1,3,5-Trimethylbenzene	ND		ug/kg	14	1.7	1
1,2,4-Trimethylbenzene	ND		ug/kg	14	1.7	1
1,4-Diethylbenzene	ND		ug/kg	12	0.58	1
4-Ethyltoluene	ND		ug/kg	12	0.28	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	12	0.53	1

Project Name: Not Specified**Lab Number:** L1206522**Project Number:** Not Specified**Report Date:** 04/23/12**SAMPLE RESULTS**

Lab ID: L1206522-05
 Client ID: B-3 (0-2')
 Sample Location: 62N 9TH ST, BKLN, NY

Date Collected: 04/12/12 11:30
 Date Received: 04/13/12
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Ethyl ether	ND		ug/kg	14	1.1	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	14	4.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	86		70-130

Project Name: Not Specified

Lab Number: L1206522

Project Number: Not Specified

Report Date: 04/23/12

SAMPLE RESULTS

Lab ID: L1206522-06
 Client ID: B-3 (8-10')
 Sample Location: 62N 9TH ST, BKLN, NY
 Matrix: Soil
 Analytical Method: 1,8260B
 Analytical Date: 04/17/12 16:37
 Analyst: BN
 Percent Solids: 85%

Date Collected: 04/12/12 10:50
 Date Received: 04/13/12
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	29	2.4	1
1,1-Dichloroethane	ND		ug/kg	4.4	0.87	1
Chloroform	ND		ug/kg	4.4	0.95	1
Carbon tetrachloride	ND		ug/kg	2.9	0.62	1
1,2-Dichloropropane	ND		ug/kg	10	0.75	1
Dibromochloromethane	ND		ug/kg	2.9	0.90	1
1,1,2-Trichloroethane	ND		ug/kg	4.4	1.2	1
Tetrachloroethene	4.5		ug/kg	2.9	0.90	1
Chlorobenzene	ND		ug/kg	2.9	0.55	1
Trichlorofluoromethane	ND		ug/kg	15	1.2	1
1,2-Dichloroethane	ND		ug/kg	2.9	0.67	1
1,1,1-Trichloroethane	ND		ug/kg	2.9	0.79	1
Bromodichloromethane	ND		ug/kg	2.9	1.1	1
trans-1,3-Dichloropropene	ND		ug/kg	2.9	0.88	1
cis-1,3-Dichloropropene	ND		ug/kg	2.9	0.78	1
1,1-Dichloropropene	ND		ug/kg	15	1.3	1
Bromoform	ND		ug/kg	12	1.4	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.9	0.71	1
Benzene	ND		ug/kg	2.9	0.87	1
Toluene	ND		ug/kg	4.4	0.71	1
Ethylbenzene	ND		ug/kg	2.9	0.65	1
Chloromethane	ND		ug/kg	15	2.3	1
Bromomethane	ND		ug/kg	5.9	1.9	1
Vinyl chloride	ND		ug/kg	5.9	2.2	1
Chloroethane	ND		ug/kg	5.9	1.3	1
1,1-Dichloroethene	ND		ug/kg	2.9	0.76	1
trans-1,2-Dichloroethene	ND		ug/kg	4.4	1.2	1
Trichloroethene	2.5	J	ug/kg	2.9	0.66	1
1,2-Dichlorobenzene	ND		ug/kg	15	1.1	1
1,3-Dichlorobenzene	3.4	J	ug/kg	15	1.2	1
1,4-Dichlorobenzene	3.7	J	ug/kg	15	1.2	1

Project Name: Not Specified

Lab Number: L1206522

Project Number: Not Specified

Report Date: 04/23/12

SAMPLE RESULTS

Lab ID: L1206522-06
 Client ID: B-3 (8-10')
 Sample Location: 62N 9TH ST, BKLN, NY

Date Collected: 04/12/12 10:50
 Date Received: 04/13/12
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	5.9	1.4	1
p/m-Xylene	5.0	J	ug/kg	5.9	1.3	1
o-Xylene	ND		ug/kg	5.9	1.2	1
cis-1,2-Dichloroethene	ND		ug/kg	2.9	0.89	1
Dibromomethane	ND		ug/kg	29	1.3	1
Styrene	ND		ug/kg	5.9	2.1	1
Dichlorodifluoromethane	ND		ug/kg	29	1.1	1
Acetone	ND		ug/kg	29	9.5	1
Carbon disulfide	2.8	J	ug/kg	29	1.1	1
2-Butanone	ND		ug/kg	29	11.	1
Vinyl acetate	ND		ug/kg	29	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	29	2.4	1
1,2,3-Trichloropropane	ND		ug/kg	29	1.1	1
2-Hexanone	ND		ug/kg	29	1.2	1
Bromochloromethane	ND		ug/kg	15	0.89	1
2,2-Dichloropropane	ND		ug/kg	15	2.3	1
1,2-Dibromoethane	ND		ug/kg	12	1.2	1
1,3-Dichloropropane	ND		ug/kg	15	1.7	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.9	0.96	1
Bromobenzene	ND		ug/kg	15	0.65	1
n-Butylbenzene	ND		ug/kg	2.9	0.92	1
sec-Butylbenzene	ND		ug/kg	2.9	0.81	1
tert-Butylbenzene	ND		ug/kg	15	1.8	1
o-Chlorotoluene	ND		ug/kg	15	0.92	1
p-Chlorotoluene	ND		ug/kg	15	1.1	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	15	2.5	1
Hexachlorobutadiene	ND		ug/kg	15	1.3	1
Isopropylbenzene	ND		ug/kg	2.9	0.52	1
p-Isopropyltoluene	ND		ug/kg	2.9	0.80	1
Naphthalene	ND		ug/kg	15	2.3	1
Acrylonitrile	ND		ug/kg	29	1.1	1
n-Propylbenzene	ND		ug/kg	2.9	0.84	1
1,2,3-Trichlorobenzene	ND		ug/kg	15	1.2	1
1,2,4-Trichlorobenzene	ND		ug/kg	15	2.3	1
1,3,5-Trimethylbenzene	ND		ug/kg	15	1.8	1
1,2,4-Trimethylbenzene	ND		ug/kg	15	1.7	1
1,4-Diethylbenzene	ND		ug/kg	12	0.59	1
4-Ethyltoluene	ND		ug/kg	12	0.28	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	12	0.53	1

Project Name: Not Specified**Lab Number:** L1206522**Project Number:** Not Specified**Report Date:** 04/23/12**SAMPLE RESULTS**

Lab ID: L1206522-06
 Client ID: B-3 (8-10')
 Sample Location: 62N 9TH ST, BKLN, NY

Date Collected: 04/12/12 10:50
 Date Received: 04/13/12
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Ethyl ether	ND		ug/kg	15	1.1	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	15	4.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	97		70-130

Project Name: Not Specified**Lab Number:** L1206522**Project Number:** Not Specified**Report Date:** 04/23/12**SAMPLE RESULTS**

Lab ID: L1206522-07
 Client ID: GW-1
 Sample Location: 62N 9TH ST, BKLN, NY
 Matrix: Water
 Analytical Method: 1,8260B
 Analytical Date: 04/17/12 12:45
 Analyst: PD

Date Collected: 04/12/12 16:30
 Date Received: 04/13/12
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	2.8		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.16	1
1,2-Dichloropropane	ND		ug/l	1.0	0.30	1
Dibromochloromethane	ND		ug/l	0.50	0.19	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.16	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.19	1
Benzene	ND		ug/l	0.50	0.19	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.18	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	37		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: Not Specified

Lab Number: L1206522

Project Number: Not Specified

Report Date: 04/23/12

SAMPLE RESULTS

Lab ID: L1206522-07
 Client ID: GW-1
 Sample Location: 62N 9TH ST, BKLN, NY

Date Collected: 04/12/12 16:30
 Date Received: 04/13/12
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	2.1	J	ug/l	5.0	1.0	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.0	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Diethylbenzene	ND		ug/l	2.0	0.70	1
4-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1

Project Name: Not Specified

Lab Number: L1206522

Project Number: Not Specified

Report Date: 04/23/12

SAMPLE RESULTS

Lab ID: L1206522-07
 Client ID: GW-1
 Sample Location: 62N 9TH ST, BKLN, NY

Date Collected: 04/12/12 16:30
 Date Received: 04/13/12
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	99		70-130

Project Name: Not Specified**Lab Number:** L1206522**Project Number:** Not Specified**Report Date:** 04/23/12**SAMPLE RESULTS**

Lab ID: L1206522-08
 Client ID: GW-2
 Sample Location: 62N 9TH ST, BKLN, NY
 Matrix: Water
 Analytical Method: 1,8260B
 Analytical Date: 04/17/12 13:22
 Analyst: PD

Date Collected: 04/12/12 11:10
 Date Received: 04/13/12
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.16	1
1,2-Dichloropropane	ND		ug/l	1.0	0.30	1
Dibromochloromethane	ND		ug/l	0.50	0.19	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.16	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.19	1
Benzene	ND		ug/l	0.50	0.19	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.18	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: Not Specified

Lab Number: L1206522

Project Number: Not Specified

Report Date: 04/23/12

SAMPLE RESULTS

Lab ID: L1206522-08
 Client ID: GW-2
 Sample Location: 62N 9TH ST, BKLN, NY

Date Collected: 04/12/12 11:10
 Date Received: 04/13/12
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.0	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.0	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Diethylbenzene	ND		ug/l	2.0	0.70	1
4-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1

Project Name: Not Specified**Lab Number:** L1206522**Project Number:** Not Specified**Report Date:** 04/23/12**SAMPLE RESULTS**

Lab ID: L1206522-08
 Client ID: GW-2
 Sample Location: 62N 9TH ST, BKLN, NY

Date Collected: 04/12/12 11:10
 Date Received: 04/13/12
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	98		70-130

Project Name: Not Specified

Lab Number: L1206522

Project Number: Not Specified

Report Date: 04/23/12

SAMPLE RESULTS

Lab ID: L1206522-09
 Client ID: FB-1
 Sample Location: 62N 9TH ST, BKLN, NY
 Matrix: Water
 Analytical Method: 1,8260B
 Analytical Date: 04/17/12 13:58
 Analyst: PD

Date Collected: 04/12/12 14:00
 Date Received: 04/13/12
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.16	1
1,2-Dichloropropane	ND		ug/l	1.0	0.30	1
Dibromochloromethane	ND		ug/l	0.50	0.19	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.16	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.19	1
Benzene	ND		ug/l	0.50	0.19	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.18	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: Not Specified

Lab Number: L1206522

Project Number: Not Specified

Report Date: 04/23/12

SAMPLE RESULTS

Lab ID: L1206522-09
 Client ID: FB-1
 Sample Location: 62N 9TH ST, BKLN, NY

Date Collected: 04/12/12 14:00
 Date Received: 04/13/12
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	11		ug/l	5.0	1.0	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	2.4	J	ug/l	5.0	1.0	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Diethylbenzene	ND		ug/l	2.0	0.70	1
4-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1

Project Name: Not Specified**Lab Number:** L1206522**Project Number:** Not Specified**Report Date:** 04/23/12**SAMPLE RESULTS**

Lab ID: L1206522-09
 Client ID: FB-1
 Sample Location: 62N 9TH ST, BKLN, NY

Date Collected: 04/12/12 14:00
 Date Received: 04/13/12
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	99		70-130

Project Name: Not Specified

Lab Number: L1206522

Project Number: Not Specified

Report Date: 04/23/12

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260B
 Analytical Date: 04/17/12 08:54
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05-06 Batch: WG529674-3					
Methylene chloride	ND		ug/kg	25	2.0
1,1-Dichloroethane	ND		ug/kg	3.8	0.74
Chloroform	ND		ug/kg	3.8	0.81
Carbon tetrachloride	ND		ug/kg	2.5	0.53
1,2-Dichloropropane	ND		ug/kg	8.8	0.64
Dibromochloromethane	ND		ug/kg	2.5	0.77
1,1,2-Trichloroethane	ND		ug/kg	3.8	0.98
Tetrachloroethene	ND		ug/kg	2.5	0.76
Chlorobenzene	ND		ug/kg	2.5	0.46
Trichlorofluoromethane	ND		ug/kg	12	0.98
1,2-Dichloroethane	ND		ug/kg	2.5	0.57
1,1,1-Trichloroethane	ND		ug/kg	2.5	0.67
Bromodichloromethane	ND		ug/kg	2.5	0.96
trans-1,3-Dichloropropene	ND		ug/kg	2.5	0.75
cis-1,3-Dichloropropene	ND		ug/kg	2.5	0.67
1,1-Dichloropropene	ND		ug/kg	12	1.1
Bromoform	ND		ug/kg	10	1.2
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.5	0.60
Benzene	ND		ug/kg	2.5	0.74
Toluene	ND		ug/kg	3.8	0.60
Ethylbenzene	ND		ug/kg	2.5	0.55
Chloromethane	ND		ug/kg	12	2.0
Bromomethane	ND		ug/kg	5.0	1.6
Vinyl chloride	ND		ug/kg	5.0	1.9
Chloroethane	ND		ug/kg	5.0	1.1
1,1-Dichloroethene	ND		ug/kg	2.5	0.65
trans-1,2-Dichloroethene	ND		ug/kg	3.8	0.98
Trichloroethene	ND		ug/kg	2.5	0.56
1,2-Dichlorobenzene	ND		ug/kg	12	0.91
1,3-Dichlorobenzene	ND		ug/kg	12	1.0
1,4-Dichlorobenzene	ND		ug/kg	12	1.0

Project Name: Not Specified

Lab Number: L1206522

Project Number: Not Specified

Report Date: 04/23/12

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260B
 Analytical Date: 04/17/12 08:54
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05-06 Batch: WG529674-3					
Methyl tert butyl ether	ND		ug/kg	5.0	1.2
p/m-Xylene	ND		ug/kg	5.0	1.1
o-Xylene	ND		ug/kg	5.0	1.0
cis-1,2-Dichloroethene	ND		ug/kg	2.5	0.75
Dibromomethane	ND		ug/kg	25	1.1
Styrene	ND		ug/kg	5.0	1.8
Dichlorodifluoromethane	ND		ug/kg	25	0.97
Acetone	ND		ug/kg	25	8.1
Carbon disulfide	ND		ug/kg	25	0.94
2-Butanone	ND		ug/kg	25	9.7
Vinyl acetate	ND		ug/kg	25	1.9
4-Methyl-2-pentanone	ND		ug/kg	25	2.0
1,2,3-Trichloropropane	ND		ug/kg	25	0.97
2-Hexanone	ND		ug/kg	25	0.99
Bromochloromethane	ND		ug/kg	12	0.76
2,2-Dichloropropane	ND		ug/kg	12	2.0
1,2-Dibromoethane	ND		ug/kg	10	1.0
1,3-Dichloropropane	ND		ug/kg	12	1.4
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.5	0.82
Bromobenzene	ND		ug/kg	12	0.55
n-Butylbenzene	ND		ug/kg	2.5	0.79
sec-Butylbenzene	ND		ug/kg	2.5	0.69
tert-Butylbenzene	ND		ug/kg	12	1.5
o-Chlorotoluene	ND		ug/kg	12	0.78
p-Chlorotoluene	ND		ug/kg	12	0.90
1,2-Dibromo-3-chloropropane	ND		ug/kg	12	2.1
Hexachlorobutadiene	ND		ug/kg	12	1.1
Isopropylbenzene	ND		ug/kg	2.5	0.44
p-Isopropyltoluene	ND		ug/kg	2.5	0.68
Naphthalene	ND		ug/kg	12	1.9
Acrylonitrile	ND		ug/kg	25	0.94

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L1206522
Report Date: 04/23/12

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8260B
Analytical Date: 04/17/12 08:54
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05-06 Batch: WG529674-3					
Isopropyl Ether	ND		ug/kg	10	1.0
tert-Butyl Alcohol	ND		ug/kg	150	3.1
n-Propylbenzene	ND		ug/kg	2.5	0.71
1,2,3-Trichlorobenzene	ND		ug/kg	12	1.0
1,2,4-Trichlorobenzene	ND		ug/kg	12	2.0
1,3,5-Trimethylbenzene	ND		ug/kg	12	1.5
1,2,4-Trimethylbenzene	ND		ug/kg	12	1.4
Methyl Acetate	ND		ug/kg	50	50.
Acrolein	ND		ug/kg	62	7.5
Cyclohexane	ND		ug/kg	50	50.
1,4-Dioxane	ND		ug/kg	250	44.
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/kg	50	0.99
1,4-Diethylbenzene	ND		ug/kg	10	0.50
4-Ethyltoluene	ND		ug/kg	10	0.24
1,2,4,5-Tetramethylbenzene	ND		ug/kg	10	0.45
Tetrahydrofuran	ND		ug/kg	50	2.8
Ethyl ether	ND		ug/kg	12	0.95
trans-1,4-Dichloro-2-butene	ND		ug/kg	12	3.7
Methyl cyclohexane	ND		ug/kg	10	10.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	96		70-130

Project Name: Not Specified

Lab Number: L1206522

Project Number: Not Specified

Report Date: 04/23/12

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260B
 Analytical Date: 04/16/12 09:05
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG529729-3					
Methylene chloride	ND		ug/kg	25	2.0
1,1-Dichloroethane	ND		ug/kg	3.8	0.74
Chloroform	ND		ug/kg	3.8	0.81
Carbon tetrachloride	ND		ug/kg	2.5	0.53
1,2-Dichloropropane	ND		ug/kg	8.8	0.64
Dibromochloromethane	ND		ug/kg	2.5	0.77
1,1,2-Trichloroethane	ND		ug/kg	3.8	0.98
Tetrachloroethene	ND		ug/kg	2.5	0.76
Chlorobenzene	ND		ug/kg	2.5	0.46
Trichlorofluoromethane	ND		ug/kg	12	0.98
1,2-Dichloroethane	ND		ug/kg	2.5	0.57
1,1,1-Trichloroethane	ND		ug/kg	2.5	0.67
Bromodichloromethane	ND		ug/kg	2.5	0.96
trans-1,3-Dichloropropene	ND		ug/kg	2.5	0.75
cis-1,3-Dichloropropene	ND		ug/kg	2.5	0.67
1,1-Dichloropropene	ND		ug/kg	12	1.1
Bromoform	ND		ug/kg	10	1.2
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.5	0.60
Benzene	ND		ug/kg	2.5	0.74
Toluene	ND		ug/kg	3.8	0.60
Ethylbenzene	ND		ug/kg	2.5	0.55
Chloromethane	ND		ug/kg	12	2.0
Bromomethane	ND		ug/kg	5.0	1.6
Vinyl chloride	ND		ug/kg	5.0	1.9
Chloroethane	ND		ug/kg	5.0	1.1
1,1-Dichloroethene	ND		ug/kg	2.5	0.65
trans-1,2-Dichloroethene	ND		ug/kg	3.8	0.98
Trichloroethene	ND		ug/kg	2.5	0.56
1,2-Dichlorobenzene	ND		ug/kg	12	0.91
1,3-Dichlorobenzene	ND		ug/kg	12	1.0
1,4-Dichlorobenzene	ND		ug/kg	12	1.0

Project Name: Not Specified

Lab Number: L1206522

Project Number: Not Specified

Report Date: 04/23/12

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260B
 Analytical Date: 04/16/12 09:05
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG529729-3					
Methyl tert butyl ether	ND		ug/kg	5.0	1.2
p/m-Xylene	ND		ug/kg	5.0	1.1
o-Xylene	ND		ug/kg	5.0	1.0
cis-1,2-Dichloroethene	ND		ug/kg	2.5	0.75
Dibromomethane	ND		ug/kg	25	1.1
Styrene	ND		ug/kg	5.0	1.8
Dichlorodifluoromethane	ND		ug/kg	25	0.97
Acetone	ND		ug/kg	25	8.1
Carbon disulfide	ND		ug/kg	25	0.94
2-Butanone	ND		ug/kg	25	9.7
Vinyl acetate	ND		ug/kg	25	1.9
4-Methyl-2-pentanone	ND		ug/kg	25	2.0
1,2,3-Trichloropropane	ND		ug/kg	25	0.97
2-Hexanone	ND		ug/kg	25	0.99
Bromochloromethane	ND		ug/kg	12	0.76
2,2-Dichloropropane	ND		ug/kg	12	2.0
1,2-Dibromoethane	ND		ug/kg	10	1.0
1,3-Dichloropropane	ND		ug/kg	12	1.4
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.5	0.82
Bromobenzene	ND		ug/kg	12	0.55
n-Butylbenzene	ND		ug/kg	2.5	0.79
sec-Butylbenzene	ND		ug/kg	2.5	0.69
tert-Butylbenzene	ND		ug/kg	12	1.5
o-Chlorotoluene	ND		ug/kg	12	0.78
p-Chlorotoluene	ND		ug/kg	12	0.90
1,2-Dibromo-3-chloropropane	ND		ug/kg	12	2.1
Hexachlorobutadiene	ND		ug/kg	12	1.1
Isopropylbenzene	ND		ug/kg	2.5	0.44
p-Isopropyltoluene	ND		ug/kg	2.5	0.68
Naphthalene	ND		ug/kg	12	1.9
Acrylonitrile	ND		ug/kg	25	0.94

Project Name: Not Specified

Lab Number: L1206522

Project Number: Not Specified

Report Date: 04/23/12

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8260B
 Analytical Date: 04/16/12 09:05
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG529729-3					
n-Propylbenzene	ND		ug/kg	2.5	0.71
1,2,3-Trichlorobenzene	ND		ug/kg	12	1.0
1,2,4-Trichlorobenzene	ND		ug/kg	12	2.0
1,3,5-Trimethylbenzene	ND		ug/kg	12	1.5
1,2,4-Trimethylbenzene	ND		ug/kg	12	1.4
1,4-Diethylbenzene	ND		ug/kg	10	0.50
4-Ethyltoluene	ND		ug/kg	10	0.24
1,2,4,5-Tetramethylbenzene	ND		ug/kg	10	0.45
Ethyl ether	ND		ug/kg	12	0.95
trans-1,4-Dichloro-2-butene	ND		ug/kg	12	3.7

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	101		70-130

Project Name: Not Specified

Lab Number: L1206522

Project Number: Not Specified

Report Date: 04/23/12

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260B
 Analytical Date: 04/17/12 09:42
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07-09 Batch: WG529767-3					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.16
1,2-Dichloropropane	ND		ug/l	1.0	0.30
Dibromochloromethane	ND		ug/l	0.50	0.19
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.16
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.19
Benzene	ND		ug/l	0.50	0.19
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.33
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.18
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.17
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: Not Specified

Lab Number: L1206522

Project Number: Not Specified

Report Date: 04/23/12

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260B
 Analytical Date: 04/17/12 09:42
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07-09 Batch: WG529767-3					
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.0
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.0
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70

Project Name: Not Specified

Lab Number: L1206522

Project Number: Not Specified

Report Date: 04/23/12

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8260B
 Analytical Date: 04/17/12 09:42
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07-09 Batch: WG529767-3					
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Diethylbenzene	ND		ug/l	2.0	0.70
4-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	95		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Lab Number: L1206522

Project Number: Not Specified

Report Date: 04/23/12

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05-06 Batch: WG529674-1 WG529674-2								
Methylene chloride	109		106		70-130	3		30
1,1-Dichloroethane	106		103		70-130	3		30
Chloroform	107		104		70-130	3		30
Carbon tetrachloride	108		101		70-130	7		30
1,2-Dichloropropane	107		104		70-130	3		30
Dibromochloromethane	106		103		70-130	3		30
1,1,2-Trichloroethane	112		107		70-130	5		30
Tetrachloroethene	111		103		70-130	7		30
Chlorobenzene	101		96		70-130	5		30
Trichlorofluoromethane	122		113		70-139	8		30
1,2-Dichloroethane	104		103		70-130	1		30
1,1,1-Trichloroethane	108		102		70-130	6		30
Bromodichloromethane	108		105		70-130	3		30
trans-1,3-Dichloropropene	108		104		70-130	4		30
cis-1,3-Dichloropropene	106		104		70-130	2		30
1,1-Dichloropropene	105		98		70-130	7		30
Bromoform	106		103		70-130	3		30
1,1,2,2-Tetrachloroethane	102		96		70-130	6		30
Benzene	107		102		70-130	5		30
Toluene	100		91		70-130	9		30
Ethylbenzene	108		100		70-130	8		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L1206522
Report Date: 04/23/12

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05-06 Batch: WG529674-1 WG529674-2								
Chloromethane	93		87		52-130	7		30
Bromomethane	117		104		57-147	12		30
Vinyl chloride	102		95		67-130	7		30
Chloroethane	110		101		50-151	9		30
1,1-Dichloroethene	107		101		65-135	6		30
trans-1,2-Dichloroethene	109		104		70-130	5		30
Trichloroethene	115		111		70-130	4		30
1,2-Dichlorobenzene	106		101		70-130	5		30
1,3-Dichlorobenzene	107		101		70-130	6		30
1,4-Dichlorobenzene	105		100		70-130	5		30
Methyl tert butyl ether	99		98		66-130	1		30
p/m-Xylene	106		99		70-130	7		30
o-Xylene	106		100		70-130	6		30
cis-1,2-Dichloroethene	110		107		70-130	3		30
Dibromomethane	116		115		70-130	1		30
Styrene	104		98		70-130	6		30
Dichlorodifluoromethane	112		100		30-146	11		30
Acetone	96		85		54-140	12		30
Carbon disulfide	80		73		59-130	9		30
2-Butanone	90		92		70-130	2		30
Vinyl acetate	83		73		70-130	13		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L1206522
Report Date: 04/23/12

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05-06 Batch: WG529674-1 WG529674-2								
4-Methyl-2-pentanone	98		96		70-130	2		30
1,2,3-Trichloropropane	109		103		68-130	6		30
2-Hexanone	86		80		70-130	7		30
Bromochloromethane	111		109		70-130	2		30
2,2-Dichloropropane	106		100		70-130	6		30
1,2-Dibromoethane	110		106		70-130	4		30
1,3-Dichloropropane	106		103		69-130	3		30
1,1,1,2-Tetrachloroethane	109		105		70-130	4		30
Bromobenzene	107		102		70-130	5		30
n-Butylbenzene	107		97		70-130	10		30
sec-Butylbenzene	105		95		70-130	10		30
tert-Butylbenzene	102		93		70-130	9		30
o-Chlorotoluene	104		97		70-130	7		30
p-Chlorotoluene	103		97		70-130	6		30
1,2-Dibromo-3-chloropropane	103		100		68-130	3		30
Hexachlorobutadiene	104		95		67-130	9		30
Isopropylbenzene	103		96		70-130	7		30
p-Isopropyltoluene	109		100		70-130	9		30
Naphthalene	108		103		70-130	5		30
Acrylonitrile	91		89		70-130	2		30
Isopropyl Ether	84		83		66-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Lab Number: L1206522

Project Number: Not Specified

Report Date: 04/23/12

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05-06 Batch: WG529674-1 WG529674-2								
tert-Butyl Alcohol	107		103		70-130	4		30
n-Propylbenzene	103		94		70-130	9		30
1,2,3-Trichlorobenzene	109		102		70-130	7		30
1,2,4-Trichlorobenzene	112		105		70-130	6		30
1,3,5-Trimethylbenzene	100		92		70-130	8		30
1,2,4-Trimethylbenzene	106		99		70-130	7		30
Methyl Acetate	110		108		70-130	2		30
Acrolein	103		95		70-130	8		30
Cyclohexane	116		108		70-130	7		30
1,4-Dioxane	103		102		65-136	1		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	120		111		70-130	8		30
1,4-Diethylbenzene	117		110		70-130	6		30
4-Ethyltoluene	117		111		70-130	5		30
1,2,4,5-Tetramethylbenzene	116		113		70-130	3		30
Ethyl ether	96		97		67-130	1		30
trans-1,4-Dichloro-2-butene	84		81		70-130	4		30
Methyl cyclohexane	125		116		70-130	7		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L1206522
Report Date: 04/23/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05-06 Batch: WG529674-1 WG529674-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	92		95		70-130
Toluene-d8	98		96		70-130
4-Bromofluorobenzene	95		94		70-130
Dibromofluoromethane	101		100		70-130

Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG529729-1 WG529729-2								
Methylene chloride	109		108		70-130	1		30
1,1-Dichloroethane	115		117		70-130	2		30
Chloroform	111		112		70-130	1		30
Carbon tetrachloride	113		116		70-130	3		30
1,2-Dichloropropane	116		117		70-130	1		30
Dibromochloromethane	103		102		70-130	1		30
1,1,2-Trichloroethane	108		106		70-130	2		30
Tetrachloroethene	109		113		70-130	4		30
Chlorobenzene	99		101		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L1206522
Report Date: 04/23/12

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG529729-1 WG529729-2								
Trichlorofluoromethane	114		119		70-139	4		30
1,2-Dichloroethane	114		112		70-130	2		30
1,1,1-Trichloroethane	112		115		70-130	3		30
Bromodichloromethane	109		109		70-130	0		30
trans-1,3-Dichloropropene	108		107		70-130	1		30
cis-1,3-Dichloropropene	110		109		70-130	1		30
1,1-Dichloropropene	110		113		70-130	3		30
Bromoform	103		100		70-130	3		30
1,1,1,2-Tetrachloroethane	94		94		70-130	0		30
Benzene	109		112		70-130	3		30
Toluene	92		94		70-130	2		30
Ethylbenzene	106		108		70-130	2		30
Chloromethane	114		112		52-130	2		30
Bromomethane	101		94		57-147	7		30
Vinyl chloride	114		118		67-130	3		30
Chloroethane	105		109		50-151	4		30
1,1-Dichloroethene	112		115		65-135	3		30
trans-1,2-Dichloroethene	112		114		70-130	2		30
Trichloroethene	118		117		70-130	1		30
1,2-Dichlorobenzene	102		103		70-130	1		30
1,3-Dichlorobenzene	104		105		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Lab Number: L1206522

