

BRIGHTON GREEN
BROOKLYN, NEW YORK

Remedial Investigation Report

NYC BCP Site Number: 12CBCP018K

Prepared for:

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REMEDIAL INVESTIGATION REPORT

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LIST OF ACRONYMS

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

CERTIFICATION

I, Scott A. Yanuck, am a Qualified Environmental Professional, as defined in RCNY § 43-1402(ar). I have primary direct responsibility for implementation of the Remedial Investigation for the Brighton Green Development Site, (NYC BCP Site No. 12CBCP018K). I am responsible for the content of this Remedial Investigation Report (RIR), have reviewed its contents and certify that this RIR is accurate to the best of my knowledge and contains all available environmental information and data regarding the property.

<u>Scott A. Yanuck. Yanuck</u>	<u>July 19, 2011</u>	
Qualified Environmental Professional	Date	Signature

EXECUTIVE SUMMARY

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

Site Location and Current Usage

The Site is located at 67 Brighton 1 Lane in the Brighton Beach section in Brooklyn, New York and is identified as Block 8670 and Lot 80 on the New York City Tax Map. The Site is 2,025 -square feet in area and is vacant and undeveloped, with evidence of construction debris mixed in soils at the site.

Summary of Proposed Redevelopment Plan

The proposed future use of the Site will consist of a high performance six-story, six-family residential building with an entrance lobby, community facility office, bicycle storage and utilities on the first floor, apartments on Floors 2 – 6 with a communal roof terrace. The property will have no basement.

Summary of Past Uses of Site and Areas of Concern

The property had been on the outer edge of a horse racing track from the late 1800's to the early 1900's. A residential dwelling occupied the site since the development of the lot in the 1920's. The AOCs identified for this site include consist of historic fill and possible heating oil usage at the site.

Summary of the Work Performed under the Remedial Investigation

LEA on behalf of its client, Scarano Realty, LLC, performed the following scope of work:

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

4. Installed one groundwater monitoring well throughout the Site to establish groundwater flow and collected one groundwater sample for chemical analysis to evaluate groundwater quality;
5. Installed three soil vapor probes around Site perimeter and collected three samples for chemical analysis.

Summary of Environmental Findings

1. Elevation of the property ranges from 8.5 to 9 feet above sea level.
2. Depth to groundwater ranges from 6 to 6.5 feet at the Site.
3. Groundwater is presumed to flow is generally from north to south beneath the Site.
4. Depth to bedrock is approximately 1,300 feet at the Site.
5. The stratigraphy of the site, from the surface down, consists of 120 the Upper Glacial aquifer underlain by 50 feet of Gardiners Clay, underlain by 40 feet of the Jameco aquifer, underlain by 600 feet of Magothy aquifer, underlain by 200 feet of the Raritan confining unit, underlain by 300 feet of the Lloyd aquifer
6. Soil/fill samples collected during the RI showed five metals with contamination exceeding Track 1 SCOs. Of these, barium, lead, copper and cadmium also exceeded Track 2 Restricted Residential SCOs. All Track 2 metals exceedences were limited shallow (0-2 foot) samples. With the exception of lead in one sample, all deeper soil samples (6-10 feet) achieved Track 1. SVCOs, VOC's, SVOCs, and PCBs were all below Track 1 SCOs. Soils from 0 to roughly 6 feet depths contained historic fill comprised of fill, ash, coal, and construction debris.
7. Groundwater samples collected during the RI did not detect VOCs, SVOcs or PCBs. Detected metals did not exceed TOGS 1.1.1 Class GA Guidance Values in the one unfiltered sample.
8. Soil vapor samples collected during the RI showed a wide variety of VOCs, consisting mainly of BTEX and associated compounds at concentrations generally below 75 ug/m3. These compounds are most commonly associated with a spill of automotive fuel. The presence of MTBE and ethanol in vapor suggest a relatively recent spill. Past uses of the property do not indicate automotive fueling activities or other automotive fuel sources. Soil samples do not contain any VOCs in either shallow or deep soil samples. Groundwater did

not detect any VOCs. Together, these observations suggest an offsite source area. TCE is identified in one samples at 3.2 ug/m³ and PCE is identified all three samples but only one above 1 ug/m³ (8.6 ug/m³). Similar to BTEX compounds, PCE and TCE were not detected onsite and past uses of the property do not suggest the potential for onsite source areas. While no standards exist for soil vapor, no compounds exceed the Guidance for Evaluating Soil Vapor Intrusion in the State of New York (Final November 2006)

REMEDIAL INVESTIGATION REPORT

1.0 SITE BACKGROUND

Scarano Realty, LLC has enrolled in the New York City Brownfield Cleanup Program (NYC BCP) to investigate and remediate a 0.05-acre site located at 67 Brighton 1 Lane in the Brighton Beach section of Brooklyn, New York. Residential Mixed-Use, with a community facility office is proposed for the property. The RI work was performed between July 8 and 14, 2011. This RIR summarizes the nature and extent of contamination and provides sufficient information for establishment of remedial action objectives, evaluation of remedial action alternatives, and selection of a remedy that is protective of human health and the environment consistent with the use of the property pursuant to RCNY§ 43-1407(f).

1.1 SITE LOCATION AND CURRENT USAGE

The Site is located at 67 Brighton 1 Lane in the Brighton Beach section in Brooklyn, New York and is identified as Block 8670 and Lot 80 on the New York City Tax Map. Figure 1.0 shows the Site location. The Site is 2,025 -square feet in area and is bounded by homes to the north, Brighton 1 Lane to the south, a home to the east, and a multi-story building under construction to the west. A map of the site boundary is shown in Figure 2.0. Currently, the Site is vacant and is undeveloped, with evidence of construction debris mixed in soils at the site.