Project Number: Not Specified

Report Date: 04/23/12

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG529729-1 WG529729-2								
1,4-Dichlorobenzene	102		104		70-130	2		30
Methyl tert butyl ether	103		100		66-130	3		30
p/m-Xylene	105		107		70-130	2		30
o-Xylene	105		106		70-130	1		30
cis-1,2-Dichloroethene	112		114		70-130	2		30
Dibromomethane	115		114		70-130	1		30
Styrene	103		104		70-130	1		30
Dichlorodifluoromethane	127		134		30-146	5		30
Acetone	107		107		54-140	0		30
Carbon disulfide	85		89		59-130	5		30
2-Butanone	110		105		70-130	5		30
Vinyl acetate	99		110		70-130	11		30
4-Methyl-2-pentanone	104		102		70-130	2		30
1,2,3-Trichloropropane	98		98		68-130	0		30
2-Hexanone	93		89		70-130	4		30
Bromochloromethane	113		113		70-130	0		30
2,2-Dichloropropane	112		118		70-130	5		30
1,2-Dibromoethane	106		105		70-130	1		30
1,3-Dichloropropane	106		104		69-130	2		30
1,1,1,2-Tetrachloroethane	108		107		70-130	1		30
Bromobenzene	102		102		70-130	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L1206522
Report Date: 04/23/12

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG529729-1 WG529729-2								
n-Butylbenzene	104		109		70-130	5		30
sec-Butylbenzene	102		105		70-130	3		30
tert-Butylbenzene	99		102		70-130	3		30
o-Chlorotoluene	103		104		70-130	1		30
p-Chlorotoluene	102		105		70-130	3		30
1,2-Dibromo-3-chloropropane	104		94		68-130	10		30
Hexachlorobutadiene	99		100		67-130	1		30
Isopropylbenzene	98		101		70-130	3		30
p-Isopropyltoluene	108		110		70-130	2		30
Naphthalene	98		97		70-130	1		30
Acrylonitrile	109		105		70-130	4		30
n-Propylbenzene	101		104		70-130	3		30
1,2,3-Trichlorobenzene	100		100		70-130	0		30
1,2,4-Trichlorobenzene	105		106		70-130	1		30
1,3,5-Trimethylbenzene	98		101		70-130	3		30
1,2,4-Trimethylbenzene	106		109		70-130	3		30
1,4-Diethylbenzene	106		110		70-130	4		30
4-Ethyltoluene	106		109		70-130	3		30
1,2,4,5-Tetramethylbenzene	104		106		70-130	2		30
Ethyl ether	97		98		67-130	1		30
trans-1,4-Dichloro-2-butene	92		91		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Lab Number: L1206522

Project Number: Not Specified

Report Date: 04/23/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG529729-1 WG529729-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	99		100		70-130
Toluene-d8	97		97		70-130
4-Bromofluorobenzene	98		98		70-130
Dibromofluoromethane	101		100		70-130

Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07-09 Batch: WG529767-1 WG529767-2								
Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Methylene chloride	94		94		70-130	0		20
1,1-Dichloroethane	88		86		70-130	2		20
Chloroform	92		91		70-130	1		20
Carbon tetrachloride	101		100		63-132	1		20
1,2-Dichloropropane	87		88		70-130	1		20
Dibromochloromethane	94		94		63-130	0		20
1,1,2-Trichloroethane	91		94		70-130	3		20
Tetrachloroethene	95		92		70-130	3		20
Chlorobenzene	93		90		75-130	3		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Lab Number: L1206522

Project Number: Not Specified

Report Date: 04/23/12

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07-09 Batch: WG529767-1 WG529767-2								
Trichlorofluoromethane	117		115		62-150	2		20
1,2-Dichloroethane	93		94		70-130	1		20
1,1,1-Trichloroethane	95		94		67-130	1		20
Bromodichloromethane	94		93		67-130	1		20
trans-1,3-Dichloropropene	94		95		70-130	1		20
cis-1,3-Dichloropropene	91		92		70-130	1		20
1,1-Dichloropropene	96		95		70-130	1		20
Bromoform	97		102		54-136	5		20
1,1,1,2-Tetrachloroethane	91		92		67-130	1		20
Benzene	86		85		70-130	1		20
Toluene	88		86		70-130	2		20
Ethylbenzene	95		92		70-130	3		20
Chloromethane	85		82		64-130	4		20
Bromomethane	91		92		39-139	1		20
Vinyl chloride	106		103		55-140	3		20
Chloroethane	88		81		55-138	8		20
1,1-Dichloroethene	92		92		61-145	0		20
trans-1,2-Dichloroethene	89		87		70-130	2		20
Trichloroethene	87		90		70-130	3		20
1,2-Dichlorobenzene	96		96		70-130	0		20
1,3-Dichlorobenzene	98		95		70-130	3		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L1206522
Report Date: 04/23/12

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07-09 Batch: WG529767-1 WG529767-2								
1,4-Dichlorobenzene	96		94		70-130	2		20
Methyl tert butyl ether	80		86		63-130	7		20
p/m-Xylene	96		92		70-130	4		20
o-Xylene	97		94		70-130	3		20
cis-1,2-Dichloroethene	91		90		70-130	1		20
Dibromomethane	92		98		70-130	6		20
1,2,3-Trichloropropane	90		96		64-130	6		20
Acrylonitrile	78		84		70-130	7		20
Styrene	97		94		70-130	3		20
Dichlorodifluoromethane	100		96		36-147	4		20
Acetone	80		89		58-148	11		20
Carbon disulfide	93		87		51-130	7		20
2-Butanone	69		75		63-138	8		20
Vinyl acetate	92		78		70-130	16		20
4-Methyl-2-pentanone	75		83		59-130	10		20
2-Hexanone	73		80		57-130	9		20
Bromochloromethane	106		107		70-130	1		20
2,2-Dichloropropane	103		102		63-133	1		20
1,2-Dibromoethane	90		94		70-130	4		20
1,3-Dichloropropane	91		94		70-130	3		20
1,1,1,2-Tetrachloroethane	104		103		64-130	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L1206522
Report Date: 04/23/12

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07-09 Batch: WG529767-1 WG529767-2								
Bromobenzene	102		104		70-130	2		20
n-Butylbenzene	87		78		53-136	11		20
sec-Butylbenzene	104		98		70-130	6		20
tert-Butylbenzene	104		99		70-130	5		20
o-Chlorotoluene	103		101		70-130	2		20
p-Chlorotoluene	101		100		70-130	1		20
1,2-Dibromo-3-chloropropane	87		77		41-144	12		20
Hexachlorobutadiene	111		104		63-130	7		20
Isopropylbenzene	108		106		70-130	2		20
p-Isopropyltoluene	97		90		70-130	7		20
Naphthalene	62	Q	61	Q	70-130	2		20
n-Propylbenzene	104		100		69-130	4		20
1,2,3-Trichlorobenzene	70		63	Q	70-130	11		20
1,2,4-Trichlorobenzene	78		71		70-130	9		20
1,3,5-Trimethylbenzene	100		95		64-130	5		20
1,2,4-Trimethylbenzene	90		83		70-130	8		20
1,4-Diethylbenzene	89		82		70-130	8		20
4-Ethyltoluene	97		93		70-130	4		20
1,2,4,5-Tetramethylbenzene	98		90		70-130	9		20
Ethyl ether	113		119		59-134	5		20
trans-1,4-Dichloro-2-butene	83		88		70-130	6		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Lab Number: L1206522

Project Number: Not Specified

Report Date: 04/23/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
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Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07-09 Batch: WG529767-1 WG529767-2

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	95		96		70-130
Toluene-d8	98		98		70-130
4-Bromofluorobenzene	101		103		70-130
Dibromofluoromethane	100		101		70-130

SEMIVOLATILES

Project Name: Not Specified**Lab Number:** L1206522**Project Number:** Not Specified**Report Date:** 04/23/12**SAMPLE RESULTS**

Lab ID: L1206522-01
 Client ID: B-1 (0-2')
 Sample Location: 62N 9TH ST, BKLN, NY
 Matrix: Soil
 Analytical Method: 1,8270C
 Analytical Date: 04/19/12 02:57
 Analyst: RC
 Percent Solids: 97%

Date Collected: 04/12/12 13:20
 Date Received: 04/13/12
 Field Prep: Not Specified
 Extraction Method: EPA 3546
 Extraction Date: 04/17/12 18:07

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	130	36.	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	49.	1
Hexachlorobenzene	ND		ug/kg	100	26.	1
Bis(2-chloroethyl)ether	ND		ug/kg	150	32.	1
2-Chloronaphthalene	ND		ug/kg	170	50.	1
1,2-Dichlorobenzene	ND		ug/kg	170	49.	1
1,3-Dichlorobenzene	ND		ug/kg	170	52.	1
1,4-Dichlorobenzene	ND		ug/kg	170	48.	1
3,3'-Dichlorobenzidine	ND		ug/kg	170	60.	1
2,4-Dinitrotoluene	ND		ug/kg	170	50.	1
2,6-Dinitrotoluene	ND		ug/kg	170	55.	1
Fluoranthene	ND		ug/kg	100	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	170	30.	1
4-Bromophenyl phenyl ether	ND		ug/kg	170	35.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	47.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	180	42.	1
Hexachlorobutadiene	ND		ug/kg	170	45.	1
Hexachlorocyclopentadiene	ND		ug/kg	480	130	1
Hexachloroethane	ND		ug/kg	130	24.	1
Isophorone	ND		ug/kg	150	40.	1
Naphthalene	ND		ug/kg	170	53.	1
Nitrobenzene	ND		ug/kg	150	49.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	42.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	170	47.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	170	35.	1
Butyl benzyl phthalate	ND		ug/kg	170	47.	1
Di-n-butylphthalate	ND		ug/kg	170	28.	1
Di-n-octylphthalate	ND		ug/kg	170	45.	1
Diethyl phthalate	ND		ug/kg	170	29.	1
Dimethyl phthalate	ND		ug/kg	170	28.	1
Benzo(a)anthracene	ND		ug/kg	100	33.	1

Project Name: Not Specified

Lab Number: L1206522

Project Number: Not Specified

Report Date: 04/23/12

SAMPLE RESULTS

Lab ID: L1206522-01
 Client ID: B-1 (0-2')
 Sample Location: 62N 9TH ST, BKLN, NY

Date Collected: 04/12/12 13:20
 Date Received: 04/13/12
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	ND		ug/kg	130	40.	1
Benzo(b)fluoranthene	ND		ug/kg	100	30.	1
Benzo(k)fluoranthene	ND		ug/kg	100	26.	1
Chrysene	ND		ug/kg	100	26.	1
Acenaphthylene	ND		ug/kg	130	43.	1
Anthracene	ND		ug/kg	100	23.	1
Benzo(ghi)perylene	ND		ug/kg	130	42.	1
Fluorene	ND		ug/kg	170	31.	1
Phenanthrene	ND		ug/kg	100	28.	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	31.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	41.	1
Pyrene	ND		ug/kg	100	28.	1
Biphenyl	ND		ug/kg	380	120	1
4-Chloroaniline	ND		ug/kg	170	56.	1
2-Nitroaniline	ND		ug/kg	170	31.	1
3-Nitroaniline	ND		ug/kg	170	19.	1
4-Nitroaniline	ND		ug/kg	170	100	1
Dibenzofuran	ND		ug/kg	170	34.	1
2-Methylnaphthalene	ND		ug/kg	200	66.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	53.	1
Acetophenone	ND		ug/kg	170	54.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	31.	1
P-Chloro-M-Cresol	ND		ug/kg	170	34.	1
2-Chlorophenol	ND		ug/kg	170	52.	1
2,4-Dichlorophenol	ND		ug/kg	150	49.	1
2,4-Dimethylphenol	ND		ug/kg	170	69.	1
2-Nitrophenol	ND		ug/kg	360	120	1
4-Nitrophenol	ND		ug/kg	230	71.	1
2,4-Dinitrophenol	ND		ug/kg	800	260	1
4,6-Dinitro-o-cresol	ND		ug/kg	440	160	1
Pentachlorophenol	ND		ug/kg	130	40.	1
Phenol	ND		ug/kg	170	53.	1
2-Methylphenol	ND		ug/kg	170	41.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	72.	1
2,4,5-Trichlorophenol	ND		ug/kg	170	39.	1
Benzoic Acid	ND		ug/kg	540	140	1
Benzyl Alcohol	ND		ug/kg	170	39.	1
Carbazole	ND		ug/kg	170	27.	1

Project Name: Not Specified**Lab Number:** L1206522**Project Number:** Not Specified**Report Date:** 04/23/12**SAMPLE RESULTS**

Lab ID: L1206522-01

Date Collected: 04/12/12 13:20

Client ID: B-1 (0-2')

Date Received: 04/13/12

Sample Location: 62N 9TH ST, BKLN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	65		25-120
Phenol-d6	70		10-120
Nitrobenzene-d5	64		23-120
2-Fluorobiphenyl	73		30-120
2,4,6-Tribromophenol	76		0-136
4-Terphenyl-d14	87		18-120

Project Name: Not Specified**Lab Number:** L1206522**Project Number:** Not Specified**Report Date:** 04/23/12**SAMPLE RESULTS**

Lab ID: L1206522-02
 Client ID: B-1 (6-8')
 Sample Location: 62N 9TH ST, BKLN, NY
 Matrix: Soil
 Analytical Method: 1,8270C
 Analytical Date: 04/19/12 03:22
 Analyst: RC
 Percent Solids: 97%

Date Collected: 04/12/12 14:30
 Date Received: 04/13/12
 Field Prep: Not Specified
 Extraction Method: EPA 3546
 Extraction Date: 04/17/12 18:07

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	37.	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	50.	1
Hexachlorobenzene	ND		ug/kg	100	27.	1
Bis(2-chloroethyl)ether	ND		ug/kg	150	32.	1
2-Chloronaphthalene	ND		ug/kg	170	51.	1
1,2-Dichlorobenzene	ND		ug/kg	170	50.	1
1,3-Dichlorobenzene	ND		ug/kg	170	53.	1
1,4-Dichlorobenzene	ND		ug/kg	170	48.	1
3,3'-Dichlorobenzidine	ND		ug/kg	170	62.	1
2,4-Dinitrotoluene	ND		ug/kg	170	51.	1
2,6-Dinitrotoluene	ND		ug/kg	170	56.	1
Fluoranthene	ND		ug/kg	100	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	170	30.	1
4-Bromophenyl phenyl ether	ND		ug/kg	170	35.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	48.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	180	43.	1
Hexachlorobutadiene	ND		ug/kg	170	46.	1
Hexachlorocyclopentadiene	ND		ug/kg	490	140	1
Hexachloroethane	ND		ug/kg	140	25.	1
Isophorone	ND		ug/kg	150	41.	1
Naphthalene	ND		ug/kg	170	54.	1
Nitrobenzene	ND		ug/kg	150	50.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	140	43.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	170	48.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	170	35.	1
Butyl benzyl phthalate	ND		ug/kg	170	48.	1
Di-n-butylphthalate	ND		ug/kg	170	29.	1
Di-n-octylphthalate	ND		ug/kg	170	46.	1
Diethyl phthalate	ND		ug/kg	170	30.	1
Dimethyl phthalate	ND		ug/kg	170	28.	1
Benzo(a)anthracene	ND		ug/kg	100	34.	1

Project Name: Not Specified

Lab Number: L1206522

Project Number: Not Specified

Report Date: 04/23/12

SAMPLE RESULTS

Lab ID: L1206522-02
 Client ID: B-1 (6-8')
 Sample Location: 62N 9TH ST, BKLN, NY

Date Collected: 04/12/12 14:30
 Date Received: 04/13/12
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	ND		ug/kg	140	41.	1
Benzo(b)fluoranthene	ND		ug/kg	100	30.	1
Benzo(k)fluoranthene	ND		ug/kg	100	26.	1
Chrysene	ND		ug/kg	100	27.	1
Acenaphthylene	ND		ug/kg	140	44.	1
Anthracene	ND		ug/kg	100	24.	1
Benzo(ghi)perylene	ND		ug/kg	140	43.	1
Fluorene	ND		ug/kg	170	31.	1
Phenanthrene	ND		ug/kg	100	28.	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	32.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	140	42.	1
Pyrene	ND		ug/kg	100	28.	1
Biphenyl	ND		ug/kg	390	120	1
4-Chloroaniline	ND		ug/kg	170	57.	1
2-Nitroaniline	ND		ug/kg	170	31.	1
3-Nitroaniline	ND		ug/kg	170	19.	1
4-Nitroaniline	ND		ug/kg	170	100	1
Dibenzofuran	ND		ug/kg	170	35.	1
2-Methylnaphthalene	ND		ug/kg	200	67.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	54.	1
Acetophenone	ND		ug/kg	170	55.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	31.	1
P-Chloro-M-Cresol	ND		ug/kg	170	35.	1
2-Chlorophenol	ND		ug/kg	170	53.	1
2,4-Dichlorophenol	ND		ug/kg	150	50.	1
2,4-Dimethylphenol	ND		ug/kg	170	70.	1
2-Nitrophenol	ND		ug/kg	370	120	1
4-Nitrophenol	ND		ug/kg	240	73.	1
2,4-Dinitrophenol	ND		ug/kg	820	260	1
4,6-Dinitro-o-cresol	ND		ug/kg	440	160	1
Pentachlorophenol	ND		ug/kg	140	40.	1
Phenol	ND		ug/kg	170	54.	1
2-Methylphenol	ND		ug/kg	170	42.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	74.	1
2,4,5-Trichlorophenol	ND		ug/kg	170	40.	1
Benzoic Acid	ND		ug/kg	550	140	1
Benzyl Alcohol	ND		ug/kg	170	40.	1
Carbazole	ND		ug/kg	170	27.	1

Project Name: Not Specified**Lab Number:** L1206522**Project Number:** Not Specified**Report Date:** 04/23/12**SAMPLE RESULTS**

Lab ID: L1206522-02

Date Collected: 04/12/12 14:30

Client ID: B-1 (6-8')

Date Received: 04/13/12

Sample Location: 62N 9TH ST, BKLN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	64		25-120
Phenol-d6	69		10-120
Nitrobenzene-d5	66		23-120
2-Fluorobiphenyl	71		30-120
2,4,6-Tribromophenol	78		0-136
4-Terphenyl-d14	89		18-120

Project Name: Not Specified**Lab Number:** L1206522**Project Number:** Not Specified**Report Date:** 04/23/12**SAMPLE RESULTS**

Lab ID: L1206522-03
 Client ID: B-2 (0-2')
 Sample Location: 62N 9TH ST, BKLN, NY
 Matrix: Soil
 Analytical Method: 1,8270C
 Analytical Date: 04/19/12 03:48
 Analyst: RC
 Percent Solids: 94%

Date Collected: 04/12/12 12:00
 Date Received: 04/13/12
 Field Prep: Not Specified
 Extraction Method: EPA 3546
 Extraction Date: 04/17/12 18:07

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	37.	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	50.	1
Hexachlorobenzene	ND		ug/kg	100	27.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	33.	1
2-Chloronaphthalene	ND		ug/kg	170	52.	1
1,2-Dichlorobenzene	ND		ug/kg	170	51.	1
1,3-Dichlorobenzene	ND		ug/kg	170	53.	1
1,4-Dichlorobenzene	ND		ug/kg	170	49.	1
3,3'-Dichlorobenzidine	ND		ug/kg	170	62.	1
2,4-Dinitrotoluene	ND		ug/kg	170	52.	1
2,6-Dinitrotoluene	ND		ug/kg	170	57.	1
Fluoranthene	220		ug/kg	100	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	170	30.	1
4-Bromophenyl phenyl ether	ND		ug/kg	170	36.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	49.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	43.	1
Hexachlorobutadiene	ND		ug/kg	170	46.	1
Hexachlorocyclopentadiene	ND		ug/kg	490	140	1
Hexachloroethane	ND		ug/kg	140	25.	1
Isophorone	ND		ug/kg	160	41.	1
Naphthalene	ND		ug/kg	170	55.	1
Nitrobenzene	ND		ug/kg	160	50.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	140	43.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	170	48.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	170	36.	1
Butyl benzyl phthalate	ND		ug/kg	170	48.	1
Di-n-butylphthalate	ND		ug/kg	170	29.	1
Di-n-octylphthalate	ND		ug/kg	170	46.	1
Diethyl phthalate	ND		ug/kg	170	30.	1
Dimethyl phthalate	ND		ug/kg	170	28.	1
Benzo(a)anthracene	85	J	ug/kg	100	34.	1

Project Name: Not Specified

Lab Number: L1206522

Project Number: Not Specified

Report Date: 04/23/12

SAMPLE RESULTS

Lab ID: L1206522-03
 Client ID: B-2 (0-2')
 Sample Location: 62N 9TH ST, BKLN, NY

Date Collected: 04/12/12 12:00
 Date Received: 04/13/12
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	76	J	ug/kg	140	41.	1
Benzo(b)fluoranthene	96	J	ug/kg	100	30.	1
Benzo(k)fluoranthene	39	J	ug/kg	100	26.	1
Chrysene	90	J	ug/kg	100	27.	1
Acenaphthylene	ND		ug/kg	140	45.	1
Anthracene	38	J	ug/kg	100	24.	1
Benzo(ghi)perylene	45	J	ug/kg	140	44.	1
Fluorene	ND		ug/kg	170	32.	1
Phenanthrene	180		ug/kg	100	29.	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	32.	1
Indeno(1,2,3-cd)Pyrene	48	J	ug/kg	140	42.	1
Pyrene	180		ug/kg	100	28.	1
Biphenyl	ND		ug/kg	390	120	1
4-Chloroaniline	ND		ug/kg	170	58.	1
2-Nitroaniline	ND		ug/kg	170	32.	1
3-Nitroaniline	ND		ug/kg	170	19.	1
4-Nitroaniline	ND		ug/kg	170	100	1
Dibenzofuran	ND		ug/kg	170	35.	1
2-Methylnaphthalene	ND		ug/kg	210	68.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	55.	1
Acetophenone	ND		ug/kg	170	55.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	32.	1
P-Chloro-M-Cresol	ND		ug/kg	170	35.	1
2-Chlorophenol	ND		ug/kg	170	54.	1
2,4-Dichlorophenol	ND		ug/kg	160	50.	1
2,4-Dimethylphenol	ND		ug/kg	170	71.	1
2-Nitrophenol	ND		ug/kg	370	120	1
4-Nitrophenol	ND		ug/kg	240	73.	1
2,4-Dinitrophenol	ND		ug/kg	830	270	1
4,6-Dinitro-o-cresol	ND		ug/kg	450	160	1
Pentachlorophenol	ND		ug/kg	140	41.	1
Phenol	ND		ug/kg	170	54.	1
2-Methylphenol	ND		ug/kg	170	42.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	74.	1
2,4,5-Trichlorophenol	ND		ug/kg	170	40.	1
Benzoic Acid	ND		ug/kg	560	140	1
Benzyl Alcohol	ND		ug/kg	170	40.	1
Carbazole	ND		ug/kg	170	28.	1

Project Name: Not Specified**Lab Number:** L1206522**Project Number:** Not Specified**Report Date:** 04/23/12**SAMPLE RESULTS**

Lab ID: L1206522-03

Date Collected: 04/12/12 12:00

Client ID: B-2 (0-2')

Date Received: 04/13/12

Sample Location: 62N 9TH ST, BKLN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	31		25-120
Phenol-d6	62		10-120
Nitrobenzene-d5	65		23-120
2-Fluorobiphenyl	69		30-120
2,4,6-Tribromophenol	14		0-136
4-Terphenyl-d14	90		18-120

Project Name: Not Specified**Lab Number:** L1206522**Project Number:** Not Specified**Report Date:** 04/23/12**SAMPLE RESULTS**

Lab ID: L1206522-04
Client ID: B-2 (8-10')
Sample Location: 62N 9TH ST, BKLN, NY
Matrix: Soil
Analytical Method: 1,8270C
Analytical Date: 04/19/12 04:14
Analyst: RC
Percent Solids: 85%

Date Collected: 04/12/12 12:20
Date Received: 04/13/12
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 04/17/12 18:07

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	42.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	56.	1
Hexachlorobenzene	ND		ug/kg	120	30.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	36.	1
2-Chloronaphthalene	ND		ug/kg	190	58.	1
1,2-Dichlorobenzene	ND		ug/kg	190	57.	1
1,3-Dichlorobenzene	ND		ug/kg	190	60.	1
1,4-Dichlorobenzene	ND		ug/kg	190	55.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	70.	1
2,4-Dinitrotoluene	ND		ug/kg	190	58.	1
2,6-Dinitrotoluene	ND		ug/kg	190	63.	1
Fluoranthene	ND		ug/kg	120	25.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	34.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	40.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	54.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	48.	1
Hexachlorobutadiene	ND		ug/kg	190	51.	1
Hexachlorocyclopentadiene	ND		ug/kg	550	150	1
Hexachloroethane	ND		ug/kg	150	28.	1
Isophorone	ND		ug/kg	170	46.	1
Naphthalene	ND		ug/kg	190	61.	1
Nitrobenzene	ND		ug/kg	170	56.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	150	48.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	54.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	190	40.	1
Butyl benzyl phthalate	ND		ug/kg	190	54.	1
Di-n-butylphthalate	ND		ug/kg	190	33.	1
Di-n-octylphthalate	ND		ug/kg	190	52.	1
Diethyl phthalate	ND		ug/kg	190	33.	1
Dimethyl phthalate	ND		ug/kg	190	32.	1
Benzo(a)anthracene	ND		ug/kg	120	38.	1

Project Name: Not Specified

Lab Number: L1206522

Project Number: Not Specified

Report Date: 04/23/12

SAMPLE RESULTS

Lab ID: L1206522-04
 Client ID: B-2 (8-10')
 Sample Location: 62N 9TH ST, BKLN, NY

Date Collected: 04/12/12 12:20
 Date Received: 04/13/12
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	ND		ug/kg	150	46.	1
Benzo(b)fluoranthene	ND		ug/kg	120	34.	1
Benzo(k)fluoranthene	ND		ug/kg	120	30.	1
Chrysene	ND		ug/kg	120	30.	1
Acenaphthylene	ND		ug/kg	150	50.	1
Anthracene	ND		ug/kg	120	27.	1
Benzo(ghi)perylene	ND		ug/kg	150	49.	1
Fluorene	ND		ug/kg	190	35.	1
Phenanthrene	ND		ug/kg	120	32.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	36.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	150	47.	1
Pyrene	ND		ug/kg	120	32.	1
Biphenyl	ND		ug/kg	440	130	1
4-Chloroaniline	ND		ug/kg	190	65.	1
2-Nitroaniline	ND		ug/kg	190	35.	1
3-Nitroaniline	ND		ug/kg	190	22.	1
4-Nitroaniline	ND		ug/kg	190	120	1
Dibenzofuran	ND		ug/kg	190	40.	1
2-Methylnaphthalene	ND		ug/kg	230	76.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	61.	1
Acetophenone	ND		ug/kg	190	62.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	35.	1
P-Chloro-M-Cresol	ND		ug/kg	190	39.	1
2-Chlorophenol	ND		ug/kg	190	60.	1
2,4-Dichlorophenol	ND		ug/kg	170	56.	1
2,4-Dimethylphenol	ND		ug/kg	190	80.	1
2-Nitrophenol	ND		ug/kg	420	140	1
4-Nitrophenol	ND		ug/kg	270	82.	1
2,4-Dinitrophenol	ND		ug/kg	920	300	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	180	1
Pentachlorophenol	ND		ug/kg	150	46.	1
Phenol	ND		ug/kg	190	60.	1
2-Methylphenol	ND		ug/kg	190	48.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	83.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	45.	1
Benzoic Acid	ND		ug/kg	620	160	1
Benzyl Alcohol	ND		ug/kg	190	45.	1
Carbazole	ND		ug/kg	190	31.	1

Project Name: Not Specified**Lab Number:** L1206522**Project Number:** Not Specified**Report Date:** 04/23/12**SAMPLE RESULTS**

Lab ID: L1206522-04
 Client ID: B-2 (8-10')
 Sample Location: 62N 9TH ST, BKLN, NY

Date Collected: 04/12/12 12:20
 Date Received: 04/13/12
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	64		25-120
Phenol-d6	67		10-120
Nitrobenzene-d5	53		23-120
2-Fluorobiphenyl	65		30-120
2,4,6-Tribromophenol	72		0-136
4-Terphenyl-d14	81		18-120

Project Name: Not Specified**Lab Number:** L1206522**Project Number:** Not Specified**Report Date:** 04/23/12**SAMPLE RESULTS**

Lab ID: L1206522-05
 Client ID: B-3 (0-2')
 Sample Location: 62N 9TH ST, BKLN, NY
 Matrix: Soil
 Analytical Method: 1,8270C
 Analytical Date: 04/19/12 04:39
 Analyst: RC
 Percent Solids: 86%

Date Collected: 04/12/12 11:30
 Date Received: 04/13/12
 Field Prep: Not Specified
 Extraction Method: EPA 3546
 Extraction Date: 04/17/12 18:07

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	42.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	56.	1
Hexachlorobenzene	ND		ug/kg	120	30.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	36.	1
2-Chloronaphthalene	ND		ug/kg	190	58.	1
1,2-Dichlorobenzene	ND		ug/kg	190	57.	1
1,3-Dichlorobenzene	ND		ug/kg	190	60.	1
1,4-Dichlorobenzene	ND		ug/kg	190	55.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	70.	1
2,4-Dinitrotoluene	ND		ug/kg	190	58.	1
2,6-Dinitrotoluene	ND		ug/kg	190	63.	1
Fluoranthene	ND		ug/kg	120	25.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	34.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	40.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	54.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	48.	1
Hexachlorobutadiene	ND		ug/kg	190	51.	1
Hexachlorocyclopentadiene	ND		ug/kg	550	150	1
Hexachloroethane	ND		ug/kg	150	28.	1
Isophorone	ND		ug/kg	170	46.	1
Naphthalene	ND		ug/kg	190	61.	1
Nitrobenzene	ND		ug/kg	170	56.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	150	48.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	54.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	190	40.	1
Butyl benzyl phthalate	ND		ug/kg	190	54.	1
Di-n-butylphthalate	ND		ug/kg	190	33.	1
Di-n-octylphthalate	ND		ug/kg	190	52.	1
Diethyl phthalate	ND		ug/kg	190	33.	1
Dimethyl phthalate	ND		ug/kg	190	32.	1
Benzo(a)anthracene	ND		ug/kg	120	38.	1

Project Name: Not Specified

Lab Number: L1206522

Project Number: Not Specified

Report Date: 04/23/12

SAMPLE RESULTS

Lab ID: L1206522-05
 Client ID: B-3 (0-2')
 Sample Location: 62N 9TH ST, BKLN, NY

Date Collected: 04/12/12 11:30
 Date Received: 04/13/12
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	ND		ug/kg	150	46.	1
Benzo(b)fluoranthene	ND		ug/kg	120	34.	1
Benzo(k)fluoranthene	ND		ug/kg	120	30.	1
Chrysene	ND		ug/kg	120	30.	1
Acenaphthylene	ND		ug/kg	150	50.	1
Anthracene	ND		ug/kg	120	27.	1
Benzo(ghi)perylene	ND		ug/kg	150	49.	1
Fluorene	ND		ug/kg	190	35.	1
Phenanthrene	ND		ug/kg	120	32.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	36.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	150	47.	1
Pyrene	ND		ug/kg	120	32.	1
Biphenyl	ND		ug/kg	440	130	1
4-Chloroaniline	ND		ug/kg	190	65.	1
2-Nitroaniline	ND		ug/kg	190	35.	1
3-Nitroaniline	ND		ug/kg	190	22.	1
4-Nitroaniline	ND		ug/kg	190	120	1
Dibenzofuran	ND		ug/kg	190	40.	1
2-Methylnaphthalene	ND		ug/kg	230	76.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	61.	1
Acetophenone	ND		ug/kg	190	62.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	35.	1
P-Chloro-M-Cresol	ND		ug/kg	190	39.	1
2-Chlorophenol	ND		ug/kg	190	60.	1
2,4-Dichlorophenol	ND		ug/kg	170	56.	1
2,4-Dimethylphenol	ND		ug/kg	190	80.	1
2-Nitrophenol	ND		ug/kg	420	140	1
4-Nitrophenol	ND		ug/kg	270	82.	1
2,4-Dinitrophenol	ND		ug/kg	920	300	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	180	1
Pentachlorophenol	ND		ug/kg	150	46.	1
Phenol	ND		ug/kg	190	60.	1
2-Methylphenol	ND		ug/kg	190	48.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	83.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	45.	1
Benzoic Acid	ND		ug/kg	620	160	1
Benzyl Alcohol	ND		ug/kg	190	45.	1
Carbazole	ND		ug/kg	190	31.	1

Project Name: Not Specified**Lab Number:** L1206522**Project Number:** Not Specified**Report Date:** 04/23/12**SAMPLE RESULTS**

Lab ID: L1206522-05

Date Collected: 04/12/12 11:30

Client ID: B-3 (0-2')

Date Received: 04/13/12

Sample Location: 62N 9TH ST, BKLN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	58		25-120
Phenol-d6	61		10-120
Nitrobenzene-d5	54		23-120
2-Fluorobiphenyl	62		30-120
2,4,6-Tribromophenol	72		0-136
4-Terphenyl-d14	79		18-120

Project Name: Not Specified**Lab Number:** L1206522**Project Number:** Not Specified**Report Date:** 04/23/12**SAMPLE RESULTS**

Lab ID: L1206522-06
Client ID: B-3 (8-10')
Sample Location: 62N 9TH ST, BKLN, NY
Matrix: Soil
Analytical Method: 1,8270C
Analytical Date: 04/19/12 05:05
Analyst: RC
Percent Solids: 85%

Date Collected: 04/12/12 10:50
Date Received: 04/13/12
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 04/17/12 18:07

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	42.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	56.	1
Hexachlorobenzene	ND		ug/kg	120	30.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	37.	1
2-Chloronaphthalene	ND		ug/kg	190	58.	1
1,2-Dichlorobenzene	ND		ug/kg	190	57.	1
1,3-Dichlorobenzene	ND		ug/kg	190	60.	1
1,4-Dichlorobenzene	ND		ug/kg	190	55.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	70.	1
2,4-Dinitrotoluene	ND		ug/kg	190	58.	1
2,6-Dinitrotoluene	ND		ug/kg	190	64.	1
Fluoranthene	ND		ug/kg	120	25.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	34.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	40.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	55.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	49.	1
Hexachlorobutadiene	ND		ug/kg	190	52.	1
Hexachlorocyclopentadiene	ND		ug/kg	550	150	1
Hexachloroethane	ND		ug/kg	150	28.	1
Isophorone	ND		ug/kg	170	46.	1
Naphthalene	ND		ug/kg	190	61.	1
Nitrobenzene	ND		ug/kg	170	56.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	150	48.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	54.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	190	40.	1
Butyl benzyl phthalate	ND		ug/kg	190	54.	1
Di-n-butylphthalate	ND		ug/kg	190	33.	1
Di-n-octylphthalate	ND		ug/kg	190	52.	1
Diethyl phthalate	ND		ug/kg	190	34.	1
Dimethyl phthalate	ND		ug/kg	190	32.	1
Benzo(a)anthracene	ND		ug/kg	120	38.	1

Project Name: Not Specified

Lab Number: L1206522

Project Number: Not Specified

Report Date: 04/23/12

SAMPLE RESULTS

Lab ID: L1206522-06
 Client ID: B-3 (8-10')
 Sample Location: 62N 9TH ST, BKLN, NY

Date Collected: 04/12/12 10:50
 Date Received: 04/13/12
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	ND		ug/kg	150	46.	1
Benzo(b)fluoranthene	ND		ug/kg	120	34.	1
Benzo(k)fluoranthene	ND		ug/kg	120	30.	1
Chrysene	ND		ug/kg	120	30.	1
Acenaphthylene	ND		ug/kg	150	50.	1
Anthracene	ND		ug/kg	120	27.	1
Benzo(ghi)perylene	ND		ug/kg	150	49.	1
Fluorene	ND		ug/kg	190	36.	1
Phenanthrene	ND		ug/kg	120	32.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	36.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	150	47.	1
Pyrene	ND		ug/kg	120	32.	1
Biphenyl	ND		ug/kg	440	140	1
4-Chloroaniline	ND		ug/kg	190	65.	1
2-Nitroaniline	ND		ug/kg	190	36.	1
3-Nitroaniline	ND		ug/kg	190	22.	1
4-Nitroaniline	ND		ug/kg	190	120	1
Dibenzofuran	ND		ug/kg	190	40.	1
2-Methylnaphthalene	ND		ug/kg	230	76.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	62.	1
Acetophenone	ND		ug/kg	190	62.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	35.	1
P-Chloro-M-Cresol	ND		ug/kg	190	40.	1
2-Chlorophenol	ND		ug/kg	190	60.	1
2,4-Dichlorophenol	ND		ug/kg	170	56.	1
2,4-Dimethylphenol	ND		ug/kg	190	80.	1
2-Nitrophenol	ND		ug/kg	420	140	1
4-Nitrophenol	ND		ug/kg	270	82.	1
2,4-Dinitrophenol	ND		ug/kg	930	300	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	180	1
Pentachlorophenol	ND		ug/kg	150	46.	1
Phenol	ND		ug/kg	190	61.	1
2-Methylphenol	ND		ug/kg	190	48.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	84.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	45.	1
Benzoic Acid	ND		ug/kg	630	160	1
Benzyl Alcohol	ND		ug/kg	190	45.	1
Carbazole	ND		ug/kg	190	31.	1

Project Name: Not Specified**Lab Number:** L1206522**Project Number:** Not Specified**Report Date:** 04/23/12**SAMPLE RESULTS**

Lab ID: L1206522-06

Date Collected: 04/12/12 10:50

Client ID: B-3 (8-10')

Date Received: 04/13/12

Sample Location: 62N 9TH ST, BKLN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	61		25-120
Phenol-d6	66		10-120
Nitrobenzene-d5	63		23-120
2-Fluorobiphenyl	69		30-120
2,4,6-Tribromophenol	61		0-136
4-Terphenyl-d14	82		18-120

Project Name: Not Specified**Lab Number:** L1206522**Project Number:** Not Specified**Report Date:** 04/23/12**SAMPLE RESULTS**

Lab ID: L1206522-07
 Client ID: GW-1
 Sample Location: 62N 9TH ST, BKLN, NY
 Matrix: Water
 Analytical Method: 1,8270C
 Analytical Date: 04/19/12 10:23
 Analyst: JC

Date Collected: 04/12/12 16:30
 Date Received: 04/13/12
 Field Prep: Not Specified
 Extraction Method: EPA 3510C
 Extraction Date: 04/17/12 11:02

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.20	0.06	1
2-Chloronaphthalene	ND		ug/l	0.20	0.07	1
Fluoranthene	ND		ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.07	1
Naphthalene	0.25	B	ug/l	0.20	0.06	1
Benzo(a)anthracene	ND		ug/l	0.20	0.06	1
Benzo(a)pyrene	ND		ug/l	0.20	0.07	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.07	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07	1
Chrysene	ND		ug/l	0.20	0.05	1
Acenaphthylene	ND		ug/l	0.20	0.05	1
Anthracene	ND		ug/l	0.20	0.06	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.07	1
Fluorene	ND		ug/l	0.20	0.06	1
Phenanthrene	0.13	JB	ug/l	0.20	0.06	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.08	1
Pyrene	ND		ug/l	0.20	0.06	1
2-Methylnaphthalene	0.26	B	ug/l	0.20	0.06	1
Pentachlorophenol	ND		ug/l	0.80	0.19	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.07	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	43		21-120
Phenol-d6	30		10-120
Nitrobenzene-d5	79		23-120
2-Fluorobiphenyl	73		15-120
2,4,6-Tribromophenol	87		10-120
4-Terphenyl-d14	97		41-149

Project Name: Not Specified

Lab Number: L1206522

Project Number: Not Specified

Report Date: 04/23/12

SAMPLE RESULTS

Lab ID: L1206522-07
 Client ID: GW-1
 Sample Location: 62N 9TH ST, BKLN, NY
 Matrix: Water
 Analytical Method: 1,8270C
 Analytical Date: 04/19/12 10:39
 Analyst: RC

Date Collected: 04/12/12 16:30
 Date Received: 04/13/12
 Field Prep: Not Specified
 Extraction Method: EPA 3510C
 Extraction Date: 04/17/12 10:54

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.67	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.55	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.55	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.55	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.85	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.45	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.46	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.61	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.67	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.50	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.40	1
Hexachlorocyclopentadiene	ND		ug/l	20	2.1	1
Isophorone	ND		ug/l	5.0	0.35	1
Nitrobenzene	ND		ug/l	2.0	0.50	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.70	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.39	1
Bis(2-Ethylhexyl)phthalate	4.9	B	ug/l	3.0	1.4	1
Butyl benzyl phthalate	ND		ug/l	5.0	0.46	1
Di-n-butylphthalate	0.55	J	ug/l	5.0	0.54	1
Di-n-octylphthalate	ND		ug/l	5.0	0.53	1
Diethyl phthalate	ND		ug/l	5.0	0.45	1
Dimethyl phthalate	ND		ug/l	5.0	0.45	1
Biphenyl	ND		ug/l	2.0	0.50	1
4-Chloroaniline	ND		ug/l	5.0	0.83	1
2-Nitroaniline	ND		ug/l	5.0	0.40	1
3-Nitroaniline	ND		ug/l	5.0	0.59	1
4-Nitroaniline	ND		ug/l	5.0	0.55	1
Dibenzofuran	ND		ug/l	2.0	0.47	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.65	1
Acetophenone	ND		ug/l	5.0	0.55	1

Project Name: Not Specified

Lab Number: L1206522

Project Number: Not Specified

Report Date: 04/23/12

SAMPLE RESULTS

Lab ID: L1206522-07
 Client ID: GW-1
 Sample Location: 62N 9TH ST, BKLN, NY

Date Collected: 04/12/12 16:30
 Date Received: 04/13/12
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.45	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.50	1
2-Chlorophenol	ND		ug/l	2.0	0.34	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.43	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.2	1
2-Nitrophenol	ND		ug/l	10	0.48	1
4-Nitrophenol	ND		ug/l	10	1.2	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	0.59	1
Phenol	ND		ug/l	5.0	0.26	1
2-Methylphenol	ND		ug/l	5.0	0.53	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.47	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.45	1
Benzoic Acid	3.4	J	ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.47	1
Carbazole	ND		ug/l	2.0	0.53	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	42		21-120
Phenol-d6	29		10-120
Nitrobenzene-d5	64		23-120
2-Fluorobiphenyl	72		15-120
2,4,6-Tribromophenol	84		10-120
4-Terphenyl-d14	105		41-149

Project Name: Not Specified

Lab Number: L1206522

Project Number: Not Specified

Report Date: 04/23/12

SAMPLE RESULTS

Lab ID: L1206522-07 RE
 Client ID: GW-1
 Sample Location: 62N 9TH ST, BKLN, NY
 Matrix: Water
 Analytical Method: 1,8270C
 Analytical Date: 04/20/12 21:01
 Analyst: JC

Date Collected: 04/12/12 16:30
 Date Received: 04/13/12
 Field Prep: Not Specified
 Extraction Method: EPA 3510C
 Extraction Date: 04/20/12 08:48

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.37	0.12	1
2-Chloronaphthalene	ND		ug/l	0.37	0.12	1
Fluoranthene	ND		ug/l	0.37	0.08	1
Hexachlorobutadiene	ND		ug/l	0.92	0.13	1
Naphthalene	0.12	J	ug/l	0.37	0.12	1
Benzo(a)anthracene	ND		ug/l	0.37	0.10	1
Benzo(a)pyrene	ND		ug/l	0.37	0.13	1
Benzo(b)fluoranthene	ND		ug/l	0.37	0.13	1
Benzo(k)fluoranthene	ND		ug/l	0.37	0.12	1
Chrysene	ND		ug/l	0.37	0.09	1
Acenaphthylene	ND		ug/l	0.37	0.09	1
Anthracene	ND		ug/l	0.37	0.12	1
Benzo(ghi)perylene	ND		ug/l	0.37	0.13	1
Fluorene	ND		ug/l	0.37	0.10	1
Phenanthrene	ND		ug/l	0.37	0.12	1
Dibenzo(a,h)anthracene	ND		ug/l	0.37	0.14	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.37	0.15	1
Pyrene	ND		ug/l	0.37	0.10	1
2-Methylnaphthalene	0.14	J	ug/l	0.37	0.11	1
Pentachlorophenol	ND		ug/l	1.5	0.35	1
Hexachlorobenzene	ND		ug/l	1.5	0.03	1
Hexachloroethane	ND		ug/l	1.5	0.12	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	69		21-120
Phenol-d6	57		10-120
Nitrobenzene-d5	99		23-120
2-Fluorobiphenyl	85		15-120
2,4,6-Tribromophenol	86		10-120
4-Terphenyl-d14	82		41-149

Project Name: Not Specified

Lab Number: L1206522

Project Number: Not Specified

Report Date: 04/23/12

SAMPLE RESULTS

Lab ID: L1206522-08
 Client ID: GW-2
 Sample Location: 62N 9TH ST, BKLN, NY
 Matrix: Water
 Analytical Method: 1,8270C
 Analytical Date: 04/19/12 11:04
 Analyst: RC

Date Collected: 04/12/12 11:10
 Date Received: 04/13/12
 Field Prep: Not Specified
 Extraction Method: EPA 3510C
 Extraction Date: 04/17/12 10:54

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	4.5	0.61	1
Bis(2-chloroethyl)ether	ND		ug/l	1.8	0.35	1
1,2-Dichlorobenzene	ND		ug/l	1.8	0.50	1
1,3-Dichlorobenzene	ND		ug/l	1.8	0.50	1
1,4-Dichlorobenzene	ND		ug/l	1.8	0.50	1
3,3'-Dichlorobenzidine	ND		ug/l	4.5	0.77	1
2,4-Dinitrotoluene	ND		ug/l	4.5	0.40	1
2,6-Dinitrotoluene	ND		ug/l	4.5	0.42	1
4-Chlorophenyl phenyl ether	ND		ug/l	1.8	0.56	1
4-Bromophenyl phenyl ether	ND		ug/l	1.8	0.61	1
Bis(2-chloroisopropyl)ether	ND		ug/l	1.8	0.46	1
Bis(2-chloroethoxy)methane	ND		ug/l	4.5	0.36	1
Hexachlorocyclopentadiene	ND		ug/l	18	1.9	1
Isophorone	ND		ug/l	4.5	0.32	1
Nitrobenzene	ND		ug/l	1.8	0.46	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	1.8	0.64	1
n-Nitrosodi-n-propylamine	ND		ug/l	4.5	0.36	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	2.7	1.3	1
Butyl benzyl phthalate	ND		ug/l	4.5	0.42	1
Di-n-butylphthalate	ND		ug/l	4.5	0.49	1
Di-n-octylphthalate	ND		ug/l	4.5	0.48	1
Diethyl phthalate	ND		ug/l	4.5	0.41	1
Dimethyl phthalate	ND		ug/l	4.5	0.41	1
Biphenyl	ND		ug/l	1.8	0.46	1
4-Chloroaniline	ND		ug/l	4.5	0.75	1
2-Nitroaniline	ND		ug/l	4.5	0.36	1
3-Nitroaniline	ND		ug/l	4.5	0.54	1
4-Nitroaniline	ND		ug/l	4.5	0.50	1
Dibenzofuran	ND		ug/l	1.8	0.43	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	9.1	0.59	1
Acetophenone	ND		ug/l	4.5	0.50	1

Project Name: Not Specified

Lab Number: L1206522

Project Number: Not Specified

Report Date: 04/23/12

SAMPLE RESULTS

Lab ID: L1206522-08
 Client ID: GW-2
 Sample Location: 62N 9TH ST, BKLN, NY

Date Collected: 04/12/12 11:10
 Date Received: 04/13/12
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,6-Trichlorophenol	ND		ug/l	4.5	0.41	1
P-Chloro-M-Cresol	ND		ug/l	1.8	0.45	1
2-Chlorophenol	ND		ug/l	1.8	0.31	1
2,4-Dichlorophenol	ND		ug/l	4.5	0.39	1
2,4-Dimethylphenol	ND		ug/l	4.5	1.1	1
2-Nitrophenol	ND		ug/l	9.1	0.43	1
4-Nitrophenol	ND		ug/l	9.1	1.1	1
2,4-Dinitrophenol	ND		ug/l	18	1.3	1
4,6-Dinitro-o-cresol	ND		ug/l	9.1	0.53	1
Phenol	ND		ug/l	4.5	0.24	1
2-Methylphenol	ND		ug/l	4.5	0.48	1
3-Methylphenol/4-Methylphenol	ND		ug/l	4.5	0.43	1
2,4,5-Trichlorophenol	ND		ug/l	4.5	0.41	1
Benzoic Acid	ND		ug/l	45	0.92	1
Benzyl Alcohol	ND		ug/l	1.8	0.43	1
Carbazole	ND		ug/l	1.8	0.48	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	38		21-120
Phenol-d6	27		10-120
Nitrobenzene-d5	59		23-120
2-Fluorobiphenyl	62		15-120
2,4,6-Tribromophenol	71		10-120
4-Terphenyl-d14	84		41-149

Project Name: Not Specified**Lab Number:** L1206522**Project Number:** Not Specified**Report Date:** 04/23/12**SAMPLE RESULTS**

Lab ID: L1206522-08
Client ID: GW-2
Sample Location: 62N 9TH ST, BKLN, NY
Matrix: Water
Analytical Method: 1,8270C
Analytical Date: 04/19/12 11:22
Analyst: JC

Date Collected: 04/12/12 11:10
Date Received: 04/13/12
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 04/17/12 11:02

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.18	0.06	1
2-Chloronaphthalene	ND		ug/l	0.18	0.06	1
Fluoranthene	ND		ug/l	0.18	0.04	1
Hexachlorobutadiene	ND		ug/l	0.45	0.06	1
Naphthalene	ND		ug/l	0.18	0.06	1
Benzo(a)anthracene	ND		ug/l	0.18	0.05	1
Benzo(a)pyrene	ND		ug/l	0.18	0.06	1
Benzo(b)fluoranthene	ND		ug/l	0.18	0.06	1
Benzo(k)fluoranthene	ND		ug/l	0.18	0.06	1
Chrysene	ND		ug/l	0.18	0.04	1
Acenaphthylene	ND		ug/l	0.18	0.05	1
Anthracene	ND		ug/l	0.18	0.06	1
Benzo(ghi)perylene	ND		ug/l	0.18	0.06	1
Fluorene	ND		ug/l	0.18	0.05	1
Phenanthrene	ND		ug/l	0.18	0.06	1
Dibenzo(a,h)anthracene	ND		ug/l	0.18	0.07	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.18	0.07	1
Pyrene	ND		ug/l	0.18	0.05	1
2-Methylnaphthalene	ND		ug/l	0.18	0.05	1
Pentachlorophenol	ND		ug/l	0.73	0.17	1
Hexachlorobenzene	ND		ug/l	0.73	0.01	1
Hexachloroethane	ND		ug/l	0.73	0.06	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	34		21-120
Phenol-d6	24		10-120
Nitrobenzene-d5	65		23-120
2-Fluorobiphenyl	54		15-120
2,4,6-Tribromophenol	67		10-120
4-Terphenyl-d14	71		41-149

Project Name: Not Specified

Lab Number: L1206522

Project Number: Not Specified

Report Date: 04/23/12

SAMPLE RESULTS

Lab ID: L1206522-09
 Client ID: FB-1
 Sample Location: 62N 9TH ST, BKLN, NY
 Matrix: Water
 Analytical Method: 1,8270C
 Analytical Date: 04/19/12 11:30
 Analyst: RC

Date Collected: 04/12/12 14:00
 Date Received: 04/13/12
 Field Prep: Not Specified
 Extraction Method: EPA 3510C
 Extraction Date: 04/17/12 10:54

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	4.5	0.60	1
Bis(2-chloroethyl)ether	ND		ug/l	1.8	0.35	1
1,2-Dichlorobenzene	ND		ug/l	1.8	0.49	1
1,3-Dichlorobenzene	ND		ug/l	1.8	0.50	1
1,4-Dichlorobenzene	ND		ug/l	1.8	0.50	1
3,3'-Dichlorobenzidine	ND		ug/l	4.5	0.77	1
2,4-Dinitrotoluene	ND		ug/l	4.5	0.40	1
2,6-Dinitrotoluene	ND		ug/l	4.5	0.41	1
4-Chlorophenyl phenyl ether	ND		ug/l	1.8	0.55	1
4-Bromophenyl phenyl ether	ND		ug/l	1.8	0.61	1
Bis(2-chloroisopropyl)ether	ND		ug/l	1.8	0.46	1
Bis(2-chloroethoxy)methane	ND		ug/l	4.5	0.36	1
Hexachlorocyclopentadiene	ND		ug/l	18	1.9	1
Isophorone	ND		ug/l	4.5	0.32	1
Nitrobenzene	ND		ug/l	1.8	0.46	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	1.8	0.63	1
n-Nitrosodi-n-propylamine	ND		ug/l	4.5	0.35	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	2.7	1.3	1
Butyl benzyl phthalate	ND		ug/l	4.5	0.41	1
Di-n-butylphthalate	ND		ug/l	4.5	0.49	1
Di-n-octylphthalate	ND		ug/l	4.5	0.48	1
Diethyl phthalate	ND		ug/l	4.5	0.41	1
Dimethyl phthalate	ND		ug/l	4.5	0.40	1
Biphenyl	ND		ug/l	1.8	0.45	1
4-Chloroaniline	ND		ug/l	4.5	0.75	1
2-Nitroaniline	ND		ug/l	4.5	0.36	1
3-Nitroaniline	ND		ug/l	4.5	0.53	1
4-Nitroaniline	ND		ug/l	4.5	0.50	1
Dibenzofuran	ND		ug/l	1.8	0.43	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	9.0	0.59	1
Acetophenone	ND		ug/l	4.5	0.50	1

Project Name: Not Specified

Lab Number: L1206522

Project Number: Not Specified

Report Date: 04/23/12

SAMPLE RESULTS

Lab ID: L1206522-09

Date Collected: 04/12/12 14:00

Client ID: FB-1

Date Received: 04/13/12

Sample Location: 62N 9TH ST, BKLN, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,6-Trichlorophenol	ND		ug/l	4.5	0.40	1
P-Chloro-M-Cresol	ND		ug/l	1.8	0.45	1
2-Chlorophenol	ND		ug/l	1.8	0.31	1
2,4-Dichlorophenol	ND		ug/l	4.5	0.39	1
2,4-Dimethylphenol	ND		ug/l	4.5	1.1	1
2-Nitrophenol	ND		ug/l	9.0	0.43	1
4-Nitrophenol	ND		ug/l	9.0	1.1	1
2,4-Dinitrophenol	ND		ug/l	18	1.3	1
4,6-Dinitro-o-cresol	ND		ug/l	9.0	0.53	1
Phenol	ND		ug/l	4.5	0.24	1
2-Methylphenol	ND		ug/l	4.5	0.48	1
3-Methylphenol/4-Methylphenol	ND		ug/l	4.5	0.42	1
2,4,5-Trichlorophenol	ND		ug/l	4.5	0.40	1
Benzoic Acid	ND		ug/l	45	0.91	1
Benzyl Alcohol	ND		ug/l	1.8	0.43	1
Carbazole	ND		ug/l	1.8	0.48	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	41		21-120
Phenol-d6	27		10-120
Nitrobenzene-d5	58		23-120
2-Fluorobiphenyl	64		15-120
2,4,6-Tribromophenol	66		10-120
4-Terphenyl-d14	90		41-149

Project Name: Not Specified

Lab Number: L1206522

Project Number: Not Specified

Report Date: 04/23/12

SAMPLE RESULTS

Lab ID: L1206522-09
 Client ID: FB-1
 Sample Location: 62N 9TH ST, BKLN, NY
 Matrix: Water
 Analytical Method: 1,8270C
 Analytical Date: 04/19/12 11:50
 Analyst: JC

Date Collected: 04/12/12 14:00
 Date Received: 04/13/12
 Field Prep: Not Specified
 Extraction Method: EPA 3510C
 Extraction Date: 04/17/12 11:02

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.18	0.06	1
2-Chloronaphthalene	ND		ug/l	0.18	0.06	1
Fluoranthene	ND		ug/l	0.18	0.04	1
Hexachlorobutadiene	ND		ug/l	0.45	0.06	1
Naphthalene	ND		ug/l	0.18	0.06	1
Benzo(a)anthracene	ND		ug/l	0.18	0.05	1
Benzo(a)pyrene	ND		ug/l	0.18	0.06	1
Benzo(b)fluoranthene	ND		ug/l	0.18	0.06	1
Benzo(k)fluoranthene	ND		ug/l	0.18	0.06	1
Chrysene	ND		ug/l	0.18	0.04	1
Acenaphthylene	ND		ug/l	0.18	0.05	1
Anthracene	ND		ug/l	0.18	0.06	1
Benzo(ghi)perylene	ND		ug/l	0.18	0.06	1
Fluorene	ND		ug/l	0.18	0.05	1
Phenanthrene	ND		ug/l	0.18	0.06	1
Dibenzo(a,h)anthracene	ND		ug/l	0.18	0.07	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.18	0.07	1
Pyrene	ND		ug/l	0.18	0.05	1
2-Methylnaphthalene	ND		ug/l	0.18	0.05	1
Pentachlorophenol	ND		ug/l	0.72	0.17	1
Hexachlorobenzene	ND		ug/l	0.72	0.01	1
Hexachloroethane	ND		ug/l	0.72	0.06	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	43		21-120
Phenol-d6	28		10-120
Nitrobenzene-d5	75		23-120
2-Fluorobiphenyl	63		15-120
2,4,6-Tribromophenol	80		10-120
4-Terphenyl-d14	91		41-149

Project Name: Not Specified

Lab Number: L1206522

Project Number: Not Specified

Report Date: 04/23/12

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270C
 Analytical Date: 04/19/12 11:11
 Analyst: RC

Extraction Method: EPA 3510C
 Extraction Date: 04/17/12 10:54

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 07-09 Batch: WG529679-1					
Acenaphthene	ND		ug/l	2.0	0.55
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.67
Hexachlorobenzene	ND		ug/l	2.0	0.65
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39
2-Chloronaphthalene	ND		ug/l	2.0	0.47
1,2-Dichlorobenzene	ND		ug/l	2.0	0.55
1,3-Dichlorobenzene	ND		ug/l	2.0	0.55
1,4-Dichlorobenzene	ND		ug/l	2.0	0.55
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.85
2,4-Dinitrotoluene	ND		ug/l	5.0	0.45
2,6-Dinitrotoluene	ND		ug/l	5.0	0.46
Fluoranthene	ND		ug/l	2.0	0.51
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.61
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.67
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.50
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.40
Hexachlorobutadiene	ND		ug/l	2.0	0.81
Hexachlorocyclopentadiene	ND		ug/l	20	2.1
Hexachloroethane	ND		ug/l	2.0	0.66
Isophorone	ND		ug/l	5.0	0.35
Naphthalene	ND		ug/l	2.0	0.72
Nitrobenzene	ND		ug/l	2.0	0.50
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.70
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.39
Bis(2-Ethylhexyl)phthalate	3.0		ug/l	3.0	1.4
Butyl benzyl phthalate	ND		ug/l	5.0	0.46
Di-n-butylphthalate	ND		ug/l	5.0	0.54
Di-n-octylphthalate	ND		ug/l	5.0	0.53
Diethyl phthalate	ND		ug/l	5.0	0.45
Dimethyl phthalate	ND		ug/l	5.0	0.45
Benzo(a)anthracene	ND		ug/l	2.0	0.82

Project Name: Not Specified

Lab Number: L1206522

Project Number: Not Specified

Report Date: 04/23/12

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270C
 Analytical Date: 04/19/12 11:11
 Analyst: RC