1.2 Proposed Redevelopment Plan

The proposed future use of the Site will consist of a high performance six-story, six-family residential building with an entrance lobby, community facility office, bicycle storage and utilities on the first floor, apartments on Floors 2 – 6 with a communal roof terrace. The building will not have a basement. The building will have 5,800 square feet of residential space and 1,200 square feet of community facility office. Layout of the proposed site development is presented in Figures 3.0 through 3.8. The building, which will cover the entire lot, will be constructed to attain LEED Platinum Status. Storage tanks for geothermal heat, gray water and drainage will be placed below the highly insulated slab of the building. Estimated maximum excavation depth for construction is 6 feet under the elevator and 3 feet under the remainder of the building. Groundwater was encountered at 6.5 feet below grade, so excavation into the water

table is not expected. The current zoning designation is R6 residential. The proposed use is consistent with existing zoning for the property.

1.3 DESCRIPTION OF SURROUNDING PROPERTY

The property lies within a residential neighborhood, with mostly small one and two story single and two-family homes. Commercial buildings are located to the south, primarily along Brighton Beach Avenue. A large condominium building is located on the west side of Brighton 1 Street and there are two buildings currently under construction to the west of the property, which will likely be mixed use. There are no sensitive receptors, such as schools, playgrounds, hospitals or day care centers within a 500 foot radius of the site.

Figure 4.0 shows the surrounding land usage.

2.0 SITE HISTORY

2.1 PAST USES AND OWNERSHIP

The property had been on the outer edge of a horse racing track from the late 1800's to the early 1900's. A residential dwelling occupied the site since the development of the lot in the 1920's. According to the aerial map of 2010 the property is currently vacant, and the New York City building records state that the last modification to the building was in 2007. During the time between 2007 and 2010, the residential dwelling was demolished, although no official records obtained by *LEA* provide an exact date. According to the New York City building records, the property has a permit to conduct two test pits to investigate of sub-soil conditions in September of 2010. The subject property is currently still vacant and undeveloped at the time of this report. Ownership of the property was Wasserberger from 1971 to 2007/2008, at which time Pensco Trust Company (current owner) was issued the deed.

2.2 PREVIOUS INVESTIGATIONS

No previous environmental investigations were conducted at the site. A Geotechnical Boring that was completed in December 2007 provided some insight into the type of fill and soil at the site.

2.3 SITE INSPECTION

The site inspection found a fenced-in vacant property with some vegetation present. The surface of the property was relatively flat, with construction debris present on the surface and partially buried in the soil.

2.4 AREAS OF CONCERN

The AOCs identified for this site include:

1. A residential home that occupied the site for approximately 90 years was recently demolished. Concern is for historic fill, recent building debris and possible heating oil usage at the site

Phase 1 Report is presented in Appendix A.

3.0 PROJECT MANAGEMENT

3.1 PROJECT ORGANIZATION

The Qualified Environmental Profession (QEP) responsible for preparation of this RIR is Scott A. Yanuck.

3.2 HEALTH AND SAFETY

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

3.3 MATERIALS MANAGEMENT

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

4.0 REMEDIAL INVESTIGATION ACTIVITIES

LEA on behalf of its client, Scarano Realty, LLC, performed the following scope of work:

1. Conducted a Site inspection to identify AOCs and physical obstructions (i.e. structures, buildings, etc.);
2. Conducted a geophysical survey of the site;
3. Installed four soil borings across the entire project Site, and collected seven soil samples for chemical analysis from the soil borings to evaluate soil quality;
4. Installed one groundwater monitoring well at the Site to establish groundwater flow and collected one groundwater sample for chemical analysis to evaluate groundwater quality;
5. Installed three soil vapor probes around Site perimeter and collected three samples for chemical analysis.

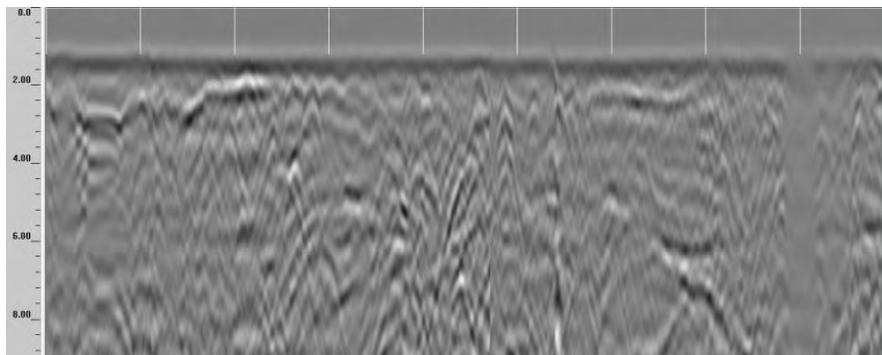
4.1 GEOPHYSICAL INVESTIGATION

A geophysical survey was conducted on July 8, 2011 to locate underground storage tanks or buried above ground storage tanks.

A GSSI model SIR-3000 with a 400 MHz antenna Ground Penetrating Radar (GPR) system was used for the survey and consisted of a control unit, control cable and a transducer. The GPR control unit transmits a trigger pulse at a normal repetition rate of 50 KHz. The pulse is then sent to the transmitter electronics in the transducer (antenna) via the control cable where the trigger pulses are transformed into bipolar pulses with higher amplitudes. The transformed pulse will vary in shape and frequency according to the transducer used. The GSSI system is capable of transmitting electromagnetic energy into the subsurface of the earth in the frequency range of 16 MHz to 2000 MHz. In the subsurface, reflections of the pulse occur at boundaries where there is a dielectric contrast (void, steel, soil type). The reflected portion of the signal travels back to the antenna and the control unit and is subsequently shown on the display of the computers color video monitor for interpolation. The scan was completed from zero to 10 feet below grade over searched areas.

A qualified technician specified a coordinate system on the planimetric surface to locate any subsurface dielectric anomalies on the premises. The operator used known knowledge of the subsurface soil composition to calibrate the SIR-3000 system to site-specific conditions. Factor settings such as range, gain, number of gain points, and scans per unit, are modified to yield the most accurate data to describe the subsurface conditions. Additionally, a Fischer Model TW-6 magnetometer was utilized to survey for buried metal objects, such as tanks.