Extraction Method: EPA 3510C
 Extraction Date: 04/17/12 10:54

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 07-09 Batch: WG529679-1					
Benzo(a)pyrene	ND		ug/l	2.0	0.48
Benzo(b)fluoranthene	ND		ug/l	2.0	0.48
Benzo(k)fluoranthene	ND		ug/l	2.0	0.48
Chrysene	ND		ug/l	2.0	0.56
Acenaphthylene	ND		ug/l	2.0	0.50
Anthracene	ND		ug/l	2.0	0.47
Benzo(ghi)perylene	ND		ug/l	2.0	0.53
Fluorene	ND		ug/l	2.0	0.49
Phenanthrene	ND		ug/l	2.0	0.49
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.48
Indeno(1,2,3-cd)Pyrene	ND		ug/l	2.0	0.48
Pyrene	ND		ug/l	2.0	0.44
Biphenyl	ND		ug/l	2.0	0.50
4-Chloroaniline	ND		ug/l	5.0	0.83
2-Nitroaniline	ND		ug/l	5.0	0.40
3-Nitroaniline	ND		ug/l	5.0	0.59
4-Nitroaniline	ND		ug/l	5.0	0.55
Dibenzofuran	ND		ug/l	2.0	0.47
2-Methylnaphthalene	ND		ug/l	2.0	0.55
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.65
Acetophenone	ND		ug/l	5.0	0.55
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.45
P-Chloro-M-Cresol	ND		ug/l	2.0	0.50
2-Chlorophenol	ND		ug/l	2.0	0.34
2,4-Dichlorophenol	ND		ug/l	5.0	0.43
2,4-Dimethylphenol	ND		ug/l	5.0	1.2
2-Nitrophenol	ND		ug/l	10	0.48
4-Nitrophenol	ND		ug/l	10	1.2
2,4-Dinitrophenol	ND		ug/l	20	1.4
4,6-Dinitro-o-cresol	ND		ug/l	10	0.59
Pentachlorophenol	ND		ug/l	10	1.2

Project Name: Not Specified

Lab Number: L1206522

Project Number: Not Specified

Report Date: 04/23/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
 Analytical Date: 04/19/12 11:11
 Analyst: RC

Extraction Method: EPA 3510C
 Extraction Date: 04/17/12 10:54

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 07-09 Batch: WG529679-1					
Phenol	ND		ug/l	5.0	0.26
2-Methylphenol	ND		ug/l	5.0	0.53
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.47
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.45
Benzoic Acid	ND		ug/l	50	1.0
Benzyl Alcohol	ND		ug/l	2.0	0.47
Carbazole	ND		ug/l	2.0	0.53

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	46		21-120
Phenol-d6	31		10-120
Nitrobenzene-d5	76		23-120
2-Fluorobiphenyl	77		15-120
2,4,6-Tribromophenol	70		10-120
4-Terphenyl-d14	106		41-149

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L1206522
Report Date: 04/23/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 04/19/12 11:12
Analyst: JC

Extraction Method: EPA 3510C
Extraction Date: 04/17/12 11:02

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 07-09 Batch: WG529684-1					
Acenaphthene	0.27		ug/l	0.20	0.06
2-Chloronaphthalene	ND		ug/l	0.20	0.07
Fluoranthene	0.41		ug/l	0.20	0.04
Hexachlorobutadiene	ND		ug/l	0.50	0.07
Naphthalene	0.30		ug/l	0.20	0.06
Benzo(a)anthracene	0.42		ug/l	0.20	0.06
Benzo(a)pyrene	0.19	J	ug/l	0.20	0.07
Benzo(b)fluoranthene	0.43		ug/l	0.20	0.07
Benzo(k)fluoranthene	0.33		ug/l	0.20	0.07
Chrysene	0.37		ug/l	0.20	0.05
Acenaphthylene	0.32		ug/l	0.20	0.05
Anthracene	0.14	J	ug/l	0.20	0.06
Benzo(ghi)perylene	0.30		ug/l	0.20	0.07
Fluorene	0.33		ug/l	0.20	0.06
Phenanthrene	0.33		ug/l	0.20	0.06
Dibenzo(a,h)anthracene	0.42		ug/l	0.20	0.07
Indeno(1,2,3-cd)Pyrene	0.46		ug/l	0.20	0.08
Pyrene	0.37		ug/l	0.20	0.06
2-Methylnaphthalene	0.33		ug/l	0.20	0.06
Pentachlorophenol	ND		ug/l	0.80	0.19
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.07

Project Name: Not Specified

Lab Number: L1206522

Project Number: Not Specified

Report Date: 04/23/12

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8270C
 Analytical Date: 04/19/12 11:12
 Analyst: JC

Extraction Method: EPA 3510C
 Extraction Date: 04/17/12 11:02

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 07-09 Batch: WG529684-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	38		21-120
Phenol-d6	26		10-120
Nitrobenzene-d5	83		23-120
2-Fluorobiphenyl	67		15-120
2,4,6-Tribromophenol	53		10-120
4-Terphenyl-d14	80		41-149

Project Name: Not Specified

Lab Number: L1206522

Project Number: Not Specified

Report Date: 04/23/12

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270C
 Analytical Date: 04/18/12 10:58
 Analyst: RC

Extraction Method: EPA 3546
 Extraction Date: 04/17/12 18:07

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG529808-1					
Acenaphthene	ND		ug/kg	130	36.
1,2,4-Trichlorobenzene	ND		ug/kg	160	48.
Hexachlorobenzene	ND		ug/kg	99	26.
Bis(2-chloroethyl)ether	ND		ug/kg	150	31.
2-Chloronaphthalene	ND		ug/kg	160	50.
1,2-Dichlorobenzene	ND		ug/kg	160	49.
1,3-Dichlorobenzene	ND		ug/kg	160	51.
1,4-Dichlorobenzene	ND		ug/kg	160	47.
3,3'-Dichlorobenzidine	ND		ug/kg	160	60.
2,4-Dinitrotoluene	ND		ug/kg	160	50.
2,6-Dinitrotoluene	ND		ug/kg	160	54.
Fluoranthene	ND		ug/kg	99	22.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	29.
4-Bromophenyl phenyl ether	ND		ug/kg	160	34.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	47.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	42.
Hexachlorobutadiene	ND		ug/kg	160	44.
Hexachlorocyclopentadiene	ND		ug/kg	470	130
Hexachloroethane	ND		ug/kg	130	24.
Isophorone	ND		ug/kg	150	39.
Naphthalene	ND		ug/kg	160	52.
Nitrobenzene	ND		ug/kg	150	48.
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	42.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	46.
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	160	34.
Butyl benzyl phthalate	ND		ug/kg	160	46.
Di-n-butylphthalate	ND		ug/kg	160	28.
Di-n-octylphthalate	ND		ug/kg	160	45.
Diethyl phthalate	ND		ug/kg	160	29.
Dimethyl phthalate	ND		ug/kg	160	27.
Benzo(a)anthracene	ND		ug/kg	99	33.

Project Name: Not Specified

Lab Number: L1206522

Project Number: Not Specified

Report Date: 04/23/12

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270C
 Analytical Date: 04/18/12 10:58
 Analyst: RC

Extraction Method: EPA 3546
 Extraction Date: 04/17/12 18:07

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG529808-1					
Benzo(a)pyrene	ND		ug/kg	130	39.
Benzo(b)fluoranthene	ND		ug/kg	99	29.
Benzo(k)fluoranthene	ND		ug/kg	99	25.
Chrysene	ND		ug/kg	99	26.
Acenaphthylene	ND		ug/kg	130	43.
Anthracene	ND		ug/kg	99	23.
Benzo(ghi)perylene	ND		ug/kg	130	42.
Fluorene	ND		ug/kg	160	30.
Phenanthrene	ND		ug/kg	99	28.
Dibenzo(a,h)anthracene	ND		ug/kg	99	31.
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	40.
Pyrene	ND		ug/kg	99	27.
Biphenyl	ND		ug/kg	380	120
4-Chloroaniline	ND		ug/kg	160	56.
2-Nitroaniline	ND		ug/kg	160	30.
3-Nitroaniline	ND		ug/kg	160	18.
4-Nitroaniline	ND		ug/kg	160	100
Dibenzofuran	ND		ug/kg	160	34.
2-Methylnaphthalene	ND		ug/kg	200	65.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	53.
Acetophenone	ND		ug/kg	160	53.
2,4,6-Trichlorophenol	ND		ug/kg	99	30.
P-Chloro-M-Cresol	ND		ug/kg	160	34.
2-Chlorophenol	ND		ug/kg	160	52.
2,4-Dichlorophenol	ND		ug/kg	150	48.
2,4-Dimethylphenol	ND		ug/kg	160	68.
2-Nitrophenol	ND		ug/kg	360	120
4-Nitrophenol	ND		ug/kg	230	70.
2,4-Dinitrophenol	ND		ug/kg	790	260
4,6-Dinitro-o-cresol	ND		ug/kg	430	160
Pentachlorophenol	ND		ug/kg	130	39.

Project Name: Not Specified

Lab Number: L1206522

Project Number: Not Specified

Report Date: 04/23/12

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8270C
 Analytical Date: 04/18/12 10:58
 Analyst: RC

Extraction Method: EPA 3546
 Extraction Date: 04/17/12 18:07

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG529808-1					
Phenol	ND		ug/kg	160	52.
2-Methylphenol	ND		ug/kg	160	41.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	72.
2,4,5-Trichlorophenol	ND		ug/kg	160	38.
Benzoic Acid	ND		ug/kg	540	140
Benzyl Alcohol	ND		ug/kg	160	38.
Carbazole	ND		ug/kg	160	27.

Tentatively Identified Compounds

Unknown	200	J	ug/kg
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Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	76		25-120
Phenol-d6	78		10-120
Nitrobenzene-d5	70		23-120
2-Fluorobiphenyl	78		30-120
2,4,6-Tribromophenol	92		0-136
4-Terphenyl-d14	100		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Lab Number: L1206522

Project Number: Not Specified

Report Date: 04/23/12

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 07-09 Batch: WG529679-2 WG529679-3								
Acenaphthene	75		84		37-111	11		30
1,2,4-Trichlorobenzene	61		71		39-98	15		30
Hexachlorobenzene	86		92		40-140	7		30
Bis(2-chloroethyl)ether	64		74		40-140	14		30
2-Chloronaphthalene	78		89		40-140	13		30
1,2-Dichlorobenzene	62		70		40-140	12		30
1,3-Dichlorobenzene	58		66		40-140	13		30
1,4-Dichlorobenzene	59		66		36-97	11		30
3,3'-Dichlorobenzidine	59		65		40-140	10		30
2,4-Dinitrotoluene	96		103	Q	24-96	7		30
2,6-Dinitrotoluene	87		96		40-140	10		30
Fluoranthene	90		97		40-140	7		30
4-Chlorophenyl phenyl ether	82		89		40-140	8		30
4-Bromophenyl phenyl ether	88		97		40-140	10		30
Bis(2-chloroisopropyl)ether	61		70		40-140	14		30
Bis(2-chloroethoxy)methane	66		76		40-140	14		30
Hexachlorobutadiene	62		72		40-140	15		30
Hexachlorocyclopentadiene	62		73		40-140	16		30
Hexachloroethane	58		65		40-140	11		30
Isophorone	66		77		40-140	15		30
Naphthalene	66		76		40-140	14		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L1206522
Report Date: 04/23/12

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 07-09 Batch: WG529679-2 WG529679-3								
Nitrobenzene	69		74		40-140	7		30
NitrosoDiPhenylAmine(NDPA)/DPA	77		84		40-140	9		30
n-Nitrosodi-n-propylamine	66		77		29-132	15		30
Bis(2-Ethylhexyl)phthalate	92		98		40-140	6		30
Butyl benzyl phthalate	91		97		40-140	6		30
Di-n-butylphthalate	90		97		40-140	7		30
Di-n-octylphthalate	94		100		40-140	6		30
Diethyl phthalate	90		97		40-140	7		30
Dimethyl phthalate	87		94		40-140	8		30
Benzo(a)anthracene	89		94		40-140	5		30
Benzo(a)pyrene	82		90		40-140	9		30
Benzo(b)fluoranthene	93		102		40-140	9		30
Benzo(k)fluoranthene	87		94		40-140	8		30
Chrysene	88		95		40-140	8		30
Acenaphthylene	74		84		45-123	13		30
Anthracene	88		97		40-140	10		30
Benzo(ghi)perylene	87		96		40-140	10		30
Fluorene	81		90		40-140	11		30
Phenanthrene	87		95		40-140	9		30
Dibenzo(a,h)anthracene	89		97		40-140	9		30
Indeno(1,2,3-cd)Pyrene	83		92		40-140	10		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Lab Number: L1206522

Project Number: Not Specified

Report Date: 04/23/12

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 07-09 Batch: WG529679-2 WG529679-3								
Pyrene	88		95		26-127	8		30
Biphenyl	74		84			13		30
4-Chloroaniline	57		64		40-140	12		30
2-Nitroaniline	94		103		52-143	9		30
3-Nitroaniline	78		86		25-145	10		30
4-Nitroaniline	86		94		51-143	9		30
Dibenzofuran	78		89		40-140	13		30
2-Methylnaphthalene	66		76		40-140	14		30
1,2,4,5-Tetrachlorobenzene	65		79		2-134	19		30
Acetophenone	73		82		39-129	12		30
2,4,6-Trichlorophenol	83		92		30-130	10		30
P-Chloro-M-Cresol	91		98	Q	23-97	7		30
2-Chlorophenol	67		77		27-123	14		30
2,4-Dichlorophenol	78		91		30-130	15		30
2,4-Dimethylphenol	71		79		30-130	11		30
2-Nitrophenol	70		81		30-130	15		30
4-Nitrophenol	66		63		10-80	5		30
2,4-Dinitrophenol	62		75		20-130	19		30
4,6-Dinitro-o-cresol	88		90		20-164	2		30
Pentachlorophenol	86		96		9-103	11		30
Phenol	34		34		12-110	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Lab Number: L1206522

Project Number: Not Specified

Report Date: 04/23/12

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 07-09 Batch: WG529679-2 WG529679-3								
2-Methylphenol	64		72		30-130	12		30
3-Methylphenol/4-Methylphenol	64		72		30-130	12		30
2,4,5-Trichlorophenol	90		101		30-130	12		30
Benzoic Acid	5		7			35	Q	30
Benzyl Alcohol	64		73			13		30
Carbazole	86		94		55-144	9		30

Surrogate	LCS		LCSD		Acceptance Criteria
	%Recovery	Qual	%Recovery	Qual	
2-Fluorophenol	50		52		21-120
Phenol-d6	36		37		10-120
Nitrobenzene-d5	68		74		23-120
2-Fluorobiphenyl	72		80		15-120
2,4,6-Tribromophenol	92		90		10-120
4-Terphenyl-d14	100		100		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L1206522
Report Date: 04/23/12

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 07-09 Batch: WG529684-2 WG529684-3								
Acenaphthene	78		82		37-111	5		40
2-Chloronaphthalene	96		98		40-140	2		40
Fluoranthene	105		108		40-140	3		40
Hexachlorobutadiene	80		77		40-140	4		40
Naphthalene	74		75		40-140	1		40
Benzo(a)anthracene	90		96		40-140	6		40
Benzo(a)pyrene	76		81		40-140	6		40
Benzo(b)fluoranthene	78		82		40-140	5		40
Benzo(k)fluoranthene	97		103		40-140	6		40
Chrysene	93		99		40-140	6		40
Acenaphthylene	90		92		40-140	2		40
Anthracene	90		94		40-140	4		40
Benzo(ghi)perylene	84		90		40-140	7		40
Fluorene	89		92		40-140	3		40
Phenanthrene	89		92		40-140	3		40
Dibenzo(a,h)anthracene	81		87		40-140	7		40
Indeno(1,2,3-cd)Pyrene	79		85		40-140	7		40
Pyrene	103		107		26-127	4		40
2-Methylnaphthalene	75		75		40-140	0		40
Pentachlorophenol	101		114	Q	9-103	12		40
Hexachlorobenzene	82		84		40-140	2		40

Lab Control Sample Analysis Batch Quality Control

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L1206522
Report Date: 04/23/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 07-09 Batch: WG529684-2 WG529684-3								
Hexachloroethane	76		76		40-140	0		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	47		50		21-120
Phenol-d6	33		35		10-120
Nitrobenzene-d5	94		95		23-120
2-Fluorobiphenyl	76		78		15-120
2,4,6-Tribromophenol	88		93		10-120
4-Terphenyl-d14	95		99		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Lab Number: L1206522

Project Number: Not Specified

Report Date: 04/23/12

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG529808-2 WG529808-3								
Acenaphthene	84		70		31-137	18		50
1,2,4-Trichlorobenzene	80		69		38-107	15		50
Hexachlorobenzene	92		77		40-140	18		50
Bis(2-chloroethyl)ether	80		68		40-140	16		50
2-Chloronaphthalene	101		87		40-140	15		50
1,2-Dichlorobenzene	80		69		40-140	15		50
1,3-Dichlorobenzene	78		68		40-140	14		50
1,4-Dichlorobenzene	78		68		28-104	14		50
3,3'-Dichlorobenzidine	116		103		40-140	12		50
2,4-Dinitrotoluene	90	Q	76		28-89	17		50
2,6-Dinitrotoluene	89		75		40-140	17		50
Fluoranthene	90		78		40-140	14		50
4-Chlorophenyl phenyl ether	90		74		40-140	20		50
4-Bromophenyl phenyl ether	92		79		40-140	15		50
Bis(2-chloroisopropyl)ether	74		62		40-140	18		50
Bis(2-chloroethoxy)methane	80		69		40-117	15		50
Hexachlorobutadiene	87		73		40-140	18		50
Hexachlorocyclopentadiene	81		67		40-140	19		50
Hexachloroethane	75		66		40-140	13		50
Isophorone	78		68		40-140	14		50
Naphthalene	86		72		40-140	18		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L1206522
Report Date: 04/23/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG529808-2 WG529808-3								
Nitrobenzene	82		70		40-140	16		50
NitrosoDiPhenylAmine(NDPA)/DPA	161		135			18		50
n-Nitrosodi-n-propylamine	78		67		32-121	15		50
Bis(2-Ethylhexyl)phthalate	81		66		40-140	20		50
Butyl benzyl phthalate	87		75		40-140	15		50
Di-n-butylphthalate	87		72		40-140	19		50
Di-n-octylphthalate	80		66		40-140	19		50
Diethyl phthalate	89		73		40-140	20		50
Dimethyl phthalate	87		74		40-140	16		50
Benzo(a)anthracene	84		72		40-140	15		50
Benzo(a)pyrene	78		65		40-140	18		50
Benzo(b)fluoranthene	83		72		40-140	14		50
Benzo(k)fluoranthene	91		76		40-140	18		50
Chrysene	89		76		40-140	16		50
Acenaphthylene	88		75		40-140	16		50
Anthracene	87		73		40-140	18		50
Benzo(ghi)perylene	85		72		40-140	17		50
Fluorene	87		73		40-140	18		50
Phenanthrene	85		72		40-140	17		50
Dibenzo(a,h)anthracene	84		72		40-140	15		50
Indeno(1,2,3-cd)Pyrene	76		65		40-140	16		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Lab Number: L1206522

Project Number: Not Specified

Report Date: 04/23/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG529808-2 WG529808-3								
Pyrene	89		78		35-142	13		50
Biphenyl	88		74			17		50
4-Chloroaniline	58		50		40-140	15		50
2-Nitroaniline	92		80		47-134	14		50
3-Nitroaniline	76		64		26-129	17		50
4-Nitroaniline	89		74		41-125	18		50
Dibenzofuran	87		74		40-140	16		50
2-Methylnaphthalene	84		72		40-140	15		50
1,2,4,5-Tetrachlorobenzene	87		74		40-117	16		50
Acetophenone	176	Q	152	Q	14-144	15		50
2,4,6-Trichlorophenol	92		76		30-130	19		50
P-Chloro-M-Cresol	91		79		26-103	14		50
2-Chlorophenol	86		74		25-102	15		50
2,4-Dichlorophenol	93		80		30-130	15		50
2,4-Dimethylphenol	79		71		30-130	11		50
2-Nitrophenol	81		70		30-130	15		50
4-Nitrophenol	80		69		11-114	15		50
2,4-Dinitrophenol	24		28		4-130	15		50
4,6-Dinitro-o-cresol	95		76		10-130	22		50
Pentachlorophenol	78		66		17-109	17		50
Phenol	84		72		26-90	15		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L1206522
Report Date: 04/23/12

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG529808-2 WG529808-3								
2-Methylphenol	86		74		30-130.	15		50
3-Methylphenol/4-Methylphenol	86		74		30-130	15		50
2,4,5-Trichlorophenol	96		79		30-130	19		50
Benzoic Acid	0		0			NC		50
Benzyl Alcohol	78		70		40-140	11		50
Carbazole	87		74		54-128	16		50

Surrogate	LCS		LCSD		Acceptance Criteria
	%Recovery	Qual	%Recovery	Qual	
2-Fluorophenol	84		73		25-120
Phenol-d6	86		76		10-120
Nitrobenzene-d5	76		68		23-120
2-Fluorobiphenyl	86		74		30-120
2,4,6-Tribromophenol	87		77		0-136
4-Terphenyl-d14	101		85		18-120

PCBS

Project Name: Not Specified**Lab Number:** L1206522**Project Number:** Not Specified**Report Date:** 04/23/12**SAMPLE RESULTS**

Lab ID: L1206522-01
Client ID: B-1 (0-2')
Sample Location: 62N 9TH ST, BKLN, NY
Matrix: Soil
Analytical Method: 1,8082
Analytical Date: 04/18/12 16:34
Analyst: KB
Percent Solids: 97%

Date Collected: 04/12/12 13:20
Date Received: 04/13/12
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 04/16/12 21:59
Cleanup Method1: EPA 3665A
Cleanup Date1: 04/18/12
Cleanup Method2: EPA 3660B
Cleanup Date2: 04/18/12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1016	ND		ug/kg	33.1	6.55	1
Aroclor 1221	ND		ug/kg	33.1	10.0	1
Aroclor 1232	ND		ug/kg	33.1	7.04	1
Aroclor 1242	ND		ug/kg	33.1	6.29	1
Aroclor 1248	ND		ug/kg	33.1	4.01	1
Aroclor 1254	ND		ug/kg	33.1	5.22	1
Aroclor 1260	ND		ug/kg	33.1	5.75	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	86		30-150
Decachlorobiphenyl	64		30-150
2,4,5,6-Tetrachloro-m-xylene	99		30-150
Decachlorobiphenyl	66		30-150

Project Name: Not Specified**Lab Number:** L1206522**Project Number:** Not Specified**Report Date:** 04/23/12**SAMPLE RESULTS**

Lab ID: L1206522-02
Client ID: B-1 (6-8')
Sample Location: 62N 9TH ST, BKLN, NY
Matrix: Soil
Analytical Method: 1,8082
Analytical Date: 04/18/12 16:48
Analyst: KB
Percent Solids: 97%

Date Collected: 04/12/12 14:30
Date Received: 04/13/12
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 04/16/12 21:59
Cleanup Method1: EPA 3665A
Cleanup Date1: 04/18/12
Cleanup Method2: EPA 3660B
Cleanup Date2: 04/18/12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1016	ND		ug/kg	33.0	6.52	1
Aroclor 1221	ND		ug/kg	33.0	9.97	1
Aroclor 1232	ND		ug/kg	33.0	7.02	1
Aroclor 1242	ND		ug/kg	33.0	6.27	1
Aroclor 1248	ND		ug/kg	33.0	4.00	1
Aroclor 1254	ND		ug/kg	33.0	5.21	1
Aroclor 1260	ND		ug/kg	33.0	5.73	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	99		30-150
Decachlorobiphenyl	70		30-150
2,4,5,6-Tetrachloro-m-xylene	110		30-150
Decachlorobiphenyl	74		30-150

Project Name: Not Specified**Lab Number:** L1206522**Project Number:** Not Specified**Report Date:** 04/23/12**SAMPLE RESULTS**

Lab ID: L1206522-03
Client ID: B-2 (0-2')
Sample Location: 62N 9TH ST, BKLN, NY
Matrix: Soil
Analytical Method: 1,8082
Analytical Date: 04/18/12 17:01
Analyst: KB
Percent Solids: 94%

Date Collected: 04/12/12 12:00
Date Received: 04/13/12
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 04/16/12 21:59
Cleanup Method1: EPA 3665A
Cleanup Date1: 04/18/12
Cleanup Method2: EPA 3660B
Cleanup Date2: 04/18/12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1016	ND		ug/kg	33.2	6.56	1
Aroclor 1221	ND		ug/kg	33.2	10.0	1
Aroclor 1232	ND		ug/kg	33.2	7.05	1
Aroclor 1242	ND		ug/kg	33.2	6.30	1
Aroclor 1248	ND		ug/kg	33.2	4.02	1
Aroclor 1254	ND		ug/kg	33.2	5.23	1
Aroclor 1260	ND		ug/kg	33.2	5.76	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	92		30-150
Decachlorobiphenyl	73		30-150
2,4,5,6-Tetrachloro-m-xylene	99		30-150
Decachlorobiphenyl	66		30-150

Project Name: Not Specified**Lab Number:** L1206522**Project Number:** Not Specified**Report Date:** 04/23/12**SAMPLE RESULTS**

Lab ID: L1206522-04
 Client ID: B-2 (8-10')
 Sample Location: 62N 9TH ST, BKLN, NY
 Matrix: Soil
 Analytical Method: 1,8082
 Analytical Date: 04/18/12 17:15
 Analyst: KB
 Percent Solids: 85%

Date Collected: 04/12/12 12:20
 Date Received: 04/13/12
 Field Prep: Not Specified
 Extraction Method: EPA 3546
 Extraction Date: 04/16/12 21:59
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 04/18/12
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 04/18/12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1016	ND		ug/kg	38.0	7.51	1
Aroclor 1221	ND		ug/kg	38.0	11.5	1
Aroclor 1232	ND		ug/kg	38.0	8.08	1
Aroclor 1242	ND		ug/kg	38.0	7.22	1
Aroclor 1248	ND		ug/kg	38.0	4.60	1
Aroclor 1254	ND		ug/kg	38.0	6.00	1
Aroclor 1260	ND		ug/kg	38.0	6.60	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	92		30-150
Decachlorobiphenyl	73		30-150
2,4,5,6-Tetrachloro-m-xylene	106		30-150
Decachlorobiphenyl	75		30-150

Project Name: Not Specified**Lab Number:** L1206522**Project Number:** Not Specified**Report Date:** 04/23/12**SAMPLE RESULTS**

Lab ID: L1206522-05
Client ID: B-3 (0-2')
Sample Location: 62N 9TH ST, BKLN, NY
Matrix: Soil
Analytical Method: 1,8082
Analytical Date: 04/18/12 17:29
Analyst: KB
Percent Solids: 86%

Date Collected: 04/12/12 11:30
Date Received: 04/13/12
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 04/16/12 21:59
Cleanup Method1: EPA 3665A
Cleanup Date1: 04/18/12
Cleanup Method2: EPA 3660B
Cleanup Date2: 04/18/12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1016	ND		ug/kg	36.6	7.23	1
Aroclor 1221	ND		ug/kg	36.6	11.0	1
Aroclor 1232	ND		ug/kg	36.6	7.78	1
Aroclor 1242	ND		ug/kg	36.6	6.95	1
Aroclor 1248	ND		ug/kg	36.6	4.43	1
Aroclor 1254	ND		ug/kg	36.6	5.77	1
Aroclor 1260	ND		ug/kg	36.6	6.35	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	104		30-150
Decachlorobiphenyl	80		30-150
2,4,5,6-Tetrachloro-m-xylene	117		30-150
Decachlorobiphenyl	84		30-150

Project Name: Not Specified**Lab Number:** L1206522**Project Number:** Not Specified**Report Date:** 04/23/12**SAMPLE RESULTS**

Lab ID: L1206522-06
Client ID: B-3 (8-10')
Sample Location: 62N 9TH ST, BKLN, NY
Matrix: Soil
Analytical Method: 1,8082
Analytical Date: 04/18/12 17:42
Analyst: KB
Percent Solids: 85%

Date Collected: 04/12/12 10:50
Date Received: 04/13/12
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 04/16/12 21:59
Cleanup Method1: EPA 3665A
Cleanup Date1: 04/18/12
Cleanup Method2: EPA 3660B
Cleanup Date2: 04/18/12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1016	ND		ug/kg	37.1	7.32	1
Aroclor 1221	ND		ug/kg	37.1	11.2	1
Aroclor 1232	ND		ug/kg	37.1	7.87	1
Aroclor 1242	ND		ug/kg	37.1	7.03	1
Aroclor 1248	ND		ug/kg	37.1	4.48	1
Aroclor 1254	ND		ug/kg	37.1	5.84	1
Aroclor 1260	ND		ug/kg	37.1	6.43	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	94		30-150
Decachlorobiphenyl	76		30-150
2,4,5,6-Tetrachloro-m-xylene	106		30-150
Decachlorobiphenyl	80		30-150

Project Name: Not Specified

Lab Number: L1206522

Project Number: Not Specified

Report Date: 04/23/12

SAMPLE RESULTS

Lab ID: L1206522-07
 Client ID: GW-1
 Sample Location: 62N 9TH ST, BKLN, NY
 Matrix: Water
 Analytical Method: 1,8082
 Analytical Date: 04/18/12 23:03
 Analyst: KB

Date Collected: 04/12/12 16:30
 Date Received: 04/13/12
 Field Prep: Not Specified
 Extraction Method: EPA 3510C
 Extraction Date: 04/18/12 12:04
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 04/18/12
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 04/18/12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1016	ND		ug/l	0.345	0.228	1
Aroclor 1221	ND		ug/l	0.345	0.221	1
Aroclor 1232	ND		ug/l	0.345	0.128	1
Aroclor 1242	ND		ug/l	0.345	0.248	1
Aroclor 1248	ND		ug/l	0.345	0.210	1
Aroclor 1254	ND		ug/l	0.345	0.141	1
Aroclor 1260	ND		ug/l	0.345	0.131	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	83		30-150
Decachlorobiphenyl	63		30-150
2,4,5,6-Tetrachloro-m-xylene	101		30-150
Decachlorobiphenyl	69		30-150

Project Name: Not Specified

Lab Number: L1206522

Project Number: Not Specified

Report Date: 04/23/12

SAMPLE RESULTS

Lab ID: L1206522-08
 Client ID: GW-2
 Sample Location: 62N 9TH ST, BKLN, NY
 Matrix: Water
 Analytical Method: 1,8082
 Analytical Date: 04/17/12 01:29
 Analyst: KB

Date Collected: 04/12/12 11:10
 Date Received: 04/13/12
 Field Prep: Not Specified
 Extraction Method: EPA 3510C
 Extraction Date: 04/16/12 10:49
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 04/16/12
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 04/16/12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1016	ND		ug/l	0.083	0.055	1
Aroclor 1221	ND		ug/l	0.083	0.053	1
Aroclor 1232	ND		ug/l	0.083	0.031	1
Aroclor 1242	ND		ug/l	0.083	0.060	1
Aroclor 1248	ND		ug/l	0.083	0.051	1
Aroclor 1254	ND		ug/l	0.083	0.034	1
Aroclor 1260	ND		ug/l	0.083	0.032	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	63		30-150
Decachlorobiphenyl	44		30-150
2,4,5,6-Tetrachloro-m-xylene	70		30-150
Decachlorobiphenyl	47		30-150

Project Name: Not Specified

Lab Number: L1206522

Project Number: Not Specified

Report Date: 04/23/12

SAMPLE RESULTS

Lab ID: L1206522-09
 Client ID: FB-1
 Sample Location: 62N 9TH ST, BKLN, NY
 Matrix: Water
 Analytical Method: 1,8082
 Analytical Date: 04/17/12 01:42
 Analyst: KB

Date Collected: 04/12/12 14:00
 Date Received: 04/13/12
 Field Prep: Not Specified
 Extraction Method: EPA 3510C
 Extraction Date: 04/16/12 10:49
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 04/16/12
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 04/16/12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1016	ND		ug/l	0.083	0.055	1
Aroclor 1221	ND		ug/l	0.083	0.053	1
Aroclor 1232	ND		ug/l	0.083	0.031	1
Aroclor 1242	ND		ug/l	0.083	0.060	1
Aroclor 1248	ND		ug/l	0.083	0.051	1
Aroclor 1254	ND		ug/l	0.083	0.034	1
Aroclor 1260	ND		ug/l	0.083	0.032	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	57		30-150
Decachlorobiphenyl	39		30-150
2,4,5,6-Tetrachloro-m-xylene	66		30-150
Decachlorobiphenyl	43		30-150

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L1206522
Report Date: 04/23/12

**Method Blank Analysis
 Batch Quality Control**

Analytical Method: 1,8082
 Analytical Date: 04/16/12 23:53
 Analyst: KB

Extraction Method: EPA 3510C
 Extraction Date: 04/16/12 10:49
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 04/16/12
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 04/16/12

Parameter	Result	Qualifier	Units	RL	MDL
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 08-09 Batch: WG529390-1					
Aroclor 1016	ND		ug/l	0.083	0.055
Aroclor 1221	ND		ug/l	0.083	0.053
Aroclor 1232	ND		ug/l	0.083	0.031
Aroclor 1242	ND		ug/l	0.083	0.060
Aroclor 1248	ND		ug/l	0.083	0.051
Aroclor 1254	ND		ug/l	0.083	0.034
Aroclor 1260	ND		ug/l	0.083	0.032

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	65		30-150
Decachlorobiphenyl	57		30-150
2,4,5,6-Tetrachloro-m-xylene	71		30-150
Decachlorobiphenyl	56		30-150



Project Name: Not Specified**Lab Number:** L1206522**Project Number:** Not Specified**Report Date:** 04/23/12

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8082
 Analytical Date: 04/18/12 17:56
 Analyst: KB

Extraction Method: EPA 3546
 Extraction Date: 04/16/12 21:59
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 04/18/12
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 04/18/12

Parameter	Result	Qualifier	Units	RL	MDL
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-06 Batch: WG529560-1					
Aroclor 1016	ND		ug/kg	32.3	6.38
Aroclor 1221	ND		ug/kg	32.3	9.74
Aroclor 1232	ND		ug/kg	32.3	6.86
Aroclor 1242	ND		ug/kg	32.3	6.12
Aroclor 1248	ND		ug/kg	32.3	3.90
Aroclor 1254	ND		ug/kg	32.3	5.09
Aroclor 1260	ND		ug/kg	32.3	5.60

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	95		30-150
Decachlorobiphenyl	75		30-150
2,4,5,6-Tetrachloro-m-xylene	104		30-150
Decachlorobiphenyl	75		30-150

Project Name: Not Specified**Lab Number:** L1206522**Project Number:** Not Specified**Report Date:** 04/23/12

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8082
 Analytical Date: 04/18/12 22:21
 Analyst: KB

Extraction Method: EPA 3510C
 Extraction Date: 04/18/12 12:04
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 04/18/12
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 04/18/12

Parameter	Result	Qualifier	Units	RL	MDL
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 07 Batch: WG529982-1					
Aroclor 1016	ND		ug/l	0.083	0.055
Aroclor 1221	ND		ug/l	0.083	0.053
Aroclor 1232	ND		ug/l	0.083	0.031
Aroclor 1242	ND		ug/l	0.083	0.060
Aroclor 1248	ND		ug/l	0.083	0.051
Aroclor 1254	ND		ug/l	0.083	0.034
Aroclor 1260	ND		ug/l	0.083	0.032

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	97		30-150
Decachlorobiphenyl	88		30-150
2,4,5,6-Tetrachloro-m-xylene	110		30-150
Decachlorobiphenyl	90		30-150

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L1206522
Report Date: 04/23/12

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 08-09 Batch: WG529390-2 WG529390-3								
Aroclor 1016	76		75		40-140	1		50
Aroclor 1260	72		73		40-140	2		50

Surrogate	LCS		LCSD		Acceptance Criteria
	%Recovery	Qual	%Recovery	Qual	
2,4,5,6-Tetrachloro-m-xylene	68		66		30-150
Decachlorobiphenyl	63		61		30-150
2,4,5,6-Tetrachloro-m-xylene	82		70		30-150
Decachlorobiphenyl	69		58		30-150

Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-06 Batch: WG529560-2 WG529560-3								
Aroclor 1016	90		93		40-140	3		50
Aroclor 1260	82		88		40-140	7		50

Surrogate	LCS		LCSD		Acceptance Criteria
	%Recovery	Qual	%Recovery	Qual	
2,4,5,6-Tetrachloro-m-xylene	87		90		30-150
Decachlorobiphenyl	73		79		30-150
2,4,5,6-Tetrachloro-m-xylene	93		105		30-150
Decachlorobiphenyl	70		82		30-150

Lab Control Sample Analysis Batch Quality Control

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L1206522
Report Date: 04/23/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 07 Batch: WG529982-2 WG529982-3								
Aroclor 1016	89		114		40-140	25		50
Aroclor 1260	85		110		40-140	26		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	84		104		30-150
Decachlorobiphenyl	77		105		30-150
2,4,5,6-Tetrachloro-m-xylene	103		107		30-150
Decachlorobiphenyl	87		97		30-150

PESTICIDES

Project Name: Not Specified**Lab Number:** L1206522**Project Number:** Not Specified**Report Date:** 04/23/12**SAMPLE RESULTS**

Lab ID: L1206522-01
Client ID: B-1 (0-2')
Sample Location: 62N 9TH ST, BKLN, NY
Matrix: Soil
Analytical Method: 1,8081A
Analytical Date: 04/18/12 16:03
Analyst: SH
Percent Solids: 97%

Date Collected: 04/12/12 13:20
Date Received: 04/13/12
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 04/17/12 20:04
Cleanup Method1: EPA 3620B
Cleanup Date1: 04/18/12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab						
Delta-BHC	ND		ug/kg	1.58	0.309	1
Lindane	ND		ug/kg	0.657	0.294	1
Alpha-BHC	ND		ug/kg	0.657	0.187	1
Beta-BHC	ND		ug/kg	1.58	0.598	1
Heptachlor	ND		ug/kg	0.789	0.354	1
Aldrin	ND		ug/kg	1.58	0.556	1
Heptachlor epoxide	ND		ug/kg	2.96	0.888	1
Endrin	ND		ug/kg	0.657	0.270	1
Endrin ketone	ND		ug/kg	1.58	0.406	1
Dieldrin	ND		ug/kg	0.986	0.493	1
4,4'-DDE	ND		ug/kg	1.58	0.365	1
4,4'-DDD	ND		ug/kg	1.58	0.563	1
4,4'-DDT	ND		ug/kg	2.96	1.27	1
Endosulfan I	ND		ug/kg	1.58	0.373	1
Endosulfan II	ND		ug/kg	1.58	0.527	1
Endosulfan sulfate	ND		ug/kg	0.657	0.300	1
Methoxychlor	ND		ug/kg	2.96	0.920	1
Toxaphene	ND		ug/kg	29.6	8.28	1
trans-Chlordane	ND		ug/kg	1.97	0.521	1
Chlordane	ND		ug/kg	12.8	5.23	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	98		30-150	A
Decachlorobiphenyl	76		30-150	A
2,4,5,6-Tetrachloro-m-xylene	88		30-150	B
Decachlorobiphenyl	106		30-150	B

Project Name: Not Specified**Lab Number:** L1206522**Project Number:** Not Specified**Report Date:** 04/23/12**SAMPLE RESULTS**

Lab ID: L1206522-02
 Client ID: B-1 (6-8')
 Sample Location: 62N 9TH ST, BKLN, NY
 Matrix: Soil
 Analytical Method: 1,8081A
 Analytical Date: 04/18/12 16:15
 Analyst: SH
 Percent Solids: 97%

Date Collected: 04/12/12 14:30
 Date Received: 04/13/12
 Field Prep: Not Specified
 Extraction Method: EPA 3546
 Extraction Date: 04/17/12 20:04
 Cleanup Method1: EPA 3620B
 Cleanup Date1: 04/18/12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab						
Delta-BHC	ND		ug/kg	1.60	0.314	1
Lindane	ND		ug/kg	0.669	0.299	1
Alpha-BHC	ND		ug/kg	0.669	0.190	1
Beta-BHC	ND		ug/kg	1.60	0.609	1
Heptachlor	ND		ug/kg	0.803	0.360	1
Aldrin	ND		ug/kg	1.60	0.565	1
Heptachlor epoxide	ND		ug/kg	3.01	0.903	1
Endrin	ND		ug/kg	0.669	0.274	1
Endrin ketone	ND		ug/kg	1.60	0.413	1
Dieldrin	ND		ug/kg	1.00	0.502	1
4,4'-DDE	ND		ug/kg	1.60	0.371	1
4,4'-DDD	ND		ug/kg	1.60	0.573	1
4,4'-DDT	ND		ug/kg	3.01	1.29	1
Endosulfan I	ND		ug/kg	1.60	0.379	1
Endosulfan II	ND		ug/kg	1.60	0.536	1
Endosulfan sulfate	ND		ug/kg	0.669	0.306	1
Methoxychlor	ND		ug/kg	3.01	0.936	1
Toxaphene	ND		ug/kg	30.1	8.43	1
trans-Chlordane	ND		ug/kg	2.01	0.530	1
Chlordane	ND		ug/kg	13.0	5.32	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	102		30-150	A
Decachlorobiphenyl	78		30-150	A
2,4,5,6-Tetrachloro-m-xylene	90		30-150	B
Decachlorobiphenyl	111		30-150	B

Project Name: Not Specified**Lab Number:** L1206522**Project Number:** Not Specified**Report Date:** 04/23/12**SAMPLE RESULTS**

Lab ID: L1206522-03
 Client ID: B-2 (0-2')
 Sample Location: 62N 9TH ST, BKLN, NY
 Matrix: Soil
 Analytical Method: 1,8081A
 Analytical Date: 04/18/12 16:28
 Analyst: SH
 Percent Solids: 94%

Date Collected: 04/12/12 12:00
 Date Received: 04/13/12
 Field Prep: Not Specified
 Extraction Method: EPA 3546
 Extraction Date: 04/17/12 20:04
 Cleanup Method1: EPA 3620B
 Cleanup Date1: 04/18/12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab						
Delta-BHC	ND		ug/kg	1.69	0.331	1
Lindane	ND		ug/kg	0.704	0.315	1
Alpha-BHC	ND		ug/kg	0.704	0.200	1
Beta-BHC	ND		ug/kg	1.69	0.641	1
Heptachlor	ND		ug/kg	0.845	0.379	1
Aldrin	ND		ug/kg	1.69	0.595	1
Heptachlor epoxide	ND		ug/kg	3.17	0.951	1
Endrin	ND		ug/kg	0.704	0.289	1
Endrin ketone	ND		ug/kg	1.69	0.435	1
Dieldrin	ND		ug/kg	1.06	0.528	1
4,4'-DDE	ND		ug/kg	1.69	0.391	1
4,4'-DDD	ND		ug/kg	1.69	0.603	1
4,4'-DDT	ND		ug/kg	3.17	1.36	1
Endosulfan I	ND		ug/kg	1.69	0.399	1
Endosulfan II	ND		ug/kg	1.69	0.565	1
Endosulfan sulfate	ND		ug/kg	0.704	0.322	1
Methoxychlor	ND		ug/kg	3.17	0.986	1
Toxaphene	ND		ug/kg	31.7	8.88	1
trans-Chlordane	ND		ug/kg	2.11	0.558	1
Chlordane	ND		ug/kg	13.7	5.60	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	93		30-150	A
Decachlorobiphenyl	66		30-150	A
2,4,5,6-Tetrachloro-m-xylene	82		30-150	B
Decachlorobiphenyl	102		30-150	B

Project Name: Not Specified**Lab Number:** L1206522**Project Number:** Not Specified**Report Date:** 04/23/12**SAMPLE RESULTS**

Lab ID: L1206522-04
 Client ID: B-2 (8-10')
 Sample Location: 62N 9TH ST, BKLN, NY
 Matrix: Soil
 Analytical Method: 1,8081A
 Analytical Date: 04/18/12 16:41
 Analyst: SH
 Percent Solids: 85%

Date Collected: 04/12/12 12:20
 Date Received: 04/13/12
 Field Prep: Not Specified
 Extraction Method: EPA 3546
 Extraction Date: 04/17/12 20:04
 Cleanup Method1: EPA 3620B
 Cleanup Date1: 04/18/12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab						
Delta-BHC	ND		ug/kg	1.83	0.359	1
Lindane	ND		ug/kg	0.764	0.342	1
Alpha-BHC	ND		ug/kg	0.764	0.217	1
Beta-BHC	ND		ug/kg	1.83	0.696	1
Heptachlor	ND		ug/kg	0.917	0.411	1
Aldrin	ND		ug/kg	1.83	0.646	1
Heptachlor epoxide	ND		ug/kg	3.44	1.03	1
Endrin	ND		ug/kg	0.764	0.313	1
Endrin ketone	ND		ug/kg	1.83	0.472	1
Dieldrin	ND		ug/kg	1.15	0.573	1
4,4'-DDE	ND		ug/kg	1.83	0.424	1
4,4'-DDD	ND		ug/kg	1.83	0.654	1
4,4'-DDT	ND		ug/kg	3.44	1.48	1
Endosulfan I	ND		ug/kg	1.83	0.433	1
Endosulfan II	ND		ug/kg	1.83	0.613	1
Endosulfan sulfate	ND		ug/kg	0.764	0.349	1
Methoxychlor	ND		ug/kg	3.44	1.07	1
Toxaphene	ND		ug/kg	34.4	9.63	1
trans-Chlordane	ND		ug/kg	2.29	0.605	1
Chlordane	ND		ug/kg	14.9	6.08	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	99		30-150	A
Decachlorobiphenyl	77		30-150	A
2,4,5,6-Tetrachloro-m-xylene	89		30-150	B
Decachlorobiphenyl	114		30-150	B

Project Name: Not Specified**Lab Number:** L1206522**Project Number:** Not Specified**Report Date:** 04/23/12**SAMPLE RESULTS**

Lab ID: L1206522-05
Client ID: B-3 (0-2')
Sample Location: 62N 9TH ST, BKLN, NY
Matrix: Soil
Analytical Method: 1,8081A
Analytical Date: 04/18/12 16:53
Analyst: SH
Percent Solids: 86%

Date Collected: 04/12/12 11:30
Date Received: 04/13/12
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 04/17/12 20:04
Cleanup Method1: EPA 3620B
Cleanup Date1: 04/18/12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab						
Delta-BHC	ND		ug/kg	1.83	0.358	1
Lindane	ND		ug/kg	0.761	0.340	1
Alpha-BHC	ND		ug/kg	0.761	0.216	1
Beta-BHC	ND		ug/kg	1.83	0.692	1
Heptachlor	ND		ug/kg	0.913	0.409	1
Aldrin	ND		ug/kg	1.83	0.643	1
Heptachlor epoxide	ND		ug/kg	3.42	1.03	1
Endrin	ND		ug/kg	0.761	0.312	1
Endrin ketone	ND		ug/kg	1.83	0.470	1
Dieldrin	ND		ug/kg	1.14	0.571	1
4,4'-DDE	ND		ug/kg	1.83	0.422	1
4,4'-DDD	ND		ug/kg	1.83	0.651	1
4,4'-DDT	ND		ug/kg	3.42	1.47	1
Endosulfan I	ND		ug/kg	1.83	0.431	1
Endosulfan II	ND		ug/kg	1.83	0.610	1
Endosulfan sulfate	ND		ug/kg	0.761	0.348	1
Methoxychlor	ND		ug/kg	3.42	1.06	1
Toxaphene	ND		ug/kg	34.2	9.59	1
trans-Chlordane	ND		ug/kg	2.28	0.603	1
Chlordane	ND		ug/kg	14.8	6.05	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	100		30-150	A
Decachlorobiphenyl	76		30-150	A
2,4,5,6-Tetrachloro-m-xylene	91		30-150	B
Decachlorobiphenyl	121		30-150	B

Project Name: Not Specified**Lab Number:** L1206522**Project Number:** Not Specified**Report Date:** 04/23/12**SAMPLE RESULTS**

Lab ID: L1206522-06
 Client ID: B-3 (8-10')
 Sample Location: 62N 9TH ST, BKLN, NY
 Matrix: Soil
 Analytical Method: 1,8081A
 Analytical Date: 04/18/12 17:06
 Analyst: SH
 Percent Solids: 85%

Date Collected: 04/12/12 10:50
 Date Received: 04/13/12
 Field Prep: Not Specified
 Extraction Method: EPA 3546
 Extraction Date: 04/17/12 20:04
 Cleanup Method1: EPA 3620B
 Cleanup Date1: 04/18/12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab						
Delta-BHC	ND		ug/kg	1.84	0.360	1
Lindane	ND		ug/kg	0.767	0.343	1
Alpha-BHC	ND		ug/kg	0.767	0.218	1
Beta-BHC	ND		ug/kg	1.84	0.698	1
Heptachlor	ND		ug/kg	0.920	0.413	1
Aldrin	ND		ug/kg	1.84	0.648	1
Heptachlor epoxide	ND		ug/kg	3.45	1.04	1
Endrin	ND		ug/kg	0.767	0.314	1
Endrin ketone	ND		ug/kg	1.84	0.474	1
Dieldrin	ND		ug/kg	1.15	0.575	1
4,4'-DDE	ND		ug/kg	1.84	0.426	1
4,4'-DDD	ND		ug/kg	1.84	0.656	1
4,4'-DDT	ND		ug/kg	3.45	1.48	1
Endosulfan I	ND		ug/kg	1.84	0.435	1
Endosulfan II	ND		ug/kg	1.84	0.615	1
Endosulfan sulfate	ND		ug/kg	0.767	0.350	1
Methoxychlor	ND		ug/kg	3.45	1.07	1
Toxaphene	ND		ug/kg	34.5	9.66	1
trans-Chlordane	ND		ug/kg	2.30	0.607	1
Chlordane	ND		ug/kg	15.0	6.10	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	108		30-150	A
Decachlorobiphenyl	85		30-150	A
2,4,5,6-Tetrachloro-m-xylene	97		30-150	B
Decachlorobiphenyl	125		30-150	B

Project Name: Not Specified**Lab Number:** L1206522**Project Number:** Not Specified**Report Date:** 04/23/12**SAMPLE RESULTS**

Lab ID: L1206522-07
 Client ID: GW-1
 Sample Location: 62N 9TH ST, BKLN, NY
 Matrix: Water
 Analytical Method: 1,8081A
 Analytical Date: 04/17/12 09:10
 Analyst: SH

Date Collected: 04/12/12 16:30
 Date Received: 04/13/12
 Field Prep: Not Specified
 Extraction Method: EPA 3510C
 Extraction Date: 04/14/12 14:20
 Cleanup Method1: EPA 3620B
 Cleanup Date1: 04/17/12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab						
Delta-BHC	ND		ug/l	0.023	0.005	1
Lindane	ND		ug/l	0.023	0.005	1
Alpha-BHC	ND		ug/l	0.023	0.005	1
Beta-BHC	ND		ug/l	0.023	0.006	1
Heptachlor	ND		ug/l	0.023	0.004	1
Aldrin	ND		ug/l	0.023	0.002	1
Heptachlor epoxide	ND		ug/l	0.023	0.005	1
Endrin	ND		ug/l	0.045	0.005	1
Endrin ketone	ND		ug/l	0.045	0.005	1
Dieldrin	ND		ug/l	0.045	0.005	1
4,4'-DDE	ND		ug/l	0.045	0.004	1
4,4'-DDD	ND		ug/l	0.045	0.005	1
4,4'-DDT	ND		ug/l	0.045	0.005	1
Endosulfan I	ND		ug/l	0.023	0.004	1
Endosulfan II	ND		ug/l	0.045	0.006	1
Endosulfan sulfate	ND		ug/l	0.045	0.005	1
Methoxychlor	ND		ug/l	0.227	0.008	1
Toxaphene	ND		ug/l	0.227	0.072	1
trans-Chlordane	ND		ug/l	0.023	0.007	1
Chlordane	ND		ug/l	0.227	0.053	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	94		30-150	A
Decachlorobiphenyl	60		30-150	A
2,4,5,6-Tetrachloro-m-xylene	81		30-150	B
Decachlorobiphenyl	100		30-150	B

Project Name: Not Specified**Lab Number:** L1206522**Project Number:** Not Specified**Report Date:** 04/23/12**SAMPLE RESULTS**

Lab ID: L1206522-08
 Client ID: GW-2
 Sample Location: 62N 9TH ST, BKLN, NY
 Matrix: Water
 Analytical Method: 1,8081A
 Analytical Date: 04/17/12 09:23
 Analyst: SH

Date Collected: 04/12/12 11:10
 Date Received: 04/13/12
 Field Prep: Not Specified
 Extraction Method: EPA 3510C
 Extraction Date: 04/14/12 14:20
 Cleanup Method1: EPA 3620B
 Cleanup Date1: 04/17/12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab						
Delta-BHC	ND		ug/l	0.022	0.005	1
Lindane	ND		ug/l	0.022	0.005	1
Alpha-BHC	ND		ug/l	0.022	0.005	1
Beta-BHC	ND		ug/l	0.022	0.006	1
Heptachlor	ND		ug/l	0.022	0.003	1
Aldrin	ND		ug/l	0.022	0.002	1
Heptachlor epoxide	ND		ug/l	0.022	0.005	1
Endrin	ND		ug/l	0.044	0.005	1
Endrin ketone	ND		ug/l	0.044	0.005	1
Dieldrin	0.033	J	ug/l	0.044	0.005	1
4,4'-DDE	ND		ug/l	0.044	0.004	1
4,4'-DDD	ND		ug/l	0.044	0.005	1
4,4'-DDT	ND		ug/l	0.044	0.005	1
Endosulfan I	ND		ug/l	0.022	0.004	1
Endosulfan II	ND		ug/l	0.044	0.006	1
Endosulfan sulfate	ND		ug/l	0.044	0.005	1
Methoxychlor	ND		ug/l	0.217	0.007	1
Toxaphene	ND		ug/l	0.217	0.069	1
trans-Chlordane	ND		ug/l	0.022	0.007	1
Chlordane	ND		ug/l	0.217	0.050	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	89		30-150	A
Decachlorobiphenyl	43		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	89		30-150	B

Project Name: Not Specified**Lab Number:** L1206522**Project Number:** Not Specified**Report Date:** 04/23/12**SAMPLE RESULTS**

Lab ID: L1206522-09
 Client ID: FB-1
 Sample Location: 62N 9TH ST, BKLN, NY
 Matrix: Water
 Analytical Method: 1,8081A
 Analytical Date: 04/17/12 09:36
 Analyst: SH

Date Collected: 04/12/12 14:00
 Date Received: 04/13/12
 Field Prep: Not Specified
 Extraction Method: EPA 3510C
 Extraction Date: 04/14/12 14:20
 Cleanup Method1: EPA 3620B
 Cleanup Date1: 04/17/12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab						
Delta-BHC	ND		ug/l	0.022	0.005	1
Lindane	ND		ug/l	0.022	0.005	1
Alpha-BHC	ND		ug/l	0.022	0.005	1
Beta-BHC	ND		ug/l	0.022	0.006	1
Heptachlor	ND		ug/l	0.022	0.003	1
Aldrin	ND		ug/l	0.022	0.002	1
Heptachlor epoxide	ND		ug/l	0.022	0.005	1
Endrin	ND		ug/l	0.044	0.005	1
Endrin ketone	ND		ug/l	0.044	0.005	1
Dieldrin	ND		ug/l	0.044	0.005	1
4,4'-DDE	ND		ug/l	0.044	0.004	1
4,4'-DDD	ND		ug/l	0.044	0.005	1
4,4'-DDT	ND		ug/l	0.044	0.005	1
Endosulfan I	ND		ug/l	0.022	0.004	1
Endosulfan II	ND		ug/l	0.044	0.006	1
Endosulfan sulfate	ND		ug/l	0.044	0.005	1
Methoxychlor	ND		ug/l	0.217	0.007	1
Toxaphene	ND		ug/l	0.217	0.069	1
trans-Chlordane	ND		ug/l	0.022	0.007	1
Chlordane	ND		ug/l	0.217	0.050	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	105		30-150	A
Decachlorobiphenyl	63		30-150	A
2,4,5,6-Tetrachloro-m-xylene	92		30-150	B
Decachlorobiphenyl	133		30-150	B

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L1206522
Report Date: 04/23/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081A
Analytical Date: 04/17/12 09:49
Analyst: SH

Extraction Method: EPA 3510C
Extraction Date: 04/14/12 14:20
Cleanup Method1: EPA 3620B
Cleanup Date1: 04/17/12

Parameter	Result	Qualifier	Units	RL	MDL
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 07-09 Batch: WG529188-1					
Delta-BHC	ND		ug/l	0.020	0.005
Lindane	ND		ug/l	0.020	0.004
Alpha-BHC	ND		ug/l	0.020	0.004
Beta-BHC	ND		ug/l	0.020	0.006
Heptachlor	ND		ug/l	0.020	0.003
Aldrin	ND		ug/l	0.020	0.002
Heptachlor epoxide	ND		ug/l	0.020	0.004
Endrin	ND		ug/l	0.040	0.004
Endrin ketone	ND		ug/l	0.040	0.005
Dieldrin	ND		ug/l	0.040	0.004
4,4'-DDE	ND		ug/l	0.040	0.004
4,4'-DDD	ND		ug/l	0.040	0.005
4,4'-DDT	ND		ug/l	0.040	0.004
Endosulfan I	ND		ug/l	0.020	0.003
Endosulfan II	ND		ug/l	0.040	0.005
Endosulfan sulfate	ND		ug/l	0.040	0.005
Methoxychlor	ND		ug/l	0.200	0.007
Toxaphene	ND		ug/l	0.200	0.063
trans-Chlordane	ND		ug/l	0.020	0.006
Chlordane	ND		ug/l	0.200	0.046

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	97		30-150	A
Decachlorobiphenyl	106		30-150	A
2,4,5,6-Tetrachloro-m-xylene	85		30-150	B
Decachlorobiphenyl	172	Q	30-150	B

Project Name: Not Specified

Lab Number: L1206522

Project Number: Not Specified

Report Date: 04/23/12

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081A
 Analytical Date: 04/18/12 17:19
 Analyst: SH

Extraction Method: EPA 3546
 Extraction Date: 04/17/12 20:04
 Cleanup Method1: EPA 3620B
 Cleanup Date1: 04/18/12

Parameter	Result	Qualifier	Units	RL	MDL
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-06 Batch: WG529819-1					
Delta-BHC	ND		ug/kg	1.58	0.309
Lindane	ND		ug/kg	0.658	0.294
Alpha-BHC	ND		ug/kg	0.658	0.187
Beta-BHC	ND		ug/kg	1.58	0.599
Heptachlor	ND		ug/kg	0.789	0.354
Aldrin	ND		ug/kg	1.58	0.556
Heptachlor epoxide	ND		ug/kg	2.96	0.888
Endrin	ND		ug/kg	0.658	0.270
Endrin ketone	ND		ug/kg	1.58	0.406
Dieldrin	ND		ug/kg	0.987	0.493
4,4'-DDE	ND		ug/kg	1.58	0.365
4,4'-DDD	ND		ug/kg	1.58	0.563
4,4'-DDT	ND		ug/kg	2.96	1.27
Endosulfan I	ND		ug/kg	1.58	0.373
Endosulfan II	ND		ug/kg	1.58	0.528
Endosulfan sulfate	ND		ug/kg	0.658	0.301
Methoxychlor	ND		ug/kg	2.96	0.921
Toxaphene	ND		ug/kg	29.6	8.29
trans-Chlordane	ND		ug/kg	1.97	0.521
Chlordane	ND		ug/kg	12.8	5.23

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	108		30-150	A
Decachlorobiphenyl	84		30-150	A
2,4,5,6-Tetrachloro-m-xylene	97		30-150	B
Decachlorobiphenyl	132		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Lab Number: L1206522

Project Number: Not Specified

Report Date: 04/23/12

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 07-09 Batch: WG529188-2 WG529188-3								
Delta-BHC	69		77		30-150	11		20
Lindane	73		80		30-150	10		20
Alpha-BHC	80		86		30-150	6		20
Beta-BHC	71		79		30-150	10		20
Heptachlor	67		74		30-150	10		20
Aldrin	69		75		30-150	9		20
Heptachlor epoxide	80		88		30-150	9		20
Endrin	97		104		30-150	7		20
Endrin ketone	78		90		30-150	14		20
Dieldrin	89		97		30-150	8		20
4,4'-DDE	88		96		30-150	8		20
4,4'-DDD	84		97		30-150	14		20
4,4'-DDT	76		87		30-150	13		20
Endosulfan I	89		94		30-150	6		20
Endosulfan II	90		100		30-150	10		20
Endosulfan sulfate	92		103		30-150	11		20
Methoxychlor	80		91		30-150	13		20
trans-Chlordane	78		85		30-150	9		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Lab Number: L1206522