No anomalies indicative of a buried tank were discovered at the subject site. Typical image at property is shown below:



4.2 BORINGS AND MONITORING WELLS

Drilling and Soil Logging

Soil borings were completed to 10 feet below grade at three predetermined locations on July 8, 2011, using a GeoProbe 6610 track unit and the dual tube sampling system. Samples were collected in 5' sleeves, which were cut open, photographed, field-screened by visual, olfactory and calibrated PID, and logged prior placing in sample containers. Soils from 0 to 6 or 6.5 feet were comprised of fill, ash, coal, and construction debris. Soils from 6 or 6.5 feet to 10 feet consisted of fine well sorted sands. The sample horizon from 6 to 8 feet in SB-3 had a slight petroleum odor and registered a high of 52.8 ppm on the PID. Based on this, one step out boring was completed 5 feet south of SB-3. SB-3A was conducted on July 14, 2011 using a GeoProbe 420M unit and closed piston macro core sampling system. No signs of contamination were noted in this sample collected at 6 to 8 foot below grade, which bisected the water table. Water was encountered at 6 to 6.5 feet.

Boring logs were prepared by Wala Canario, under supervision of Scott A. Yanuck and are attached in Appendix C. A map showing the location of soil borings and monitor wells is shown in Figure 3.0.

Groundwater Monitoring Well Construction

One monitoring well was installed at the pre-determined location using the GeoProbe 6610 and 2.25 inch rods. The well was a 5-foot, 3/4-inch diameter pre-pack well set with the screened interval at 5 to 10 feet. The well was developed and checked using a Horiba U-22 multi-parameter water meter prior to low flow sampling.

Monitor well locations are shown in Figure 3.0.

Water Level Measurement

The monitoring well was gauged and the depth to water was found to be 6.24 feet. Water levels are likely to fluctuate at this site due to tidal influence.

4.3 SAMPLE COLLECTION AND CHEMICAL ANALYSIS

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

Soil Sampling

Soil sampling using the GeoProbe DT225 sampling system provides a high level of sample quality. The outer rods provide a casing so that the deeper sample can be collected without being mixed with material that could fall into the borehole from above. A new liner is utilized for each 5 foot sampling interval. The rods and cutting shoes are decontaminated between boreholes using Alconox and rinsed with fresh water and then distilled water. One field blank/equipment blank was collected to rule out cross contamination. One blind duplicate sample was submitted for analysis to provide a job specific QA/QC check on the lab. Four soil samples were collected for chemical analysis during this RI. Data on soil sample collection for chemical analyses, including dates of collection and sample depths, is reported in Tables 1.1 to 1.4. Figure 3.0 shows the location of samples collected in this investigation. Laboratories and analytical methods are shown below.

Groundwater Sampling

Disposable tubing was used in conjunction with a peristaltic pump to collect the groundwater sample, so no decontamination was necessary. Since the well was a pre-pack well which was installed and developed the same day, no additional purging was necessary. One groundwater sample was collected for chemical analysis during this RI. Groundwater sample collection data is reported in Table 2. Figure 3.0 shows the location of groundwater sampling. Laboratories and analytical methods are shown below.

Soil Vapor Sampling

A GeoProbe 6610 was utilized to set soil vapor points at four feet below grade, a depth just below the base of the proposed building slab. Once the sampling points were set in glass bead and sealed with bentonite above, a helium tracer gas was applied using the recommended bucket apparatus and a helium detector was used to confirm a sufficient seal at the surface.

Three soil vapor probes were installed and three soil vapor samples were collected for chemical analysis during this RI. The soil vapor sampling location is shown in Figure 3.0. Soil vapor sample collection data is reported in Table 3. Soil vapor sampling logs are included in Appendix G. Methodologies used for soil vapor assessment conform to the *NYS DOH Final Guidance on Soil Vapor Intrusion, October 2006*.

Chemical Analysis

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

Factor	Description
Quality Assurance Officer	The chemical analytical quality assurance is directed by Scott A. Yanuck
Chemical Analytical Laboratory	Chemical analytical laboratory(s) used in the RI is NYS ELAP certified and were Long Island Analytical Laboratories (1070504) and Con-Test Laboratories (10899)
Chemical Analytical Methods	Soil analytical methods: <ul style="list-style-type: none">• TAL Metals by EPA Method 6010C (rev. 2007);• VOCs by EPA Method 8260C (rev. 2006);• PAH SVOCs by EPA Method 8270D (rev. 2007);• PCBs by EPA Method 8082A (rev. 2000); Groundwater analytical methods: <ul style="list-style-type: none">• TAL Metals by EPA Method 6010C (rev. 2007);• VOCs by EPA Method 8260C (rev. 2006);• PAH SVOCs by EPA Method 8270D (rev. 2007);

	<ul style="list-style-type: none">• PCBs by EPA Method 8082A (rev. 2000); Soil vapor analytical methods: <ul style="list-style-type: none">• VOCs by TO-15 VOC parameters.
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Results of Chemical Analyses

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

5.0 ENVIRONMENTAL EVALUATION

5.1 GEOLOGICAL AND HYDROGEOLOGICAL CONDITIONS

Kings County is located in the Atlantic Coastal Plain physiographic province that is characterized by low hills of unconsolidated sands, gravel, and silt. According to Franke (1972), regionally, the near-surface sediments consist of the Upper Glacial deposits that are characterized by southward sloping deposits of sand, gravel, and silt. The Upper Glacial deposits have a maximum thickness of 600 feet. They are underlain by the Magothy, Raritan, and Lloyd Formations. The Gardeners clay and the Jameco gravel separate the Upper Glacial deposits and the Magothy Formation along the southwest portion of Long Island. Due to less surficial contamination and higher well yields, the Magothy aquifer is the main supply for drinking and industrial water. Consequently, the USEPA has identified it as a Sole Source Aquifer. The subject site is in the Upper Glacial aquifer. Pump test data suggests hydraulic conductivity between the Magothy and Upper Glacial aquifers. However, discontinuous clay lenses may prevent this interaction in some areas.