Project Number: Not Specified

Report Date: 04/23/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 07-09 Batch: WG529188-2 WG529188-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		77		30-150	A
Decachlorobiphenyl	55		73		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		69		30-150	B
Decachlorobiphenyl	118		124		30-150	B

Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-06 Batch: WG529819-2 WG529819-3

Delta-BHC	96		92		30-150	4	30
Lindane	101		92		30-150	9	30
Alpha-BHC	102		95		30-150	7	30
Beta-BHC	115		105		30-150	9	30
Heptachlor	101		96		30-150	5	30
Aldrin	99		96		30-150	3	30
Heptachlor epoxide	93		94		30-150	1	30
Endrin	103		107		30-150	4	30
Endrin ketone	84		85		30-150	1	30

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L1206522
Report Date: 04/23/12

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-06 Batch: WG529819-2 WG529819-3								
Dieldrin	96		99		30-150	3		30
4,4'-DDE	95		95		30-150	0		30
4,4'-DDD	93		95		30-150	2		30
4,4'-DDT	91		96		30-150	5		30
Endosulfan I	97		97		30-150	0		30
Endosulfan II	94		102		30-150	8		30
Endosulfan sulfate	115		119		30-150	3		30
Methoxychlor	85		93		30-150	9		30
trans-Chlordane	94		94		30-150	0		30

Surrogate	LCS		LCSD		Acceptance Criteria	Column
	%Recovery	Qual	%Recovery	Qual		
2,4,5,6-Tetrachloro-m-xylene	101		98		30-150	A
Decachlorobiphenyl	81		72		30-150	A
2,4,5,6-Tetrachloro-m-xylene	93		89		30-150	B
Decachlorobiphenyl	124		115		30-150	B

METALS

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L1206522
Report Date: 04/23/12

SAMPLE RESULTS

Lab ID: L1206522-01
 Client ID: B-1 (0-2')
 Sample Location: 62N 9TH ST, BKLN, NY
 Matrix: Soil
 Percent Solids: 97%

Date Collected: 04/12/12 13:20
 Date Received: 04/13/12
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	4300		mg/kg	7.8	1.7	2	04/19/12 12:10	04/20/12 09:49	EPA 3050B	1,6010B	MG
Antimony, Total	ND		mg/kg	3.9	0.75	2	04/19/12 12:10	04/20/12 09:49	EPA 3050B	1,6010B	MG
Arsenic, Total	0.98		mg/kg	0.78	0.27	2	04/19/12 12:10	04/20/12 09:49	EPA 3050B	1,6010B	MG
Barium, Total	20		mg/kg	0.78	0.07	2	04/19/12 12:10	04/20/12 09:49	EPA 3050B	1,6010B	MG
Beryllium, Total	0.27	J	mg/kg	0.39	0.03	2	04/19/12 12:10	04/20/12 09:49	EPA 3050B	1,6010B	MG
Cadmium, Total	ND		mg/kg	0.78	0.05	2	04/19/12 12:10	04/20/12 09:49	EPA 3050B	1,6010B	MG
Calcium, Total	1300		mg/kg	7.8	1.7	2	04/19/12 12:10	04/20/12 09:49	EPA 3050B	1,6010B	MG
Chromium, Total	8.8		mg/kg	0.78	0.16	2	04/19/12 12:10	04/20/12 09:49	EPA 3050B	1,6010B	MG
Cobalt, Total	3.5		mg/kg	1.6	0.17	2	04/19/12 12:10	04/20/12 09:49	EPA 3050B	1,6010B	MG
Copper, Total	10		mg/kg	0.78	0.36	2	04/19/12 12:10	04/20/12 09:49	EPA 3050B	1,6010B	MG
Iron, Total	8100		mg/kg	3.9	1.4	2	04/19/12 12:10	04/20/12 09:49	EPA 3050B	1,6010B	MG
Lead, Total	4.5		mg/kg	3.9	0.22	2	04/19/12 12:10	04/20/12 09:49	EPA 3050B	1,6010B	MG
Magnesium, Total	1600		mg/kg	7.8	3.5	2	04/19/12 12:10	04/20/12 09:49	EPA 3050B	1,6010B	MG
Manganese, Total	300		mg/kg	0.78	0.08	2	04/19/12 12:10	04/20/12 09:49	EPA 3050B	1,6010B	MG
Mercury, Total	0.02	J	mg/kg	0.08	0.02	1	04/18/12 11:30	04/19/12 09:26	EPA 7471A	1,7471A	KL
Nickel, Total	8.0		mg/kg	2.0	0.22	2	04/19/12 12:10	04/20/12 09:49	EPA 3050B	1,6010B	MG
Potassium, Total	1000		mg/kg	200	63.	2	04/19/12 12:10	04/20/12 09:49	EPA 3050B	1,6010B	MG
Selenium, Total	0.54	J	mg/kg	1.6	0.26	2	04/19/12 12:10	04/20/12 09:49	EPA 3050B	1,6010B	MG
Silver, Total	ND		mg/kg	0.78	0.13	2	04/19/12 12:10	04/20/12 09:49	EPA 3050B	1,6010B	MG
Sodium, Total	130	J	mg/kg	160	62.	2	04/19/12 12:10	04/20/12 09:49	EPA 3050B	1,6010B	MG
Thallium, Total	ND		mg/kg	1.6	0.49	2	04/19/12 12:10	04/20/12 09:49	EPA 3050B	1,6010B	MG
Vanadium, Total	13		mg/kg	0.78	0.17	2	04/19/12 12:10	04/20/12 09:49	EPA 3050B	1,6010B	MG
Zinc, Total	31		mg/kg	3.9	0.42	2	04/19/12 12:10	04/20/12 09:49	EPA 3050B	1,6010B	MG



Project Name: Not Specified
Project Number: Not Specified

Lab Number: L1206522
Report Date: 04/23/12

SAMPLE RESULTS

Lab ID: L1206522-02
 Client ID: B-1 (6-8')
 Sample Location: 62N 9TH ST, BKLN, NY
 Matrix: Soil
 Percent Solids: 97%

Date Collected: 04/12/12 14:30
 Date Received: 04/13/12
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	3200		mg/kg	7.8	1.7	2	04/19/12 12:10	04/20/12 09:51	EPA 3050B	1,6010B	MG
Antimony, Total	ND		mg/kg	3.9	0.74	2	04/19/12 12:10	04/20/12 09:51	EPA 3050B	1,6010B	MG
Arsenic, Total	0.78		mg/kg	0.78	0.26	2	04/19/12 12:10	04/20/12 09:51	EPA 3050B	1,6010B	MG
Barium, Total	21		mg/kg	0.78	0.07	2	04/19/12 12:10	04/20/12 09:51	EPA 3050B	1,6010B	MG
Beryllium, Total	0.21	J	mg/kg	0.39	0.03	2	04/19/12 12:10	04/20/12 09:51	EPA 3050B	1,6010B	MG
Cadmium, Total	ND		mg/kg	0.78	0.05	2	04/19/12 12:10	04/20/12 09:51	EPA 3050B	1,6010B	MG
Calcium, Total	820		mg/kg	7.8	1.7	2	04/19/12 12:10	04/20/12 09:51	EPA 3050B	1,6010B	MG
Chromium, Total	6.9		mg/kg	0.78	0.16	2	04/19/12 12:10	04/20/12 09:51	EPA 3050B	1,6010B	MG
Cobalt, Total	3.4		mg/kg	1.6	0.17	2	04/19/12 12:10	04/20/12 09:51	EPA 3050B	1,6010B	MG
Copper, Total	9.8		mg/kg	0.78	0.36	2	04/19/12 12:10	04/20/12 09:51	EPA 3050B	1,6010B	MG
Iron, Total	6800		mg/kg	3.9	1.3	2	04/19/12 12:10	04/20/12 09:51	EPA 3050B	1,6010B	MG
Lead, Total	2.4	J	mg/kg	3.9	0.22	2	04/19/12 12:10	04/20/12 09:51	EPA 3050B	1,6010B	MG
Magnesium, Total	1400		mg/kg	7.8	3.5	2	04/19/12 12:10	04/20/12 09:51	EPA 3050B	1,6010B	MG
Manganese, Total	220		mg/kg	0.78	0.08	2	04/19/12 12:10	04/20/12 09:51	EPA 3050B	1,6010B	MG
Mercury, Total	ND		mg/kg	0.08	0.02	1	04/18/12 11:30	04/19/12 09:28	EPA 7471A	1,7471A	KL
Nickel, Total	6.5		mg/kg	1.9	0.22	2	04/19/12 12:10	04/20/12 09:51	EPA 3050B	1,6010B	MG
Potassium, Total	940		mg/kg	190	62.	2	04/19/12 12:10	04/20/12 09:51	EPA 3050B	1,6010B	MG
Selenium, Total	0.52	J	mg/kg	1.6	0.25	2	04/19/12 12:10	04/20/12 09:51	EPA 3050B	1,6010B	MG
Silver, Total	ND		mg/kg	0.78	0.13	2	04/19/12 12:10	04/20/12 09:51	EPA 3050B	1,6010B	MG
Sodium, Total	100	J	mg/kg	160	62.	2	04/19/12 12:10	04/20/12 09:51	EPA 3050B	1,6010B	MG
Thallium, Total	ND		mg/kg	1.6	0.48	2	04/19/12 12:10	04/20/12 09:51	EPA 3050B	1,6010B	MG
Vanadium, Total	10		mg/kg	0.78	0.17	2	04/19/12 12:10	04/20/12 09:51	EPA 3050B	1,6010B	MG
Zinc, Total	20		mg/kg	3.9	0.42	2	04/19/12 12:10	04/20/12 09:51	EPA 3050B	1,6010B	MG



Project Name: Not Specified
Project Number: Not Specified

Lab Number: L1206522
Report Date: 04/23/12

SAMPLE RESULTS

Lab ID: L1206522-03
 Client ID: B-2 (0-2')
 Sample Location: 62N 9TH ST, BKLN, NY
 Matrix: Soil
 Percent Solids: 94%

Date Collected: 04/12/12 12:00
 Date Received: 04/13/12
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	5600		mg/kg	8.2	1.8	2	04/19/12 12:10	04/20/12 09:54	EPA 3050B	1,6010B	MG
Antimony, Total	2.5	J	mg/kg	4.1	0.78	2	04/19/12 12:10	04/20/12 09:54	EPA 3050B	1,6010B	MG
Arsenic, Total	3.7		mg/kg	0.82	0.28	2	04/19/12 12:10	04/20/12 09:54	EPA 3050B	1,6010B	MG
Barium, Total	51		mg/kg	0.82	0.07	2	04/19/12 12:10	04/20/12 09:54	EPA 3050B	1,6010B	MG
Beryllium, Total	0.49		mg/kg	0.41	0.03	2	04/19/12 12:10	04/20/12 09:54	EPA 3050B	1,6010B	MG
Cadmium, Total	ND		mg/kg	0.82	0.05	2	04/19/12 12:10	04/20/12 09:54	EPA 3050B	1,6010B	MG
Calcium, Total	4000		mg/kg	8.2	1.8	2	04/19/12 12:10	04/20/12 09:54	EPA 3050B	1,6010B	MG
Chromium, Total	14		mg/kg	0.82	0.16	2	04/19/12 12:10	04/20/12 09:54	EPA 3050B	1,6010B	MG
Cobalt, Total	9.1		mg/kg	1.6	0.18	2	04/19/12 12:10	04/20/12 09:54	EPA 3050B	1,6010B	MG
Copper, Total	23		mg/kg	0.82	0.38	2	04/19/12 12:10	04/20/12 09:54	EPA 3050B	1,6010B	MG
Iron, Total	29000		mg/kg	4.1	1.4	2	04/19/12 12:10	04/20/12 09:54	EPA 3050B	1,6010B	MG
Lead, Total	10		mg/kg	4.1	0.23	2	04/19/12 12:10	04/20/12 09:54	EPA 3050B	1,6010B	MG
Magnesium, Total	1700		mg/kg	8.2	3.7	2	04/19/12 12:10	04/20/12 09:54	EPA 3050B	1,6010B	MG
Manganese, Total	570		mg/kg	0.82	0.08	2	04/19/12 12:10	04/20/12 09:54	EPA 3050B	1,6010B	MG
Mercury, Total	0.02	J	mg/kg	0.08	0.02	1	04/18/12 11:30	04/19/12 09:33	EPA 7471A	1,7471A	KL
Nickel, Total	12		mg/kg	2.0	0.23	2	04/19/12 12:10	04/20/12 09:54	EPA 3050B	1,6010B	MG
Potassium, Total	980		mg/kg	200	65.	2	04/19/12 12:10	04/20/12 09:54	EPA 3050B	1,6010B	MG
Selenium, Total	1.6		mg/kg	1.6	0.27	2	04/19/12 12:10	04/20/12 09:54	EPA 3050B	1,6010B	MG
Silver, Total	ND		mg/kg	0.82	0.13	2	04/19/12 12:10	04/20/12 09:54	EPA 3050B	1,6010B	MG
Sodium, Total	190		mg/kg	160	65.	2	04/19/12 12:10	04/20/12 09:54	EPA 3050B	1,6010B	MG
Thallium, Total	0.90	J	mg/kg	1.6	0.51	2	04/19/12 12:10	04/20/12 09:54	EPA 3050B	1,6010B	MG
Vanadium, Total	31		mg/kg	0.82	0.18	2	04/19/12 12:10	04/20/12 09:54	EPA 3050B	1,6010B	MG
Zinc, Total	33		mg/kg	4.1	0.44	2	04/19/12 12:10	04/20/12 09:54	EPA 3050B	1,6010B	MG



Project Name: Not Specified
Project Number: Not Specified

Lab Number: L1206522
Report Date: 04/23/12

SAMPLE RESULTS

Lab ID: L1206522-04
 Client ID: B-2 (8-10')
 Sample Location: 62N 9TH ST, BKLN, NY
 Matrix: Soil
 Percent Solids: 85%

Date Collected: 04/12/12 12:20
 Date Received: 04/13/12
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	5100		mg/kg	8.9	2.0	2	04/19/12 12:10	04/20/12 09:56	EPA 3050B	1,6010B	MG
Antimony, Total	2.0	J	mg/kg	4.4	0.85	2	04/19/12 12:10	04/20/12 09:56	EPA 3050B	1,6010B	MG
Arsenic, Total	3.3		mg/kg	0.89	0.30	2	04/19/12 12:10	04/20/12 09:56	EPA 3050B	1,6010B	MG
Barium, Total	69		mg/kg	0.89	0.08	2	04/19/12 12:10	04/20/12 09:56	EPA 3050B	1,6010B	MG
Beryllium, Total	0.48		mg/kg	0.44	0.03	2	04/19/12 12:10	04/20/12 09:56	EPA 3050B	1,6010B	MG
Cadmium, Total	ND		mg/kg	0.89	0.06	2	04/19/12 12:10	04/20/12 09:56	EPA 3050B	1,6010B	MG
Calcium, Total	1100		mg/kg	8.9	1.9	2	04/19/12 12:10	04/20/12 09:56	EPA 3050B	1,6010B	MG
Chromium, Total	28		mg/kg	0.89	0.18	2	04/19/12 12:10	04/20/12 09:56	EPA 3050B	1,6010B	MG
Cobalt, Total	8.5		mg/kg	1.8	0.19	2	04/19/12 12:10	04/20/12 09:56	EPA 3050B	1,6010B	MG
Copper, Total	19		mg/kg	0.89	0.41	2	04/19/12 12:10	04/20/12 09:56	EPA 3050B	1,6010B	MG
Iron, Total	25000		mg/kg	4.4	1.5	2	04/19/12 12:10	04/20/12 09:56	EPA 3050B	1,6010B	MG
Lead, Total	6.9		mg/kg	4.4	0.25	2	04/19/12 12:10	04/20/12 09:56	EPA 3050B	1,6010B	MG
Magnesium, Total	1400		mg/kg	8.9	4.0	2	04/19/12 12:10	04/20/12 09:56	EPA 3050B	1,6010B	MG
Manganese, Total	790		mg/kg	0.89	0.09	2	04/19/12 12:10	04/20/12 09:56	EPA 3050B	1,6010B	MG
Mercury, Total	0.02	J	mg/kg	0.08	0.02	1	04/18/12 11:30	04/19/12 09:35	EPA 7471A	1,7471A	KL
Nickel, Total	12		mg/kg	2.2	0.25	2	04/19/12 12:10	04/20/12 09:56	EPA 3050B	1,6010B	MG
Potassium, Total	920		mg/kg	220	71.	2	04/19/12 12:10	04/20/12 09:56	EPA 3050B	1,6010B	MG
Selenium, Total	1.5	J	mg/kg	1.8	0.29	2	04/19/12 12:10	04/20/12 09:56	EPA 3050B	1,6010B	MG
Silver, Total	ND		mg/kg	0.89	0.14	2	04/19/12 12:10	04/20/12 09:56	EPA 3050B	1,6010B	MG
Sodium, Total	130	J	mg/kg	180	71.	2	04/19/12 12:10	04/20/12 09:56	EPA 3050B	1,6010B	MG
Thallium, Total	0.83	J	mg/kg	1.8	0.55	2	04/19/12 12:10	04/20/12 09:56	EPA 3050B	1,6010B	MG
Vanadium, Total	32		mg/kg	0.89	0.20	2	04/19/12 12:10	04/20/12 09:56	EPA 3050B	1,6010B	MG
Zinc, Total	28		mg/kg	4.4	0.48	2	04/19/12 12:10	04/20/12 09:56	EPA 3050B	1,6010B	MG



Project Name: Not Specified
Project Number: Not Specified

Lab Number: L1206522
Report Date: 04/23/12

SAMPLE RESULTS

Lab ID: L1206522-05
 Client ID: B-3 (0-2')
 Sample Location: 62N 9TH ST, BKLN, NY
 Matrix: Soil
 Percent Solids: 86%

Date Collected: 04/12/12 11:30
 Date Received: 04/13/12
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	1700		mg/kg	8.8	2.0	2	04/19/12 12:10	04/20/12 10:07	EPA 3050B	1,6010B	MG
Antimony, Total	ND		mg/kg	4.4	0.84	2	04/19/12 12:10	04/20/12 10:07	EPA 3050B	1,6010B	MG
Arsenic, Total	0.51	J	mg/kg	0.88	0.30	2	04/19/12 12:10	04/20/12 10:07	EPA 3050B	1,6010B	MG
Barium, Total	7.9		mg/kg	0.88	0.07	2	04/19/12 12:10	04/20/12 10:07	EPA 3050B	1,6010B	MG
Beryllium, Total	0.18	J	mg/kg	0.44	0.03	2	04/19/12 12:10	04/20/12 10:07	EPA 3050B	1,6010B	MG
Cadmium, Total	ND		mg/kg	0.88	0.06	2	04/19/12 12:10	04/20/12 10:07	EPA 3050B	1,6010B	MG
Calcium, Total	220		mg/kg	8.8	1.9	2	04/19/12 12:10	04/20/12 10:07	EPA 3050B	1,6010B	MG
Chromium, Total	5.2		mg/kg	0.88	0.18	2	04/19/12 12:10	04/20/12 10:07	EPA 3050B	1,6010B	MG
Cobalt, Total	1.8		mg/kg	1.8	0.19	2	04/19/12 12:10	04/20/12 10:07	EPA 3050B	1,6010B	MG
Copper, Total	6.2		mg/kg	0.88	0.41	2	04/19/12 12:10	04/20/12 10:07	EPA 3050B	1,6010B	MG
Iron, Total	4200		mg/kg	4.4	1.5	2	04/19/12 12:10	04/20/12 10:07	EPA 3050B	1,6010B	MG
Lead, Total	2.3	J	mg/kg	4.4	0.25	2	04/19/12 12:10	04/20/12 10:07	EPA 3050B	1,6010B	MG
Magnesium, Total	460		mg/kg	8.8	4.0	2	04/19/12 12:10	04/20/12 10:07	EPA 3050B	1,6010B	MG
Manganese, Total	50		mg/kg	0.88	0.09	2	04/19/12 12:10	04/20/12 10:07	EPA 3050B	1,6010B	MG
Mercury, Total	ND		mg/kg	0.09	0.02	1	04/18/12 11:30	04/19/12 09:37	EPA 7471A	1,7471A	KL
Nickel, Total	3.6		mg/kg	2.2	0.25	2	04/19/12 12:10	04/20/12 10:07	EPA 3050B	1,6010B	MG
Potassium, Total	290		mg/kg	220	71.	2	04/19/12 12:10	04/20/12 10:07	EPA 3050B	1,6010B	MG
Selenium, Total	0.32	J	mg/kg	1.8	0.29	2	04/19/12 12:10	04/20/12 10:07	EPA 3050B	1,6010B	MG
Silver, Total	ND		mg/kg	0.88	0.14	2	04/19/12 12:10	04/20/12 10:07	EPA 3050B	1,6010B	MG
Sodium, Total	ND		mg/kg	180	70.	2	04/19/12 12:10	04/20/12 10:07	EPA 3050B	1,6010B	MG
Thallium, Total	ND		mg/kg	1.8	0.55	2	04/19/12 12:10	04/20/12 10:07	EPA 3050B	1,6010B	MG
Vanadium, Total	7.6		mg/kg	0.88	0.20	2	04/19/12 12:10	04/20/12 10:07	EPA 3050B	1,6010B	MG
Zinc, Total	8.8		mg/kg	4.4	0.48	2	04/19/12 12:10	04/20/12 10:07	EPA 3050B	1,6010B	MG



Project Name: Not Specified
Project Number: Not Specified

Lab Number: L1206522
Report Date: 04/23/12

SAMPLE RESULTS

Lab ID: L1206522-06
 Client ID: B-3 (8-10')
 Sample Location: 62N 9TH ST, BKLN, NY
 Matrix: Soil
 Percent Solids: 85%

Date Collected: 04/12/12 10:50
 Date Received: 04/13/12
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	2900		mg/kg	9.0	2.0	2	04/19/12 12:10	04/20/12 10:09	EPA 3050B	1,6010B	MG
Antimony, Total	1.5	J	mg/kg	4.5	0.86	2	04/19/12 12:10	04/20/12 10:09	EPA 3050B	1,6010B	MG
Arsenic, Total	1.3		mg/kg	0.90	0.31	2	04/19/12 12:10	04/20/12 10:09	EPA 3050B	1,6010B	MG
Barium, Total	18		mg/kg	0.90	0.08	2	04/19/12 12:10	04/20/12 10:09	EPA 3050B	1,6010B	MG
Beryllium, Total	0.33	J	mg/kg	0.45	0.03	2	04/19/12 12:10	04/20/12 10:09	EPA 3050B	1,6010B	MG
Cadmium, Total	ND		mg/kg	0.90	0.06	2	04/19/12 12:10	04/20/12 10:09	EPA 3050B	1,6010B	MG
Calcium, Total	500		mg/kg	9.0	2.0	2	04/19/12 12:10	04/20/12 10:09	EPA 3050B	1,6010B	MG
Chromium, Total	9.9		mg/kg	0.90	0.18	2	04/19/12 12:10	04/20/12 10:09	EPA 3050B	1,6010B	MG
Cobalt, Total	5.4		mg/kg	1.8	0.19	2	04/19/12 12:10	04/20/12 10:09	EPA 3050B	1,6010B	MG
Copper, Total	13		mg/kg	0.90	0.42	2	04/19/12 12:10	04/20/12 10:09	EPA 3050B	1,6010B	MG
Iron, Total	18000		mg/kg	4.5	1.6	2	04/19/12 12:10	04/20/12 10:09	EPA 3050B	1,6010B	MG
Lead, Total	4.5		mg/kg	4.5	0.25	2	04/19/12 12:10	04/20/12 10:09	EPA 3050B	1,6010B	MG
Magnesium, Total	940		mg/kg	9.0	4.0	2	04/19/12 12:10	04/20/12 10:09	EPA 3050B	1,6010B	MG
Manganese, Total	230		mg/kg	0.90	0.09	2	04/19/12 12:10	04/20/12 10:09	EPA 3050B	1,6010B	MG
Mercury, Total	ND		mg/kg	0.09	0.02	1	04/18/12 11:30	04/19/12 09:38	EPA 7471A	1,7471A	KL
Nickel, Total	6.2		mg/kg	2.2	0.25	2	04/19/12 12:10	04/20/12 10:09	EPA 3050B	1,6010B	MG
Potassium, Total	460		mg/kg	220	72.	2	04/19/12 12:10	04/20/12 10:09	EPA 3050B	1,6010B	MG
Selenium, Total	0.98	J	mg/kg	1.8	0.30	2	04/19/12 12:10	04/20/12 10:09	EPA 3050B	1,6010B	MG
Silver, Total	ND		mg/kg	0.90	0.15	2	04/19/12 12:10	04/20/12 10:09	EPA 3050B	1,6010B	MG
Sodium, Total	94	J	mg/kg	180	72.	2	04/19/12 12:10	04/20/12 10:09	EPA 3050B	1,6010B	MG
Thallium, Total	0.62	J	mg/kg	1.8	0.56	2	04/19/12 12:10	04/20/12 10:09	EPA 3050B	1,6010B	MG
Vanadium, Total	22		mg/kg	0.90	0.20	2	04/19/12 12:10	04/20/12 10:09	EPA 3050B	1,6010B	MG
Zinc, Total	26		mg/kg	4.5	0.49	2	04/19/12 12:10	04/20/12 10:09	EPA 3050B	1,6010B	MG



Project Name: Not Specified
Project Number: Not Specified

Lab Number: L1206522
Report Date: 04/23/12

SAMPLE RESULTS

Lab ID: L1206522-07
 Client ID: GW-1
 Sample Location: 62N 9TH ST, BKLN, NY
 Matrix: Water

Date Collected: 04/12/12 16:30
 Date Received: 04/13/12
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	38		mg/l	0.10	0.02	1	04/18/12 16:10	04/20/12 09:51	EPA 3005A	1,6010B	AI
Antimony, Total	0.0009	J	mg/l	0.0010	0.0001	1	04/18/12 16:10	04/19/12 13:35	EPA 3005A	1,6020	AK
Arsenic, Total	0.006		mg/l	0.005	0.003	1	04/18/12 16:10	04/20/12 09:51	EPA 3005A	1,6010B	AI
Barium, Total	0.296		mg/l	0.010	0.001	1	04/18/12 16:10	04/20/12 09:51	EPA 3005A	1,6010B	AI
Beryllium, Total	0.0035		mg/l	0.0005	0.0001	1	04/18/12 16:10	04/19/12 13:35	EPA 3005A	1,6020	AK
Cadmium, Total	ND		mg/l	0.005	0.001	1	04/18/12 16:10	04/20/12 09:51	EPA 3005A	1,6010B	AI
Calcium, Total	98		mg/l	0.10	0.02	1	04/18/12 16:10	04/20/12 09:51	EPA 3005A	1,6010B	AI
Chromium, Total	0.28		mg/l	0.01	0.002	1	04/18/12 16:10	04/20/12 09:51	EPA 3005A	1,6010B	AI
Cobalt, Total	0.049		mg/l	0.020	0.002	1	04/18/12 16:10	04/20/12 09:51	EPA 3005A	1,6010B	AI
Copper, Total	0.159		mg/l	0.010	0.005	1	04/18/12 16:10	04/20/12 09:51	EPA 3005A	1,6010B	AI
Iron, Total	110		mg/l	0.05	0.02	1	04/18/12 16:10	04/20/12 09:51	EPA 3005A	1,6010B	AI
Lead, Total	0.053		mg/l	0.010	0.003	1	04/18/12 16:10	04/20/12 09:51	EPA 3005A	1,6010B	AI
Magnesium, Total	27		mg/l	0.10	0.05	1	04/18/12 16:10	04/20/12 09:51	EPA 3005A	1,6010B	AI
Manganese, Total	4.43		mg/l	0.010	0.001	1	04/18/12 16:10	04/20/12 09:51	EPA 3005A	1,6010B	AI
Mercury, Total	0.0001	J	mg/l	0.0002	0.0001	1	04/17/12 15:15	04/18/12 10:07	EPA 7470A	1,7470A	AK
Nickel, Total	0.103		mg/l	0.025	0.003	1	04/18/12 16:10	04/20/12 09:51	EPA 3005A	1,6010B	AI
Potassium, Total	30		mg/l	2.5	0.80	1	04/18/12 16:10	04/20/12 09:51	EPA 3005A	1,6010B	AI
Selenium, Total	ND		mg/l	0.010	0.003	1	04/18/12 16:10	04/20/12 09:51	EPA 3005A	1,6010B	AI
Silver, Total	ND		mg/l	0.007	0.002	1	04/18/12 16:10	04/20/12 09:51	EPA 3005A	1,6010B	AI
Sodium, Total	34		mg/l	2.0	0.80	1	04/18/12 16:10	04/20/12 09:51	EPA 3005A	1,6010B	AI
Thallium, Total	0.0007		mg/l	0.0002	0.00003	1	04/18/12 16:10	04/19/12 13:35	EPA 3005A	1,6020	AK
Vanadium, Total	0.121		mg/l	0.010	0.002	1	04/18/12 16:10	04/20/12 09:51	EPA 3005A	1,6010B	AI
Zinc, Total	0.385		mg/l	0.050	0.005	1	04/18/12 16:10	04/20/12 09:51	EPA 3005A	1,6010B	AI
Dissolved Metals - Westborough Lab											
Aluminum, Dissolved	0.06	J	mg/l	0.10	0.02	1	04/18/12 19:40	04/20/12 10:06	EPA 3005A	1,6010B	AI
Antimony, Dissolved	0.0014		mg/l	0.0010	0.0001	1	04/18/12 19:40	04/19/12 12:51	EPA 3005A	1,6020	AK
Arsenic, Dissolved	ND		mg/l	0.005	0.003	1	04/18/12 19:40	04/20/12 10:06	EPA 3005A	1,6010B	AI
Barium, Dissolved	0.015		mg/l	0.010	0.001	1	04/18/12 19:40	04/20/12 10:06	EPA 3005A	1,6010B	AI
Beryllium, Dissolved	ND		mg/l	0.0005	0.0001	1	04/18/12 19:40	04/19/12 12:51	EPA 3005A	1,6020	AK
Cadmium, Dissolved	ND		mg/l	0.005	0.001	1	04/18/12 19:40	04/20/12 10:06	EPA 3005A	1,6010B	AI