According to the United States Department of Agriculture Soil Survey Classification and Nomenclature System, this soil would likely be referred to as Urban Land, because the original composition and structure of the soil has been significantly altered by urbanization and development activities. Based on groundwater contour maps obtained from the United States Geological Survey, regional ground water flows in a southerly direction.

Stratigraphy

The site soils consist of 6 to 6.5 feet of fill material, construction debris, cinders and coal, followed by fine well sorted sands to the end of boring, which is 10 feet. According to a geotechnical boring conducted in December 2007, a fine to medium grained sand extended to the end of their boring at 32 feet below grade.

Hydrogeology

Groundwater was expected at 5 to 7 feet below grade, with a general flow direction from the north to the south. Measured depth to groundwater at MW-1 was 6.24 feet below the ground surface.

5.2 SOIL CHEMISTRY

The results of chemical testing of soil and fill materials at the site are as follows:

- Field screening of soil in all borings found urban fill materials to a depth of 6 to 6.5 feet below grade. This was evident as pieces of coal, ash and building materials. Minor petroleum odor was noted in SB-3, 6' – 8' below grade. Laboratory analysis of the selected samples indicated that five metals in shallow samples of historical fill (0-2 feet depth) exceeded Track 1 SCOs including Barium, Cadmium, Copper, Lead and Zinc. Of these, barium, lead, copper and cadmium also exceeded Track 2 Restricted Residential SCOs. All Track 2 metals exceedances were limited shallow (0-2 foot) samples. With the exception of lead in one sample, all deeper soil samples (6-10 feet) achieved Track 1. SVCOs. VOC's, SVOCs, and PCBs were all below Track 1 SCOs.
- Barium was noted at concentrations of 86.1 to 741 ppm in the 0' to 2' samples and at <3.88 to 9.16 ppm in the 6' – 8' and 8' to 10' samples
- Cadmium was noted at concentrations of <0.005 to <1.04 ppm in the 0' to 2' samples and at <1.00 to <1.19 in the 6' – 8' and 8' to 10' samples (all non-detected)
- Copper was noted at concentrations of 40.7 to 341 ppm in the 0' to 2' samples and at <1.92 to 26.6 in the 6' – 8' and 8' to 10' samples
- Lead was noted at concentrations of 143 to 2030 ppm in the 0' to 2' samples and at <1.92 to 299 in the 6' – 8' and 8' to 10' samples
- Zinc was noted at concentrations of 117 to 286 in the 0' to 2' samples and at 6.21 to 63.4 in the 6' – 8' and 8' to 10' samples;
- Comparison to Track 1 finds Barium over SCO in SB-1 0'-2' and SB-2, 0'-2'; Copper over SCO in in SB-1 0'-2' and SB-2, 0'-2'; Lead over SCO in SB-1 0'-2', SB-2, 0'-2', SB-3, 0'-2', and SB-3A, 6'-8'; Zinc over SCO in SB-1 0'-2', SB-2, 0'-2', and SB-3, 0'-2';
- Urban fill is evenly distributed across the property to a depth of 6 to 6.5 feet, just above the water table and clean sands. Minor petroleum odor was detected in SB-3 at a depth of 6-8 feet. A second exploratory boring five feet from SB-3 (SB-3A) drilled to evaluate the

significance of this finding did not show petroleum odors. SVOCs were below Track 1 SCOs for corresponding deep soils from both borings;

- The observed soil contamination corresponds well with the historical fill AOC,
- Removal of soils from 0' to 6' will provide sufficient remediation to meet 6NYCRR Part 375-6.8 Track 1 Soil Cleanup Objectives. There may be some additional removal of soils necessary around SB-3 based on the field screening results.

Data collected during the RI is sufficient to delineate the vertical and horizontal distribution of contaminants in soil/fill at the Site. A summary table of data for chemical analyses performed on soil samples is included in Tables 1.1 to 1.4. Figure 3.0 shows the location and posts the values for soil/fill that exceed the 6NYCRR Part 375-6.8 Track 1 Soil Cleanup Objectives.

5.3 GROUNDWATER CHEMISTRY

The results of chemical testing of groundwater at the site are as follows: Groundwater samples collected during the RI did not detect VOCs, SVOCs or PCBs. Detected metals did not exceed TOGS 1.1.1 Class GA Guidance Values in the one unfiltered sample. These findings indicate that historical fill does not adversely affect groundwater quality at this Site.

Data collected during the RI is sufficient to delineate the distribution of contaminants in groundwater at the Site. A summary table of data for chemical analyses performed on groundwater samples is included in Table 2. No exceedance of applicable groundwater standards was detected.

Figure 3 shows the location and posts the values for groundwater that exceed the New York State 6NYCRR Part 703.5 Class GA groundwater standards (no exceedances).

5.4 SOIL VAPOR CHEMISTRY

Soil vapor samples collected during the RI showed a wide variety of VOCs, consisting mainly of BTEX and associated compounds at concentrations generally below $75 \mu\text{g}/\text{m}^3$. These compounds are most commonly associated with a spill of automotive fuel. The presence of MTBE and ethanol in vapor suggest a relatively recent spill. Past uses of the property do not indicate automotive fueling activities or other automotive fuel sources. Soil samples do not contain any VOCs in either shallow or deep soil samples. Groundwater did not detect any VOCs. Together, these observations suggest an offsite source area. TCE is identified in one sample at $3.2 \mu\text{g}/\text{m}^3$ and PCE is identified all three samples but only one above $1 \mu\text{g}/\text{m}^3$ ($8.6 \mu\text{g}/\text{m}^3$).

Concentrations of acetone range as high as 360 $\mu\text{g}/\text{m}^3$. Similar to BTEX compounds, PCE and TCE were not detected onsite and past uses of the property do not suggest the potential for onsite source areas. While no standards exist for soil vapor, no compounds exceed the Guidance for Evaluating Soil Vapor Intrusion in the State of New York (Final November 2006). Based on the presence of VOCs the installation of a vapor barrier is warranted at this site.

Data collected during the RI is sufficient to delineate the distribution of contaminants in soil vapor at the Site. A summary table of data for chemical analyses performed on soil vapor samples is included in Table 3.

Figure 3 shows the location and posts the values for soil vapor samples with detected concentrations.

5.5 PRIOR ACTIVITY

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

5.6 IMPEDIMENTS TO REMEDIAL ACTION

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

Site-Specific Standards, Criteria and Guidance

- 6 NYCRR Part 371 - Identification and Listing of Hazardous Wastes
- 6 NYCRR Part 375 - Inactive Hazardous Waste Disposal Sites
- 6 NYCRR Parts 700-706 - Water Quality Standards (June 1998)
- STARS #1 - Petroleum-Contaminated Soil Guidance Policy
- TOGS 1.1.1 - Ambient Water Quality Standards & Guidance Values and Groundwater Effluent Limitations
- Fish and Wildlife Impact Analysis for Inactive Hazardous Waste Sites (October 1994)
- Technical Guidance for Screening Contaminated Sediments (January 1999)
- NYSDOH Indoor Air Sampling & Analysis Guidance (August 8, 2001 or subsequent update)
- NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York (draft October 2004 or subsequent final draft)
- DER Interim Strategy for Groundwater Remediation at Contaminated Sites in New York State
- 6 NYCRR Part 612 - Registration of Petroleum Storage Facilities (February 1992)
- 6 NYCRR Part 613 - Handling and Storage of Petroleum (February 1992)
- 6 NYCRR Part 614 - Standards for New and Substantially Modified Petroleum Storage Tanks (February 1992)
- 40 CFR Part 280 - Technical Standards and Corrective Action Requirements for Owners and Operators of Underground Storage Tanks

Figures

USGS Brooklyn, New York, United States 01 Jul 1992

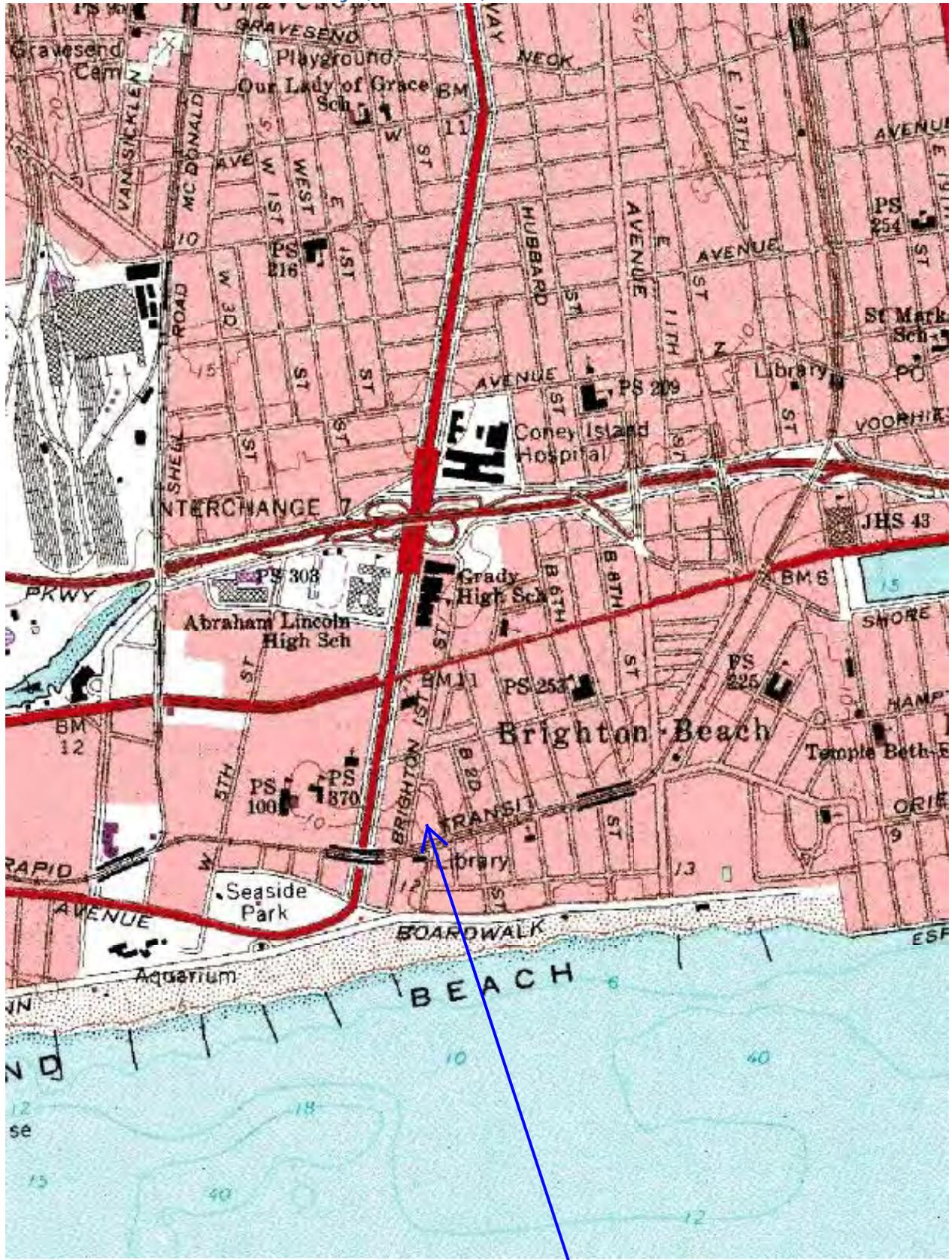
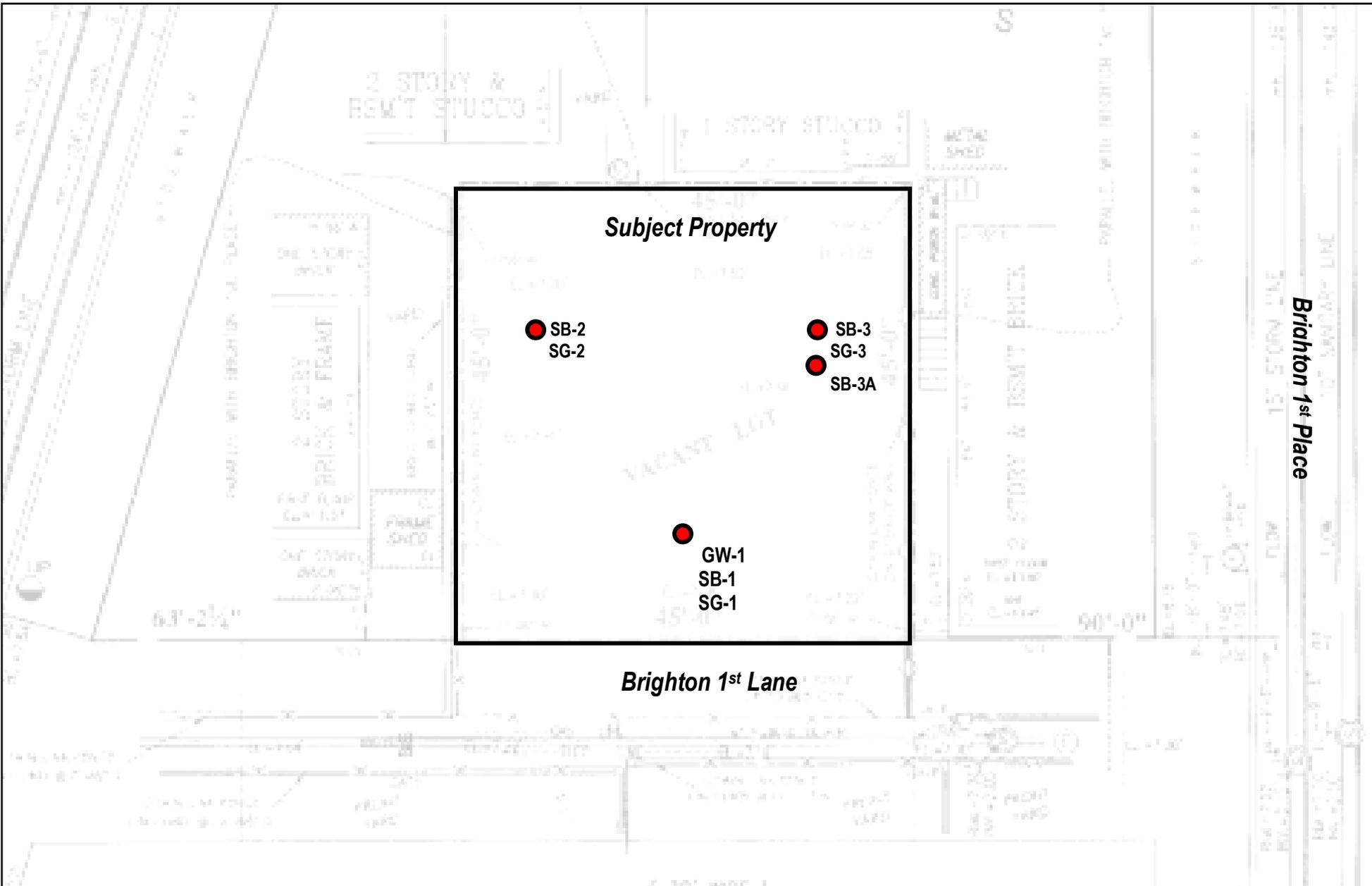