Project Name: Not Specified
Project Number: Not Specified

Lab Number: L1206522
Report Date: 04/23/12

SAMPLE RESULTS

Lab ID: L1206522-07
 Client ID: GW-1
 Sample Location: 62N 9TH ST, BKLN, NY
 Matrix: Water

Date Collected: 04/12/12 16:30
 Date Received: 04/13/12
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Calcium, Dissolved	64		mg/l	0.10	0.02	1	04/18/12 19:40	04/20/12 10:06	EPA 3005A	1,6010B	AI
Chromium, Dissolved	0.005	J	mg/l	0.010	0.002	1	04/18/12 19:40	04/20/12 10:06	EPA 3005A	1,6010B	AI
Cobalt, Dissolved	ND		mg/l	0.020	0.002	1	04/18/12 19:40	04/20/12 10:06	EPA 3005A	1,6010B	AI
Copper, Dissolved	ND		mg/l	0.010	0.005	1	04/18/12 19:40	04/20/12 10:06	EPA 3005A	1,6010B	AI
Iron, Dissolved	0.07		mg/l	0.05	0.02	1	04/18/12 19:40	04/20/12 10:06	EPA 3005A	1,6010B	AI
Lead, Dissolved	ND		mg/l	0.010	0.003	1	04/18/12 19:40	04/20/12 10:06	EPA 3005A	1,6010B	AI
Magnesium, Dissolved	15		mg/l	0.10	0.05	1	04/18/12 19:40	04/20/12 10:06	EPA 3005A	1,6010B	AI
Manganese, Dissolved	0.494		mg/l	0.010	0.001	1	04/18/12 19:40	04/20/12 10:06	EPA 3005A	1,6010B	AI
Mercury, Dissolved	ND		mg/l	0.0002	0.0001	1	04/17/12 15:15	04/18/12 11:07	EPA 7470A	1,7470A	AK
Nickel, Dissolved	0.004	J	mg/l	0.025	0.003	1	04/18/12 19:40	04/20/12 10:06	EPA 3005A	1,6010B	AI
Potassium, Dissolved	20		mg/l	2.5	0.80	1	04/18/12 19:40	04/20/12 10:06	EPA 3005A	1,6010B	AI
Selenium, Dissolved	ND		mg/l	0.010	0.003	1	04/18/12 19:40	04/20/12 10:06	EPA 3005A	1,6010B	AI
Silver, Dissolved	ND		mg/l	0.007	0.002	1	04/18/12 19:40	04/20/12 10:06	EPA 3005A	1,6010B	AI
Sodium, Dissolved	31		mg/l	2.0	0.80	1	04/18/12 19:40	04/20/12 10:06	EPA 3005A	1,6010B	AI
Thallium, Dissolved	ND		mg/l	0.0002	0.00003	1	04/18/12 19:40	04/19/12 12:51	EPA 3005A	1,6020	AK
Vanadium, Dissolved	ND		mg/l	0.010	0.002	1	04/18/12 19:40	04/20/12 10:06	EPA 3005A	1,6010B	AI
Zinc, Dissolved	ND		mg/l	0.050	0.005	1	04/18/12 19:40	04/20/12 10:06	EPA 3005A	1,6010B	AI



Project Name: Not Specified
Project Number: Not Specified

Lab Number: L1206522
Report Date: 04/23/12

SAMPLE RESULTS

Lab ID: L1206522-08
 Client ID: GW-2
 Sample Location: 62N 9TH ST, BKLN, NY
 Matrix: Water

Date Collected: 04/12/12 11:10
 Date Received: 04/13/12
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	81		mg/l	0.10	0.02	1	04/18/12 16:10	04/20/12 09:54	EPA 3005A	1,6010B	AI
Antimony, Total	0.0007	J	mg/l	0.0010	0.0001	1	04/18/12 16:10	04/19/12 13:37	EPA 3005A	1,6020	AK
Arsenic, Total	0.006		mg/l	0.005	0.003	1	04/18/12 16:10	04/20/12 09:54	EPA 3005A	1,6010B	AI
Barium, Total	1.17		mg/l	0.010	0.001	1	04/18/12 16:10	04/20/12 09:54	EPA 3005A	1,6010B	AI
Beryllium, Total	0.0104		mg/l	0.0005	0.0001	1	04/18/12 16:10	04/19/12 13:37	EPA 3005A	1,6020	AK
Cadmium, Total	0.001	J	mg/l	0.005	0.001	1	04/18/12 16:10	04/20/12 09:54	EPA 3005A	1,6010B	AI
Calcium, Total	140		mg/l	0.10	0.02	1	04/18/12 16:10	04/20/12 09:54	EPA 3005A	1,6010B	AI
Chromium, Total	0.21		mg/l	0.01	0.002	1	04/18/12 16:10	04/20/12 09:54	EPA 3005A	1,6010B	AI
Cobalt, Total	0.180		mg/l	0.020	0.002	1	04/18/12 16:10	04/20/12 09:54	EPA 3005A	1,6010B	AI
Copper, Total	0.228		mg/l	0.010	0.005	1	04/18/12 16:10	04/20/12 09:54	EPA 3005A	1,6010B	AI
Iron, Total	280		mg/l	0.05	0.02	1	04/18/12 16:10	04/20/12 09:54	EPA 3005A	1,6010B	AI
Lead, Total	0.122		mg/l	0.010	0.003	1	04/18/12 16:10	04/20/12 09:54	EPA 3005A	1,6010B	AI
Magnesium, Total	57		mg/l	0.10	0.05	1	04/18/12 16:10	04/20/12 09:54	EPA 3005A	1,6010B	AI
Manganese, Total	16.7		mg/l	0.010	0.001	1	04/18/12 16:10	04/20/12 09:54	EPA 3005A	1,6010B	AI
Mercury, Total	0.0007		mg/l	0.0002	0.0001	1	04/19/12 14:30	04/20/12 10:35	EPA 7470A	1,7470A	KL
Nickel, Total	0.152		mg/l	0.025	0.003	1	04/18/12 16:10	04/20/12 09:54	EPA 3005A	1,6010B	AI
Potassium, Total	27		mg/l	2.5	0.80	1	04/18/12 16:10	04/20/12 09:54	EPA 3005A	1,6010B	AI
Selenium, Total	ND		mg/l	0.010	0.003	1	04/18/12 16:10	04/20/12 09:54	EPA 3005A	1,6010B	AI
Silver, Total	ND		mg/l	0.007	0.002	1	04/18/12 16:10	04/20/12 09:54	EPA 3005A	1,6010B	AI
Sodium, Total	48		mg/l	2.0	0.80	1	04/18/12 16:10	04/20/12 09:54	EPA 3005A	1,6010B	AI
Thallium, Total	0.0011		mg/l	0.0002	0.00003	1	04/18/12 16:10	04/19/12 13:37	EPA 3005A	1,6020	AK
Vanadium, Total	0.170		mg/l	0.010	0.002	1	04/18/12 16:10	04/20/12 09:54	EPA 3005A	1,6010B	AI
Zinc, Total	0.514		mg/l	0.050	0.005	1	04/18/12 16:10	04/20/12 09:54	EPA 3005A	1,6010B	AI
Dissolved Metals - Westborough Lab											
Aluminum, Dissolved	0.20		mg/l	0.10	0.02	1	04/18/12 19:40	04/20/12 10:40	EPA 3005A	1,6010B	AI
Antimony, Dissolved	0.0008	J	mg/l	0.0010	0.0001	1	04/18/12 19:40	04/19/12 13:06	EPA 3005A	1,6020	AK
Arsenic, Dissolved	ND		mg/l	0.005	0.003	1	04/18/12 19:40	04/20/12 10:40	EPA 3005A	1,6010B	AI
Barium, Dissolved	0.121		mg/l	0.010	0.001	1	04/18/12 19:40	04/20/12 10:40	EPA 3005A	1,6010B	AI
Beryllium, Dissolved	ND		mg/l	0.0005	0.0001	1	04/18/12 19:40	04/19/12 13:06	EPA 3005A	1,6020	AK
Cadmium, Dissolved	ND		mg/l	0.005	0.001	1	04/18/12 19:40	04/20/12 10:40	EPA 3005A	1,6010B	AI



Project Name: Not Specified
Project Number: Not Specified

Lab Number: L1206522
Report Date: 04/23/12

SAMPLE RESULTS

Lab ID: L1206522-08
 Client ID: GW-2
 Sample Location: 62N 9TH ST, BKLN, NY
 Matrix: Water

Date Collected: 04/12/12 11:10
 Date Received: 04/13/12
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Calcium, Dissolved	120		mg/l	0.10	0.02	1	04/18/12 19:40	04/20/12 10:40	EPA 3005A	1,6010B	AI
Chromium, Dissolved	ND		mg/l	0.01	0.002	1	04/18/12 19:40	04/20/12 10:40	EPA 3005A	1,6010B	AI
Cobalt, Dissolved	0.003	J	mg/l	0.020	0.002	1	04/18/12 19:40	04/20/12 10:40	EPA 3005A	1,6010B	AI
Copper, Dissolved	ND		mg/l	0.010	0.005	1	04/18/12 19:40	04/20/12 10:40	EPA 3005A	1,6010B	AI
Iron, Dissolved	0.86		mg/l	0.05	0.02	1	04/18/12 19:40	04/20/12 10:40	EPA 3005A	1,6010B	AI
Lead, Dissolved	ND		mg/l	0.010	0.003	1	04/18/12 19:40	04/20/12 10:40	EPA 3005A	1,6010B	AI
Magnesium, Dissolved	39		mg/l	0.10	0.05	1	04/18/12 19:40	04/20/12 10:40	EPA 3005A	1,6010B	AI
Manganese, Dissolved	1.52		mg/l	0.010	0.001	1	04/18/12 19:40	04/20/12 10:40	EPA 3005A	1,6010B	AI
Mercury, Dissolved	ND		mg/l	0.0002	0.0001	1	04/17/12 15:15	04/18/12 11:12	EPA 7470A	1,7470A	AK
Nickel, Dissolved	0.006	J	mg/l	0.025	0.003	1	04/18/12 19:40	04/20/12 10:40	EPA 3005A	1,6010B	AI
Potassium, Dissolved	17		mg/l	2.5	0.80	1	04/18/12 19:40	04/20/12 10:40	EPA 3005A	1,6010B	AI
Selenium, Dissolved	ND		mg/l	0.010	0.003	1	04/18/12 19:40	04/20/12 10:40	EPA 3005A	1,6010B	AI
Silver, Dissolved	ND		mg/l	0.007	0.002	1	04/18/12 19:40	04/20/12 10:40	EPA 3005A	1,6010B	AI
Sodium, Dissolved	46		mg/l	2.0	0.80	1	04/18/12 19:40	04/20/12 10:40	EPA 3005A	1,6010B	AI
Thallium, Dissolved	ND		mg/l	0.0002	0.00003	1	04/18/12 19:40	04/19/12 13:06	EPA 3005A	1,6020	AK
Vanadium, Dissolved	ND		mg/l	0.010	0.002	1	04/18/12 19:40	04/20/12 10:40	EPA 3005A	1,6010B	AI
Zinc, Dissolved	ND		mg/l	0.050	0.005	1	04/18/12 19:40	04/20/12 10:40	EPA 3005A	1,6010B	AI



Project Name: Not Specified
Project Number: Not Specified

Lab Number: L1206522
Report Date: 04/23/12

SAMPLE RESULTS

Lab ID: L1206522-09
 Client ID: FB-1
 Sample Location: 62N 9TH ST, BKLN, NY
 Matrix: Water

Date Collected: 04/12/12 14:00
 Date Received: 04/13/12
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	ND		mg/l	0.10	0.02	1	04/18/12 16:10	04/20/12 10:34	EPA 3005A	1,6010B	AI
Antimony, Total	0.0003	J	mg/l	0.0010	0.0001	1	04/18/12 16:10	04/19/12 13:40	EPA 3005A	1,6020	AK
Arsenic, Total	ND		mg/l	0.005	0.003	1	04/18/12 16:10	04/20/12 10:34	EPA 3005A	1,6010B	AI
Barium, Total	ND		mg/l	0.010	0.001	1	04/18/12 16:10	04/20/12 10:34	EPA 3005A	1,6010B	AI
Beryllium, Total	ND		mg/l	0.0005	0.0001	1	04/18/12 16:10	04/19/12 13:40	EPA 3005A	1,6020	AK
Cadmium, Total	ND		mg/l	0.005	0.001	1	04/18/12 16:10	04/20/12 10:34	EPA 3005A	1,6010B	AI
Calcium, Total	0.05	J	mg/l	0.10	0.02	1	04/18/12 16:10	04/20/12 10:34	EPA 3005A	1,6010B	AI
Chromium, Total	ND		mg/l	0.01	0.002	1	04/18/12 16:10	04/20/12 10:34	EPA 3005A	1,6010B	AI
Cobalt, Total	ND		mg/l	0.020	0.002	1	04/18/12 16:10	04/20/12 10:34	EPA 3005A	1,6010B	AI
Copper, Total	ND		mg/l	0.010	0.005	1	04/18/12 16:10	04/20/12 10:34	EPA 3005A	1,6010B	AI
Iron, Total	ND		mg/l	0.05	0.02	1	04/18/12 16:10	04/20/12 10:34	EPA 3005A	1,6010B	AI
Lead, Total	ND		mg/l	0.010	0.003	1	04/18/12 16:10	04/20/12 10:34	EPA 3005A	1,6010B	AI
Magnesium, Total	ND		mg/l	0.10	0.05	1	04/18/12 16:10	04/20/12 10:34	EPA 3005A	1,6010B	AI
Manganese, Total	ND		mg/l	0.010	0.001	1	04/18/12 16:10	04/20/12 10:34	EPA 3005A	1,6010B	AI
Mercury, Total	ND		mg/l	0.0002	0.0001	1	04/17/12 15:15	04/18/12 10:10	EPA 7470A	1,7470A	AK
Nickel, Total	ND		mg/l	0.025	0.003	1	04/18/12 16:10	04/20/12 10:34	EPA 3005A	1,6010B	AI
Potassium, Total	ND		mg/l	2.5	0.80	1	04/18/12 16:10	04/20/12 10:34	EPA 3005A	1,6010B	AI
Selenium, Total	ND		mg/l	0.010	0.003	1	04/18/12 16:10	04/20/12 10:34	EPA 3005A	1,6010B	AI
Silver, Total	ND		mg/l	0.007	0.002	1	04/18/12 16:10	04/20/12 10:34	EPA 3005A	1,6010B	AI
Sodium, Total	ND		mg/l	2.0	0.80	1	04/18/12 16:10	04/20/12 10:34	EPA 3005A	1,6010B	AI
Thallium, Total	ND		mg/l	0.0002	0.00003	1	04/18/12 16:10	04/19/12 13:40	EPA 3005A	1,6020	AK
Vanadium, Total	ND		mg/l	0.010	0.002	1	04/18/12 16:10	04/20/12 10:34	EPA 3005A	1,6010B	AI
Zinc, Total	0.012	J	mg/l	0.050	0.005	1	04/18/12 16:10	04/20/12 10:34	EPA 3005A	1,6010B	AI



Project Name: Not Specified
Project Number: Not Specified

Lab Number: L1206522
Report Date: 04/23/12

Method Blank Analysis Batch Quality Control

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Westborough Lab for sample(s): 07-08 Batch: WG529723-1									
Mercury, Dissolved	ND	mg/l	0.0002	0.0001	1	04/17/12 15:15	04/18/12 11:01	1,7470A	AK

Prep Information

Digestion Method: EPA 7470A

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 07,09 Batch: WG529726-1									
Mercury, Total	ND	mg/l	0.0002	0.0001	1	04/17/12 15:15	04/18/12 09:31	1,7470A	AK

Prep Information

Digestion Method: EPA 7470A

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-06 Batch: WG529899-1									
Mercury, Total	ND	mg/kg	0.08	0.02	1	04/18/12 11:30	04/19/12 09:11	1,7471A	KL

Prep Information

Digestion Method: EPA 7471A

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst	
Total Metals - Westborough Lab for sample(s): 07-09 Batch: WG530045-1										
Antimony, Total	0.0003	J	mg/l	0.0010	0.0001	1	04/18/12 16:10	04/19/12 13:09	1,6020	AK
Beryllium, Total	ND		mg/l	0.0005	0.0001	1	04/18/12 16:10	04/19/12 13:09	1,6020	AK
Thallium, Total	ND		mg/l	0.0002	0.00003	1	04/18/12 16:10	04/19/12 13:09	1,6020	AK

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L1206522
Report Date: 04/23/12

Method Blank Analysis Batch Quality Control

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 07-09 Batch: WG530047-1										
Aluminum, Total	ND		mg/l	0.10	0.02	1	04/18/12 16:10	04/20/12 09:15	1,6010B	AI
Arsenic, Total	ND		mg/l	0.005	0.003	1	04/18/12 16:10	04/20/12 09:15	1,6010B	AI
Barium, Total	ND		mg/l	0.010	0.001	1	04/18/12 16:10	04/20/12 09:15	1,6010B	AI
Cadmium, Total	ND		mg/l	0.005	0.001	1	04/18/12 16:10	04/20/12 09:15	1,6010B	AI
Calcium, Total	ND		mg/l	0.10	0.02	1	04/18/12 16:10	04/20/12 09:15	1,6010B	AI
Chromium, Total	ND		mg/l	0.01	0.002	1	04/18/12 16:10	04/20/12 09:15	1,6010B	AI
Cobalt, Total	ND		mg/l	0.020	0.002	1	04/18/12 16:10	04/20/12 09:15	1,6010B	AI
Copper, Total	ND		mg/l	0.010	0.005	1	04/18/12 16:10	04/20/12 09:15	1,6010B	AI
Iron, Total	ND		mg/l	0.05	0.02	1	04/18/12 16:10	04/20/12 09:15	1,6010B	AI
Lead, Total	ND		mg/l	0.010	0.003	1	04/18/12 16:10	04/20/12 09:15	1,6010B	AI
Magnesium, Total	ND		mg/l	0.10	0.05	1	04/18/12 16:10	04/20/12 09:15	1,6010B	AI
Manganese, Total	ND		mg/l	0.010	0.001	1	04/18/12 16:10	04/20/12 09:15	1,6010B	AI
Nickel, Total	ND		mg/l	0.025	0.003	1	04/18/12 16:10	04/20/12 09:15	1,6010B	AI
Potassium, Total	ND		mg/l	2.5	0.80	1	04/18/12 16:10	04/20/12 09:15	1,6010B	AI
Selenium, Total	ND		mg/l	0.010	0.003	1	04/18/12 16:10	04/20/12 09:15	1,6010B	AI
Silver, Total	ND		mg/l	0.007	0.002	1	04/18/12 16:10	04/20/12 09:15	1,6010B	AI
Sodium, Total	ND		mg/l	2.0	0.80	1	04/18/12 16:10	04/20/12 09:15	1,6010B	AI
Vanadium, Total	ND		mg/l	0.010	0.002	1	04/18/12 16:10	04/20/12 09:15	1,6010B	AI
Zinc, Total	ND		mg/l	0.050	0.005	1	04/18/12 16:10	04/20/12 09:15	1,6010B	AI

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Westborough Lab for sample(s): 07-08 Batch: WG530096-1										
Antimony, Dissolved	0.0010	J	mg/l	0.0010	0.0001	1	04/18/12 19:40	04/19/12 12:43	1,6020	AK
Beryllium, Dissolved	ND		mg/l	0.0005	0.0001	1	04/18/12 19:40	04/19/12 12:43	1,6020	AK
Thallium, Dissolved	ND		mg/l	0.0002	0.00003	1	04/18/12 19:40	04/19/12 12:43	1,6020	AK



Project Name: Not Specified
Project Number: Not Specified

Lab Number: L1206522
Report Date: 04/23/12

Method Blank Analysis Batch Quality Control

Prep Information

Digestion Method: EPA 3005A

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Westborough Lab for sample(s): 07-08 Batch: WG530098-1									
Aluminum, Dissolved	ND	mg/l	0.10	0.02	1	04/18/12 19:40	04/20/12 10:00	1,6010B	AI
Arsenic, Dissolved	ND	mg/l	0.005	0.003	1	04/18/12 19:40	04/20/12 10:00	1,6010B	AI
Barium, Dissolved	ND	mg/l	0.010	0.001	1	04/18/12 19:40	04/20/12 10:00	1,6010B	AI
Cadmium, Dissolved	ND	mg/l	0.005	0.001	1	04/18/12 19:40	04/20/12 10:00	1,6010B	AI
Calcium, Dissolved	ND	mg/l	0.10	0.02	1	04/18/12 19:40	04/20/12 10:00	1,6010B	AI
Chromium, Dissolved	ND	mg/l	0.01	0.002	1	04/18/12 19:40	04/20/12 10:00	1,6010B	AI
Cobalt, Dissolved	ND	mg/l	0.020	0.002	1	04/18/12 19:40	04/20/12 10:00	1,6010B	AI
Copper, Dissolved	ND	mg/l	0.010	0.005	1	04/18/12 19:40	04/20/12 10:00	1,6010B	AI
Iron, Dissolved	ND	mg/l	0.05	0.02	1	04/18/12 19:40	04/20/12 10:00	1,6010B	AI
Lead, Dissolved	ND	mg/l	0.010	0.003	1	04/18/12 19:40	04/20/12 10:00	1,6010B	AI
Magnesium, Dissolved	ND	mg/l	0.10	0.05	1	04/18/12 19:40	04/20/12 10:00	1,6010B	AI
Manganese, Dissolved	ND	mg/l	0.010	0.001	1	04/18/12 19:40	04/20/12 10:00	1,6010B	AI
Nickel, Dissolved	ND	mg/l	0.025	0.003	1	04/18/12 19:40	04/20/12 10:00	1,6010B	AI
Potassium, Dissolved	ND	mg/l	2.5	0.80	1	04/18/12 19:40	04/20/12 10:00	1,6010B	AI
Selenium, Dissolved	ND	mg/l	0.010	0.003	1	04/18/12 19:40	04/20/12 10:00	1,6010B	AI
Silver, Dissolved	ND	mg/l	0.007	0.002	1	04/18/12 19:40	04/20/12 10:00	1,6010B	AI
Sodium, Dissolved	ND	mg/l	2.0	0.80	1	04/18/12 19:40	04/20/12 10:00	1,6010B	AI
Vanadium, Dissolved	ND	mg/l	0.010	0.002	1	04/18/12 19:40	04/20/12 10:00	1,6010B	AI
Zinc, Dissolved	ND	mg/l	0.050	0.005	1	04/18/12 19:40	04/20/12 10:00	1,6010B	AI

Prep Information

Digestion Method: EPA 3005A

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 08 Batch: WG530251-1									
Mercury, Total	ND	mg/l	0.0002	0.0001	1	04/19/12 14:30	04/20/12 10:13	1,7470A	KL



Project Name: Not Specified
Project Number: Not Specified

Lab Number: L1206522
Report Date: 04/23/12

Method Blank Analysis Batch Quality Control

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-06 Batch: WG530259-1										
Aluminum, Total	ND		mg/kg	4.0	0.89	1	04/19/12 12:10	04/20/12 09:06	1,6010B	MG
Antimony, Total	ND		mg/kg	2.0	0.38	1	04/19/12 12:10	04/20/12 09:06	1,6010B	MG
Arsenic, Total	ND		mg/kg	0.40	0.14	1	04/19/12 12:10	04/20/12 09:06	1,6010B	MG
Barium, Total	ND		mg/kg	0.40	0.03	1	04/19/12 12:10	04/20/12 09:06	1,6010B	MG
Beryllium, Total	ND		mg/kg	0.20	0.01	1	04/19/12 12:10	04/20/12 09:06	1,6010B	MG
Cadmium, Total	ND		mg/kg	0.40	0.03	1	04/19/12 12:10	04/20/12 09:06	1,6010B	MG
Calcium, Total	1.4	J	mg/kg	4.0	0.87	1	04/19/12 12:10	04/20/12 09:06	1,6010B	MG
Chromium, Total	ND		mg/kg	0.40	0.08	1	04/19/12 12:10	04/20/12 09:06	1,6010B	MG
Cobalt, Total	ND		mg/kg	0.80	0.09	1	04/19/12 12:10	04/20/12 09:06	1,6010B	MG
Copper, Total	ND		mg/kg	0.40	0.18	1	04/19/12 12:10	04/20/12 09:06	1,6010B	MG
Iron, Total	ND		mg/kg	2.0	0.69	1	04/19/12 12:10	04/20/12 09:06	1,6010B	MG
Lead, Total	ND		mg/kg	2.0	0.11	1	04/19/12 12:10	04/20/12 09:06	1,6010B	MG
Magnesium, Total	ND		mg/kg	4.0	1.8	1	04/19/12 12:10	04/20/12 09:06	1,6010B	MG
Manganese, Total	ND		mg/kg	0.40	0.04	1	04/19/12 12:10	04/20/12 09:06	1,6010B	MG
Nickel, Total	ND		mg/kg	1.0	0.11	1	04/19/12 12:10	04/20/12 09:06	1,6010B	MG
Potassium, Total	ND		mg/kg	100	32.	1	04/19/12 12:10	04/20/12 09:06	1,6010B	MG
Selenium, Total	ND		mg/kg	0.80	0.13	1	04/19/12 12:10	04/20/12 09:06	1,6010B	MG
Silver, Total	ND		mg/kg	0.40	0.07	1	04/19/12 12:10	04/20/12 09:06	1,6010B	MG
Sodium, Total	ND		mg/kg	80	32.	1	04/19/12 12:10	04/20/12 09:06	1,6010B	MG
Thallium, Total	ND		mg/kg	0.80	0.25	1	04/19/12 12:10	04/20/12 09:06	1,6010B	MG
Vanadium, Total	ND		mg/kg	0.40	0.09	1	04/19/12 12:10	04/20/12 09:06	1,6010B	MG
Zinc, Total	ND		mg/kg	2.0	0.22	1	04/19/12 12:10	04/20/12 09:06	1,6010B	MG

Prep Information

Digestion Method: EPA 3050B



Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: Not Specified

Lab Number: L1206522

Report Date: 04/23/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 07-08 Batch: WG529723-2								
Mercury, Dissolved	110		-		70-130	-		
Total Metals - Westborough Lab Associated sample(s): 07,09 Batch: WG529726-2								
Mercury, Total	126	Q	-		80-120	-		
Total Metals - Westborough Lab Associated sample(s): 01-06 Batch: WG529899-2 SRM Lot Number: 0518-10-02								
Mercury, Total	117		-		67-133	-		
Total Metals - Westborough Lab Associated sample(s): 07-09 Batch: WG530045-2								
Antimony, Total	94		-		80-120	-		
Beryllium, Total	109		-		80-120	-		
Thallium, Total	104		-		80-120	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: Not Specified

Lab Number: L1206522

Report Date: 04/23/12

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 07-09 Batch: WG530047-2					
Aluminum, Total	105	-	80-120	-	
Arsenic, Total	113	-	80-120	-	
Barium, Total	106	-	80-120	-	
Cadmium, Total	110	-	80-120	-	
Calcium, Total	100	-	80-120	-	
Chromium, Total	105	-	80-120	-	
Cobalt, Total	104	-	80-120	-	
Copper, Total	106	-	80-120	-	
Iron, Total	100	-	80-120	-	
Lead, Total	106	-	80-120	-	
Magnesium, Total	100	-	80-120	-	
Manganese, Total	102	-	80-120	-	
Nickel, Total	103	-	80-120	-	
Potassium, Total	100	-	80-120	-	
Selenium, Total	113	-	80-120	-	
Silver, Total	108	-	80-120	-	
Sodium, Total	110	-	80-120	-	
Vanadium, Total	103	-	80-120	-	
Zinc, Total	103	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: Not Specified

Lab Number: L1206522

Report Date: 04/23/12

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 07-08 Batch: WG530096-2					
Antimony, Dissolved	94	-	80-120	-	
Beryllium, Dissolved	106	-	80-120	-	
Thallium, Dissolved	100	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L1206522
Report Date: 04/23/12

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 07-08 Batch: WG530098-2					
Aluminum, Dissolved	100	-	80-120	-	
Arsenic, Dissolved	110	-	80-120	-	
Barium, Dissolved	101	-	80-120	-	
Cadmium, Dissolved	106	-	80-120	-	
Calcium, Dissolved	98	-	80-120	-	
Chromium, Dissolved	100	-	80-120	-	
Cobalt, Dissolved	100	-	80-120	-	
Copper, Dissolved	101	-	80-120	-	
Iron, Dissolved	100	-	80-120	-	
Lead, Dissolved	102	-	80-120	-	
Magnesium, Dissolved	99	-	80-120	-	
Manganese, Dissolved	98	-	80-120	-	
Nickel, Dissolved	99	-	80-120	-	
Potassium, Dissolved	99	-	80-120	-	
Selenium, Dissolved	109	-	80-120	-	
Silver, Dissolved	103	-	80-120	-	
Sodium, Dissolved	100	-	80-120	-	
Vanadium, Dissolved	99	-	80-120	-	
Zinc, Dissolved	100	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L1206522
Report Date: 04/23/12

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 08 Batch: WG530251-2					
Mercury, Total	105	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Lab Number: L1206522

Project Number: Not Specified

Report Date: 04/23/12

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-06 Batch: WG530259-2					
Aluminum, Total	101	-	75-125	-	
Antimony, Total	94	-	75-125	-	
Arsenic, Total	101	-	75-125	-	
Barium, Total	94	-	75-125	-	
Beryllium, Total	97	-	75-125	-	
Cadmium, Total	100	-	75-125	-	
Calcium, Total	92	-	75-125	-	
Chromium, Total	94	-	75-125	-	
Cobalt, Total	94	-	75-125	-	
Copper, Total	97	-	75-125	-	
Iron, Total	96	-	75-125	-	
Lead, Total	95	-	75-125	-	
Magnesium, Total	94	-	75-125	-	
Manganese, Total	94	-	75-125	-	
Nickel, Total	94	-	75-125	-	
Potassium, Total	93	-	75-125	-	
Selenium, Total	97	-	75-125	-	
Silver, Total	99	-	75-125	-	
Sodium, Total	94	-	75-125	-	
Thallium, Total	97	-	75-125	-	
Vanadium, Total	94	-	75-125	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: Not Specified