Figure 2.0
67 Brighton 1st Lane
Brooklyn, New York



53 West Hills Road
Huntington Station, NY 11746

PHONE: 631-673-0612
FAX: 631-427-5323

WWW.LAUREL ENV.COM

FIGURE 3.0

SITE SKETCH & SOIL SAMPLE
LOCATION PLAN

67 BRIGHTON 1ST LANE
BROOKLYN, NY 11235

PROJECT # : 11-256

DRAWING DATE: 7-7-2011

DRAWN BY: CJC

CHECKED BY: TJ

REVISIONS: CM, SY

SB = Soil Borings

SG = Soil Grab

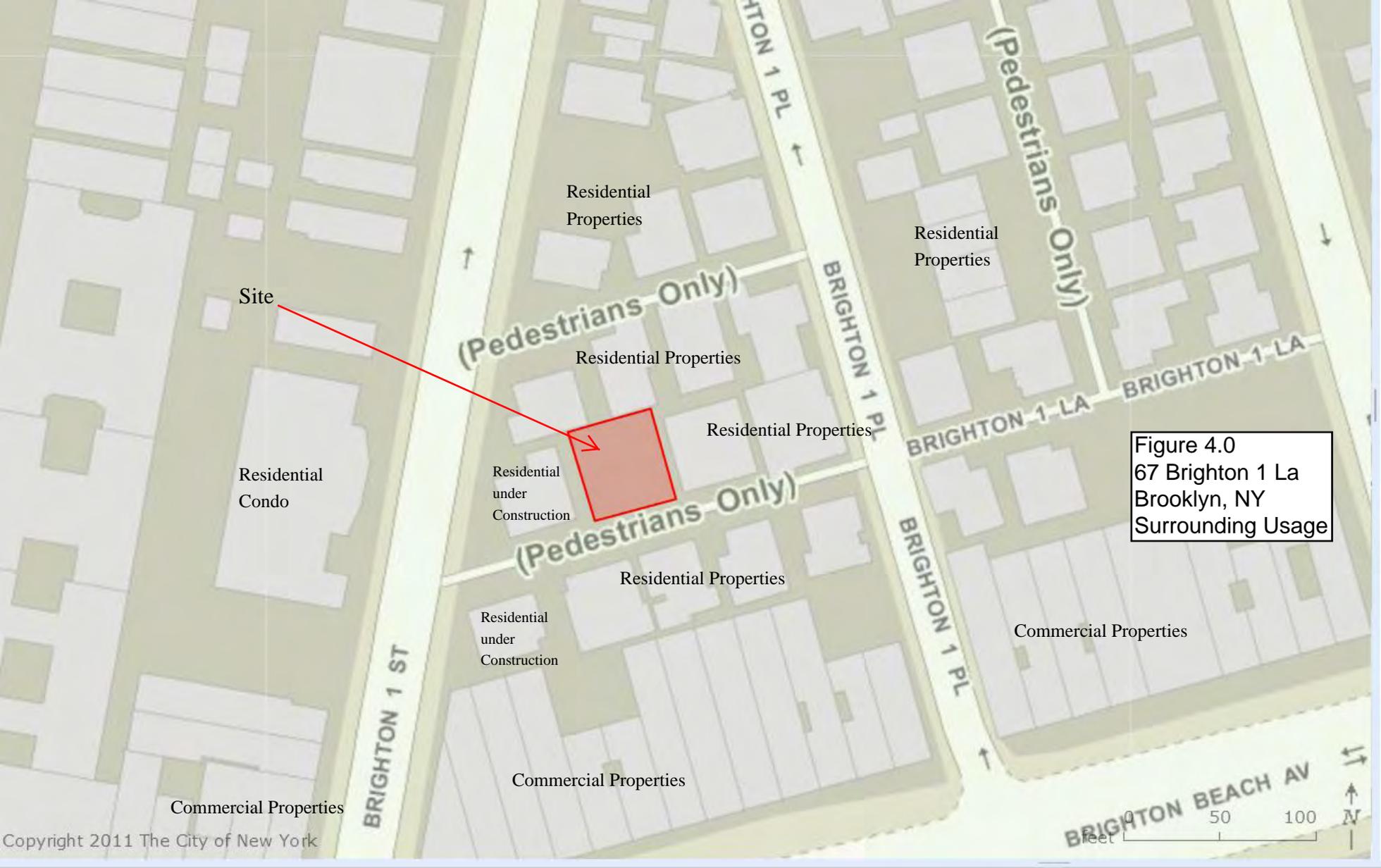
GW = Groundwater Sample

 **SAMPLES LOCATIONS**



NOT TO SCALE

LEA makes no guarantees as to the accuracy of this drawing and it should only be used for informational purposes.



Site

Residential Properties

Residential Properties

(Pedestrians Only)

Residential Properties

Residential Properties

Residential Condo

Residential under Construction

(Pedestrians Only)

Residential Properties

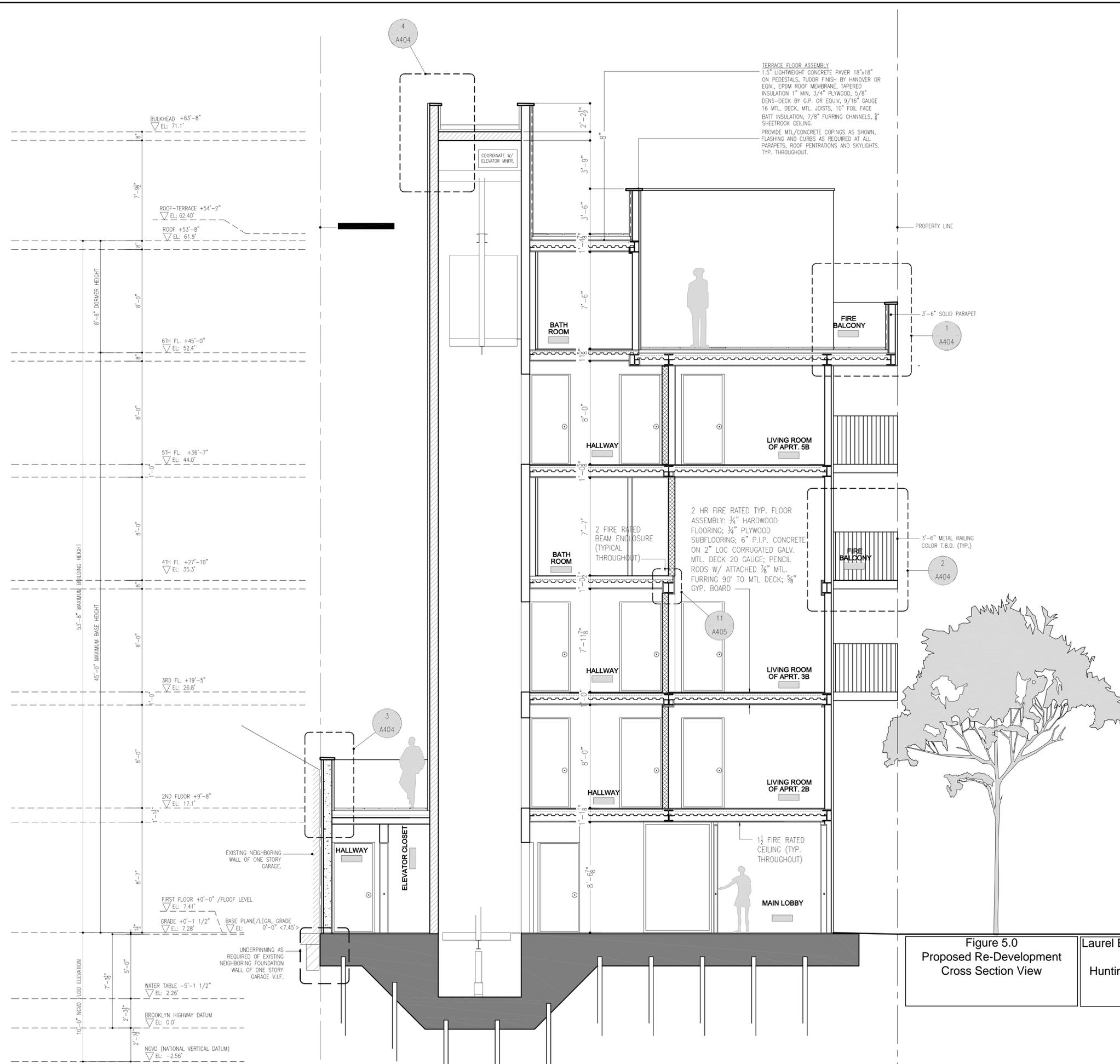
Residential under Construction

Commercial Properties

Commercial Properties

Commercial Properties

Figure 4.0
67 Brighton 1 La
Brooklyn, NY
Surrounding Usage



TERRACE FLOOR ASSEMBLY
 1.5" LIGHTWEIGHT CONCRETE PAVER 18"x18"
 ON PEDESTALS, TUDOR FINISH BY HANOVER OR
 EQV., EPDM ROOF MEMBRANE, TAPERED
 INSULATION 1" MIN. 3/4" PLYWOOD, 5/8"
 DENS-DECK BY G.P. OR EQUIV. 9/16" GAUGE
 16 MTL. DECK, MTL. JOISTS, 10" FOIL FACE
 BATT INSULATION, 7/8" FURRING CHANNELS, 5/8"
 SHEETROCK CEILING.
 PROVIDE MTL/CONCRETE COPINGS AS SHOWN,
 FLASHING AND CURBS AS REQUIRED AT ALL
 PARAPETS, ROOF PENETRATIONS AND SKYLIGHTS.
 TYP. THROUGHOUT.

2 HR FIRE RATED TYP. FLOOR
 ASSEMBLY: 3/4" HARDWOOD
 FLOORING; 3/4" PLYWOOD
 SUBFLOORING; 6" P.I.P. CONCRETE
 ON 2" LOC CORRUGATED GALV.
 MTL. DECK 20 GAUGE; PENCIL
 RODS W/ ATTACHED 1/8" MTL.
 FURRING 90° TO MTL DECK; 5/8"
 GYP. BOARD

Figure 5.0
 Proposed Re-Development
 Cross Section View

Laurel Environmental Associates
 53 West Hill Rd.
 Huntington Station, NY 11746
 631-673-0612

Revision No.	Date	Remarks

LEGEND

APPLICATION # 310041816
 WORK TYPES FILED UNDER
 THIS APPLICATION:
NB, OT, EQ.

WORK TYPES TO BE FILED
 SEPARATELY: **PL, MH, BL, SD,
 SP, FA**

WORK TYPES TO BE FILED
 SEPARATELY BY DIFFERENT
 APPLICANT:
**ELEVATOR
 MARQUEE**

SPRINKLERS ARE
 THROUGHOUT BUILDING

SCARANO & ASSOCIATES
ARCHITECTS
 110 York Street, Brooklyn, NY 11201
 Phone (718) 222-0322 Fax (718) 222-4486

Project:
**PROPOSED PROJECT AT:
 67 BRIGHTON 1ST LANE
 BROOKLYN, NY**

Title:
SECTION A

Checked: RMS	Date: 09/10/07
Signature:	Scale: 1/8"=1'-0"
Seal:	Drawn: YM
	Job #: 27164
	Dwg #: A-300

Tables

TABLE 1.1
Tabulated VOC Analytical Results
Soil Samples Collected July 8 and 14, 2011