Lab Number: L1206522

Report Date: 04/23/12

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-06 Batch: WG530259-2					
Zinc, Total	92	-	75-125	-	

Matrix Spike Analysis Batch Quality Control

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L1206522
Report Date: 04/23/12

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Qual	MSD Found	MSD %Recovery	MSD Qual	Recovery Limits	RPD	RPD Qual	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 07-08 QC Batch ID: WG529723-4 QC Sample: L1206522-07 Client ID: GW-1												
Mercury, Dissolved	ND	0.001	0.0012	125		-	-		70-130	-		20
Total Metals - Westborough Lab Associated sample(s): 07,09 QC Batch ID: WG529726-4 QC Sample: L1206307-01 Client ID: MS Sample												
Mercury, Total	ND	0.001	0.0013	134	Q	-	-		70-130	-		20
Total Metals - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG529899-4 QC Sample: L1206682-01 Client ID: MS Sample												
Mercury, Total	0.34	0.178	0.47	73		-	-		70-130	-		35
Total Metals - Westborough Lab Associated sample(s): 07-09 QC Batch ID: WG530045-4 QC Sample: L1206514-01 Client ID: MS Sample												
Antimony, Total	0.0006J	0.5	0.4556	91		-	-		80-120	-		20
Beryllium, Total	ND	0.05	0.0553	111		-	-		80-120	-		20
Thallium, Total	ND	0.12	0.1215	101		-	-		80-120	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L1206522
Report Date: 04/23/12

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 07-09 QC Batch ID: WG530047-4 QC Sample: L1206514-01 Client ID: MS Sample									
Aluminum, Total	ND	2	2.0	100	-	-	75-125	-	20
Arsenic, Total	ND	0.12	0.136	113	-	-	75-125	-	20
Barium, Total	0.041	2	2.10	103	-	-	75-125	-	20
Cadmium, Total	ND	0.051	0.054	107	-	-	75-125	-	20
Calcium, Total	39.	10	49	100	-	-	75-125	-	20
Chromium, Total	ND	0.2	0.20	100	-	-	75-125	-	20
Cobalt, Total	ND	0.5	0.500	100	-	-	75-125	-	20
Copper, Total	ND	0.25	0.254	102	-	-	75-125	-	20
Iron, Total	ND	1	1.0	100	-	-	75-125	-	20
Lead, Total	ND	0.51	0.522	102	-	-	75-125	-	20
Magnesium, Total	20.	10	30	100	-	-	75-125	-	20
Manganese, Total	ND	0.5	0.494	99	-	-	75-125	-	20
Nickel, Total	ND	0.5	0.496	99	-	-	75-125	-	20
Potassium, Total	1.3J	10	12	120	-	-	75-125	-	20
Selenium, Total	ND	0.12	0.135	112	-	-	75-125	-	20
Silver, Total	ND	0.05	0.051	103	-	-	75-125	-	20
Sodium, Total	10.	10	21	110	-	-	75-125	-	20
Vanadium, Total	ND	0.5	0.499	100	-	-	75-125	-	20
Zinc, Total	0.037J	0.5	0.536	107	-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L1206522
Report Date: 04/23/12

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 07-08 QC Batch ID: WG530096-4 QC Sample: L1206522-07 Client ID: GW-1									
Antimony, Dissolved	0.0014	0.5	0.5129	102	-	-	80-120	-	20
Beryllium, Dissolved	ND	0.05	0.0548	110	-	-	80-120	-	20
Thallium, Dissolved	ND	0.12	0.1222	102	-	-	80-120	-	20

Matrix Spike Analysis Batch Quality Control

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L1206522
Report Date: 04/23/12

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 07-08 QC Batch ID: WG530098-4 QC Sample: L1206522-07 Client ID: GW-1									
Aluminum, Dissolved	0.06J	2	2.1	105	-	-	75-125	-	20
Arsenic, Dissolved	ND	0.12	0.138	115	-	-	75-125	-	20
Barium, Dissolved	0.015	2	2.08	103	-	-	75-125	-	20
Cadmium, Dissolved	ND	0.051	0.055	107	-	-	75-125	-	20
Calcium, Dissolved	64.	10	74	100	-	-	75-125	-	20
Chromium, Dissolved	0.005J	0.2	0.20	100	-	-	75-125	-	20
Cobalt, Dissolved	ND	0.5	0.504	101	-	-	75-125	-	20
Copper, Dissolved	ND	0.25	0.258	103	-	-	75-125	-	20
Iron, Dissolved	0.07	1	1.1	103	-	-	75-125	-	20
Lead, Dissolved	ND	0.51	0.522	102	-	-	75-125	-	20
Magnesium, Dissolved	15.	10	25	100	-	-	75-125	-	20
Manganese, Dissolved	0.494	0.5	0.997	101	-	-	75-125	-	20
Nickel, Dissolved	0.004J	0.5	0.500	100	-	-	75-125	-	20
Potassium, Dissolved	20.	10	30	100	-	-	75-125	-	20
Selenium, Dissolved	ND	0.12	0.135	112	-	-	75-125	-	20
Silver, Dissolved	ND	0.05	0.053	106	-	-	75-125	-	20
Sodium, Dissolved	31.	10	41	100	-	-	75-125	-	20
Vanadium, Dissolved	ND	0.5	0.512	102	-	-	75-125	-	20
Zinc, Dissolved	ND	0.5	0.502	100	-	-	75-125	-	20
Total Metals - Westborough Lab Associated sample(s): 08 QC Batch ID: WG530251-4 QC Sample: L1206767-02 Client ID: MS Sample									
Mercury, Total	ND	0.001	0.0014	142	Q	-	70-130	-	20

Matrix Spike Analysis Batch Quality Control

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L1206522
Report Date: 04/23/12

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG530259-4 QC Sample: L1205897-01 Client ID: MS Sample									
Aluminum, Total	7600	184	7100	0	Q	-	75-125	-	35
Antimony, Total	1.4J	46	22	48	Q	-	75-125	-	35
Arsenic, Total	12.	11	27	136	Q	-	75-125	-	35
Barium, Total	34.	184	200	90		-	75-125	-	35
Beryllium, Total	0.26J	4.6	4.4	96		-	75-125	-	35
Cadmium, Total	0.27J	4.7	4.5	96		-	75-125	-	35
Calcium, Total	3300	921	3400	11	Q	-	75-125	-	35
Chromium, Total	25.	18.4	37	65	Q	-	75-125	-	35
Cobalt, Total	4.6	46	45	88		-	75-125	-	35
Copper, Total	37.	23	51	61	Q	-	75-125	-	35
Iron, Total	12000	92.1	10000	0	Q	-	75-125	-	35
Lead, Total	39.	47	72	70	Q	-	75-125	-	35
Magnesium, Total	3700	921	3600	0	Q	-	75-125	-	35
Manganese, Total	160	46	170	22	Q	-	75-125	-	35
Nickel, Total	17.	46	54	80		-	75-125	-	35
Potassium, Total	1600	921	2200	65	Q	-	75-125	-	35
Selenium, Total	0.95J	11	10	90		-	75-125	-	35
Silver, Total	ND	27.6	24	87		-	75-125	-	35
Sodium, Total	2800	921	3000	22	Q	-	75-125	-	35
Thallium, Total	0.63J	11	10	90		-	75-125	-	35
Vanadium, Total	21.	46	59	82		-	75-125	-	35

Matrix Spike Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L1206522
Report Date: 04/23/12

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG530259-4 QC Sample: L1205897-01 Client ID: MS Sample									
Zinc, Total	92.	46	120	61	Q	-	75-125	-	35

Lab Duplicate Analysis

Batch Quality Control

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L1206522
Report Date: 04/23/12

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 07-08 QC Batch ID: WG529723-3 QC Sample: L1206522-07 Client ID: GW-1						
Mercury, Dissolved	ND	ND	mg/l	NC		20
Total Metals - Westborough Lab Associated sample(s): 07,09 QC Batch ID: WG529726-3 QC Sample: L1206307-01 Client ID: DUP Sample						
Mercury, Total	ND	ND	mg/l	NC		20
Total Metals - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG529899-3 QC Sample: L1206682-01 Client ID: DUP Sample						
Mercury, Total	0.34	0.35	mg/kg	3		35
Total Metals - Westborough Lab Associated sample(s): 07-09 QC Batch ID: WG530045-3 QC Sample: L1206514-01 Client ID: DUP Sample						
Antimony, Total	0.0006J	0.0005J	mg/l	NC		20
Beryllium, Total	ND	ND	mg/l	NC		20
Thallium, Total	ND	ND	mg/l	NC		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L1206522
Report Date: 04/23/12

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 07-09 QC Batch ID: WG530047-3 QC Sample: L1206514-01 Client ID: DUP Sample					
Aluminum, Total	ND	ND	mg/l	NC	20
Arsenic, Total	ND	ND	mg/l	NC	20
Barium, Total	0.041	0.042	mg/l	2	20
Cadmium, Total	ND	ND	mg/l	NC	20
Calcium, Total	39.	40	mg/l	3	20
Chromium, Total	ND	ND	mg/l	NC	20
Cobalt, Total	ND	ND	mg/l	NC	20
Copper, Total	ND	ND	mg/l	NC	20
Iron, Total	ND	0.02J	mg/l	NC	20
Lead, Total	ND	ND	mg/l	NC	20
Magnesium, Total	20.	21	mg/l	5	20
Manganese, Total	ND	ND	mg/l	NC	20
Nickel, Total	ND	ND	mg/l	NC	20
Potassium, Total	1.3J	1.4J	mg/l	NC	20
Selenium, Total	ND	ND	mg/l	NC	20
Silver, Total	ND	ND	mg/l	NC	20
Sodium, Total	10.	11	mg/l	10	20
Vanadium, Total	ND	ND	mg/l	NC	20
Zinc, Total	0.037J	0.037J	mg/l	NC	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L1206522
Report Date: 04/23/12

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 07-08 QC Batch ID: WG530096-3 QC Sample: L1206522-07 Client ID: GW-1					
Antimony, Dissolved	0.0014	0.0008J	mg/l	NC	20
Beryllium, Dissolved	ND	ND	mg/l	NC	20
Thallium, Dissolved	ND	ND	mg/l	NC	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L1206522
Report Date: 04/23/12

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 07-08 QC Batch ID: WG530098-3 QC Sample: L1206522-07 Client ID: GW-1					
Aluminum, Dissolved	0.06J	0.05J	mg/l	NC	20
Arsenic, Dissolved	ND	ND	mg/l	NC	20
Barium, Dissolved	0.015	0.015	mg/l	0	20
Cadmium, Dissolved	ND	ND	mg/l	NC	20
Calcium, Dissolved	64.	65	mg/l	2	20
Chromium, Dissolved	0.005J	0.005J	mg/l	NC	20
Cobalt, Dissolved	ND	ND	mg/l	NC	20
Copper, Dissolved	ND	ND	mg/l	NC	20
Iron, Dissolved	0.07	0.08	mg/l	7	20
Lead, Dissolved	ND	ND	mg/l	NC	20
Magnesium, Dissolved	15.	16	mg/l	6	20
Manganese, Dissolved	0.494	0.504	mg/l	2	20
Nickel, Dissolved	0.004J	0.004J	mg/l	NC	20
Potassium, Dissolved	20.	20	mg/l	0	20
Selenium, Dissolved	ND	ND	mg/l	NC	20
Silver, Dissolved	ND	ND	mg/l	NC	20
Sodium, Dissolved	31.	32	mg/l	3	20
Vanadium, Dissolved	ND	ND	mg/l	NC	20
Zinc, Dissolved	ND	ND	mg/l	NC	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L1206522
Report Date: 04/23/12

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 08 QC Batch ID: WG530251-3 QC Sample: L1206767-02 Client ID: DUP Sample					
Mercury, Total	ND	ND	mg/l	NC	20
Total Metals - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG530259-3 QC Sample: L1205897-01 Client ID: DUP Sample					
Arsenic, Total	12.	16	mg/kg	29	35
Cadmium, Total	0.27J	0.21J	mg/kg	NC	35
Chromium, Total	25.	23	mg/kg	8	35
Lead, Total	39.	44	mg/kg	12	35

INORGANICS & MISCELLANEOUS

Project Name: Not Specified

Lab Number: L1206522

Project Number: Not Specified

Report Date: 04/23/12

SAMPLE RESULTS

Lab ID: L1206522-01
 Client ID: B-1 (0-2')
 Sample Location: 62N 9TH ST, BKLN, NY
 Matrix: Soil

Date Collected: 04/12/12 13:20
 Date Received: 04/13/12
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	97		%	0.10	NA	1	-	04/14/12 17:30	30,2540G	DC



Project Name: Not Specified
Project Number: Not Specified

Lab Number: L1206522
Report Date: 04/23/12

SAMPLE RESULTS

Lab ID: L1206522-02
Client ID: B-1 (6-8')
Sample Location: 62N 9TH ST, BKLN, NY
Matrix: Soil

Date Collected: 04/12/12 14:30
Date Received: 04/13/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	97		%	0.10	NA	1	-	04/14/12 17:30	30,2540G	DC



Project Name: Not Specified
Project Number: Not Specified

Lab Number: L1206522
Report Date: 04/23/12

SAMPLE RESULTS

Lab ID: L1206522-03
Client ID: B-2 (0-2')
Sample Location: 62N 9TH ST, BKLN, NY
Matrix: Soil

Date Collected: 04/12/12 12:00
Date Received: 04/13/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	94		%	0.10	NA	1	-	04/14/12 17:30	30,2540G	DC



Project Name: Not Specified

Lab Number: L1206522

Project Number: Not Specified

Report Date: 04/23/12

SAMPLE RESULTS

Lab ID: L1206522-04

Date Collected: 04/12/12 12:20

Client ID: B-2 (8-10')

Date Received: 04/13/12

Sample Location: 62N 9TH ST, BKLN, NY

Field Prep: Not Specified

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85		%	0.10	NA	1	-	04/14/12 17:30	30,2540G	DC



Project Name: Not Specified
Project Number: Not Specified

Lab Number: L1206522
Report Date: 04/23/12

SAMPLE RESULTS

Lab ID: L1206522-05
Client ID: B-3 (0-2')
Sample Location: 62N 9TH ST, BKLN, NY
Matrix: Soil

Date Collected: 04/12/12 11:30
Date Received: 04/13/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86		%	0.10	NA	1	-	04/14/12 17:30	30,2540G	DC



Project Name: Not Specified
Project Number: Not Specified

Lab Number: L1206522
Report Date: 04/23/12

SAMPLE RESULTS

Lab ID: L1206522-06
Client ID: B-3 (8-10')
Sample Location: 62N 9TH ST, BKLN, NY
Matrix: Soil

Date Collected: 04/12/12 10:50
Date Received: 04/13/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85		%	0.10	NA	1	-	04/14/12 17:30	30,2540G	DC



Lab Duplicate Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L1206522
Report Date: 04/23/12

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG529202-1 QC Sample: L1206505-01 Client ID: DUP Sample						
Solids, Total	90.	91	%	1		20

Project Name: Not Specified

Lab Number: L1206522

Project Number: Not Specified

Report Date: 04/23/12

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal

Cooler

A Absent
B Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1206522-01A	Vial Large unpreserved	A	N/A	5.7	Y	Absent	NYTCL-8260(14)
L1206522-01B	Amber 250ml unpreserved	A	N/A	5.7	Y	Absent	BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1206522-01C	Amber 250ml unpreserved	A	N/A	5.7	Y	Absent	BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1206522-02A	Vial Large unpreserved	A	N/A	5.7	Y	Absent	NYTCL-8260(14)
L1206522-02B	Amber 250ml unpreserved	A	N/A	5.7	Y	Absent	BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)

*Values in parentheses indicate holding time in days



Project Name: Not Specified

Project Number: Not Specified

Lab Number: L1206522

Report Date: 04/23/12

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1206522-02C	Amber 250ml unpreserved	A	N/A	5.7	Y	Absent	BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1206522-03A	Vial Large unpreserved	A	N/A	5.7	Y	Absent	NYTCL-8260(14)
L1206522-03B	Amber 250ml unpreserved	A	N/A	5.7	Y	Absent	BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1206522-03C	Amber 250ml unpreserved	A	N/A	5.7	Y	Absent	BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1206522-04A	Vial Large unpreserved	A	N/A	5.7	Y	Absent	NYTCL-8260(14)
L1206522-04B	Amber 250ml unpreserved	A	N/A	5.7	Y	Absent	BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)

*Values in parentheses indicate holding time in days



Project Name: Not Specified

Project Number: Not Specified

Lab Number: L1206522

Report Date: 04/23/12

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1206522-04C	Amber 250ml unpreserved	A	N/A	5.7	Y	Absent	BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1206522-05A	Vial Large unpreserved	A	N/A	5.7	Y	Absent	NYTCL-8260(14)
L1206522-05B	Amber 250ml unpreserved	A	N/A	5.7	Y	Absent	BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1206522-05C	Amber 250ml unpreserved	A	N/A	5.7	Y	Absent	BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1206522-06A	Vial Large unpreserved	A	N/A	5.7	Y	Absent	NYTCL-8260(14)
L1206522-06B	Amber 250ml unpreserved	A	N/A	5.7	Y	Absent	BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)

*Values in parentheses indicate holding time in days



Project Name: Not Specified

Lab Number: L1206522

Project Number: Not Specified

Report Date: 04/23/12

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1206522-06C	Amber 250ml unpreserved	A	N/A	5.7	Y	Absent	BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1206522-07A	Vial HCl preserved	A	N/A	5.7	Y	Absent	NYTCL-8260(14)
L1206522-07B	Vial HCl preserved	A	N/A	5.7	Y	Absent	NYTCL-8260(14)
L1206522-07C	Vial HCl preserved	A	N/A	5.7	Y	Absent	NYTCL-8260(14)
L1206522-07D	Amber 1000ml unpreserved	A	7	5.7	Y	Absent	NYTCL-8082-1200ML(7)
L1206522-07E	Amber 1000ml unpreserved	A	7	5.7	Y	Absent	NYTCL-8082-1200ML(7)
L1206522-07F	Amber 1000ml unpreserved	A	7	5.7	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1206522-07G	Amber 1000ml unpreserved	A	7	5.7	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1206522-07H	Amber 1000ml unpreserved	A	7	5.7	Y	Absent	NYTCL-8081(7)
L1206522-07I	Plastic 500ml unpreserved	A	7	5.7	Y	Absent	-
L1206522-07X	Plastic 250ml HNO3 preserved spl	A	<2	5.7	Y	Absent	PB-SI(180),FE-SI(180),BA-SI(180),BE-6020S(180),AG-SI(180),AS-SI(180),CU-SI(180),MN-SI(180),NA-SI(180),NI-SI(180),AL-SI(180),CD-SI(180),CO-SI(180),TL-6020S(180),CR-SI(180),K-SI(180),MG-SI(180),SB-6020S(180),CA-SI(180),HG-S(28),SE-SI(180),V-SI(180),ZN-SI(180)
L1206522-07Z	Plastic 500ml HNO3 preserved	A	<2	5.7	Y	Absent	TL-6020T(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),BE-6020T(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),SB-6020T(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1206522-08A	Vial HCl preserved	A	N/A	5.7	Y	Absent	NYTCL-8260(14)
L1206522-08B	Vial HCl preserved	A	N/A	5.7	Y	Absent	NYTCL-8260(14)
L1206522-08C	Vial HCl preserved	A	N/A	5.7	Y	Absent	NYTCL-8260(14)
L1206522-08D	Amber 1000ml unpreserved	A	7	5.7	Y	Absent	NYTCL-8082-1200ML(7)
L1206522-08E	Amber 1000ml unpreserved	A	7	5.7	Y	Absent	NYTCL-8082-1200ML(7)

*Values in parentheses indicate holding time in days



Project Name: Not Specified

Lab Number: L1206522

Project Number: Not Specified

Report Date: 04/23/12

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1206522-08F	Amber 1000ml unpreserved	A	7	5.7	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1206522-08G	Amber 1000ml unpreserved	A	7	5.7	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1206522-08H	Amber 1000ml unpreserved	A	7	5.7	Y	Absent	NYTCL-8081(7)
L1206522-08I	Plastic 500ml unpreserved	A	7	5.7	Y	Absent	-
L1206522-08X	Plastic 500ml HNO3 preserved spl	A	<2	5.7	Y	Absent	PB-SI(180),FE-SI(180),BA-SI(180),BE-6020S(180),AG-SI(180),AS-SI(180),CU-SI(180),MN-SI(180),NA-SI(180),NI-SI(180),AL-SI(180),CD-SI(180),CO-SI(180),TL-6020S(180),CR-SI(180),K-SI(180),MG-SI(180),SB-6020S(180),CA-SI(180),HG-S(28),SE-SI(180),V-SI(180),ZN-SI(180)
L1206522-08Z	Plastic 500ml HNO3 preserved	A	<2	5.7	Y	Absent	TL-6020T(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),BE-6020T(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),SB-6020T(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1206522-09A	Vial HCl preserved	A	N/A	5.7	Y	Absent	NYTCL-8260(14)
L1206522-09B	Vial HCl preserved	A	N/A	5.7	Y	Absent	NYTCL-8260(14)
L1206522-09C	Vial HCl preserved	A	N/A	5.7	Y	Absent	NYTCL-8260(14)
L1206522-09D	Amber 1000ml unpreserved	A	7	5.7	Y	Absent	NYTCL-8082-1200ML(7)
L1206522-09E	Amber 1000ml unpreserved	A	7	5.7	Y	Absent	NYTCL-8082-1200ML(7)
L1206522-09F	Amber 1000ml unpreserved	A	7	5.7	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1206522-09G	Amber 1000ml unpreserved	A	7	5.7	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1206522-09H	Amber 1000ml unpreserved	A	7	5.7	Y	Absent	NYTCL-8081(7)
L1206522-09Z	Plastic 500ml HNO3 preserved	A	<2	5.7	Y	Absent	TL-6020T(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),BE-6020T(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),SB-6020T(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)

Container Comments

*Values in parentheses indicate holding time in days



Project Name: Not Specified

Lab Number: L1206522

Project Number: Not Specified

Report Date: 04/23/12

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
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Container Comments

L1206522-08X

*Values in parentheses indicate holding time in days



Project Name: Not Specified
Project Number: Not Specified

Lab Number: L1206522
Report Date: 04/23/12

GLOSSARY

Acronyms

EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.
C	- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
G	- The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
I	- The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported due to obvious interference.
M	- Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
NJ	- Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

Report Format: DU Report with "J" Qualifiers



Project Name: Not Specified
Project Number: Not Specified

Lab Number: L1206522
Report Date: 04/23/12

Data Qualifiers

- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL). This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the method detection limit (MDL) for the sample.

Report Format: DU Report with "J" Qualifiers



Project Name: Not Specified
Project Number: Not Specified

Lab Number: L1206522
Report Date: 04/23/12

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.
- 30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Certificate/Approval Program Summary

Last revised January 30, 2012 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. **NELAP Accredited Solid Waste/Soil.**

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB), 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223 P/A), E. Coli. – Colilert (SM9223 P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D))

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E).)

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3,3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Maine Department of Human Services Certificate/Lab ID: 2009024.

Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 2540C, 4500CI-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500CI-D, 4500CI-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 9010B, 9040B, 9030B, 7470A, 7196A, 2340B, EPA 200.7, 6010, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223D, 9222D. Organic Parameters: 608, 8081, 8082, 8330, 8151A, 624, 8260, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014A, 9040B, 9045C, 6010B, 7471A, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260B, 8270C, 8330, 8151A, 8081A, 8082, 3540C, 3546, 3580A, 3630C, 5030B, 5035.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.

Drinking Water (Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertQT SM9223B; MF-SM9222D.)

SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.

Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B;Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. *NELAP Accredited.*

Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 245.2, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 1664A, SW-846 9010, 9030, 9040B, SM426C, SM2120B, 2310B, 2320B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A, 8151A.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040B, 9045C, 9050C, 9065,1311, 1312, 3005A, 3050B. Organic Parameters: SW-846 3540C, 3546, 3550B, 3580A, 3630C, 5030B, 5035, 8260B, 8270C, 8330, 8151A, 8015B, 8082, 8081A.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. *NELAP Accredited.*

Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.2, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500CI-E, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 6020, 6020A, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, 4500CN-CE, EPA 245.1, 245.2, SW-846 9040B, 3005A, 3015, EPA 6010B, 6010C, 7196A, 3060A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8081A, 8081B, 8082, 8082A, 8151A, 8330, NJ OQA-QAM-025 Rev.7, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 6010C, 7196A, 3060A, 9010B, 9030B, 1010, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9014, 9012A, 9040B, 9045C, 9050A, 9065. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3545, 3546, 3550B, 3580A, 3630C, 5030B, 5035L, 5035H, NJ OQA-QAM-025 Rev.7, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. *NELAP Accredited.*

Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-04-1-C, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, SM3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 9010B, 9030B.. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: 1010, 1030, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8015B, 8081A, 8151A, 8330, 8082, 3540C, 3545, 3546, 3580, 5030B, 5035.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. Organic Parameters: MA-EPH, MA-VPH.

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. **NELAP Accredited.**
Drinking Water (Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 1312, 200.7, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE.
Organic Parameters: EPA 3510C, 3005A, 3630C, 5030B, 625, 624, 608, 8081A, 8081B, 8082, 802A, 8151A, 8260B, 8270C, 8270D, 8330)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3050B, 3060A, 6010B, 6010C, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065, SM 4500NH3-H. Organic Parameters: 3540C, 3546, 3580A, 3630C, 5035, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8260B, 8270C, 8270D, 8330)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. **NELAP Accredited via NY-DOH.**
 Refer to MA-DEP Certificate for Potable and Non-Potable Water.
 Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commission on Environmental Quality Certificate/Lab ID: T104704476-09-1. **NELAP Accredited.**

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 S²⁻ D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460195. **NELAP Accredited.**

Non-Potable Water (Inorganic Parameters: EPA 3005A,3015,1312,6010B,6010C,SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X. Organic Parameters: EPA 8260B)

Solid & Hazardous Waste (Inorganic Parameters: EPA 3050B, 1311, 1312, 6010B, 6010C, 9030B, 9010B, 9012A, 9014. Organic Parameters: EPA 5035, 5030B, 8260B.)

Department of Defense, L-A-B Certificate/Lab ID: L2217.

Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6020, 245.1, 245.2, 7470A, 9040B, 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 5220D, 5310C, 2320B, 2540C, 3005A, 3015, 9010B, 9056. Organic Parameters: EPA 8260B, 8270C, 8330A, 625, 8082, 8081A, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 7471A, 9010, 9012A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8270C, 8330A/B-prep, 8082, 8081A, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:

EPA 8260B: Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnaphthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO₂ in a soil matrix, NO₃ in a soil matrix, SO₄ in a soil matrix.

CHAIN OF CUSTODY

PAGE 1 OF

Date Rec'd In Lab: 00-13-12

ALPHA Job # L1200522



WESTBORO, MA
TEL: 508-898-9220
FAX: 508-898-9193

MANSFIELD, MA
TEL: 508-822-9300
FAX: 508-822-3288

Client Information

Client: Associated Env Services

Address: 25 Central Ave

Hempstead, NY 11788

Phone: 631 234-4280

Fax: 631 234-4297

Email: greg@assocenvsvcs.com

Project Name: 62N 9th St, Bldg, NY

Project Location: 62N 9th St, Bldg, NY

Project Manager: Greg Faust

ALPHA Quote #:

Turn-Around Time:

Standard RUSH (only confirmed if pre-approved)

Date Due: 4/30/12 Time:

These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments/Detection Limits:

Report Information - Data Deliverables

FAX EMAIL
 ADDEX Add'l Deliverables

Billing Information

Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program: NYS DEC Criteria:

ANALYSIS	
TCL VOC	<input checked="" type="checkbox"/>
TCL SVOC	<input checked="" type="checkbox"/>
TCL PEST	<input checked="" type="checkbox"/>
TAL MTS (Total)	<input checked="" type="checkbox"/>
TAL MTS (Dis)	<input checked="" type="checkbox"/>
PCB	<input checked="" type="checkbox"/>

SAMPLE HANDLING	
Filtration	<u>Yes</u>
<input type="checkbox"/> Done	
<input type="checkbox"/> Not needed	
<input checked="" type="checkbox"/> Lab to do	
Preservation	<input type="checkbox"/>
<input type="checkbox"/> Lab to do	

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials	Container Type		Date/Time	Date/Time	Filter Dissolved	MTLS Sample
		Date	Time			AV	PP				
00522-1	B-1 (0-2')	4/24/12	1320	S	GE	X	X	4/13/12 0900	4/13/12 0900		
2	B-1 (6-8')		1430	S		X	X	4/13/12 1800	4/13/12 1800		
3	B-2 (0-2')		1200	S		X	X	4/13/12 1800	4/13/12 1800		
4	B-2 (8-10')		1220	S		X	X	4/13/12 1800	4/13/12 1800		
5	B-3 (0-2')		1130	S		X	X	4/13/12 1800	4/13/12 1800		
6	B-3 (8-10')		10:50	S		X	X	4/13/12 1800	4/13/12 1800		
7	GW-1		1630	GW		X	X	4/13/12 1800	4/13/12 1800		
8	GW-2		1110	GW		X	X	4/13/12 1800	4/13/12 1800		
9	FB-1		1400	GW		X	X	4/13/12 1800	4/13/12 1800		
10	TR		1400	GW		X	X	4/13/12 1800	4/13/12 1800		

Container Type	AV	PP	CP	CA
Preservative	B	A	A	C

Relinquished By: [Signature] Date/Time: 4/13/12 0900

Received By: [Signature] Date/Time: 4/13/12 0900

Subsets: [Signature] Date/Time: 4/13/12 0900

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.



**Associated
Environmental
Services, Ltd.**