67 Brighton 1st Lane, Brooklyn, New York

Analyte/Location Depth	SB-1	SB-2	SB-3	DUP	SB-1	SB-2	SB-3	SB-3A	SB-1/SB-3	SFB	Track 1	Track 2
	0'-2'	0'-2'	0'-2'	(SB-3 0'-2')	6'-8'	6'-8'	6'-8'	6'-8'	Composite	NA	Unrestricted SCO Part 375-6.8	Residential SCO Part 375-6.8
4-Isopropyltoluene	<5.47	<5.51	<5.43	<5.46	<6.03	<6.20	<6.15	<5.63	34.6	<5.00	N/A	N/A
1,2,4,5-Tetramethylbenzene	<5.47	<5.51	<5.43	<5.46	<6.03	<6.20	<6.15	<5.63	917	<5.00	N/A	N/A
Methylene chloride	<5.47	<5.51	<5.43	8.25	10.5	11.4	10.2	<5.63	<29.3	<5.00	50	51,000

Cadmium

NA =Not Applicable or Not Analyzed

Bold = Concentration above respective SCO

TABLE 1.2
Tabulated SVOC Analytical Results
Soil Samples Collected July 8 and 14, 2011
67 Brighton 1st Lane, Brooklyn, New York

Analyte/Location Depth	SB-1	SB-2	SB-3	DUP	SB-1	SB-2	SB-3	SB-3A	SB-1/SB-3	SFB	Track 1	Track 2
	0'-2'	0'-2'	0'-2'	(SB-3 0'-2')	6'-8'	6'-8'	8' - 10'	6'-8'	Composite	NA	Unrestricted SCO Part 375-6.8	Residential SCO Part 375-6.8
Acenaphthene	<43.7	99.3	129	<87.3	<48.2	<49.6	<49.2	113	<46.8	<5.00	20,000	100,000
Anthracene	<43.7	289	156	130	<48.2	<49.6	<49.2	107	<46.8	<5.00	100,000	100,000
Benzo (a) anthracene	201	714	576	492	65.9	<49.6	<49.2	289	46.8	<5.00	1,000	1,000
Benzo (a) pyrene	182	643	349	288	62.7	<49.6	<49.2	221	49.2	<5.00	1,000	1,000
Benzo (b) fluoranthene	253	824	530	504	78.8	<49.6	<49.2	313	62.4	<5.00	1,000	1,000
Benzo (g,h,i) perylene	104	323	178	271	<48.2	<49.6	<49.2	163	71.8	<5.00	100,000	100,000
Benzo (k) fluoranthene	91.8	328	229	134	<48.2	<49.6	<49.2	108	<46.8	<5.00	800	1,000
Benzy alcohol	<43.7	<44.1	<86.9	<87.3	<48.2	<49.6	<49.2	N/A	<46.8	6.28	N/A	N/A
Bis(2-Ethylhexyl)phthal	135	342	266	215	<48.2	<49.6	93.5	N/A	<46.8	<5.00	N/A	N/A
Butyl benzyl phthalate	<43.7	<44.1	<86.9	492	<48.2	<49.6	<49.2	N/A	<46.8	<5.00	N/A	N/A
Carbazole	<43.7	120	<86.9	130	<48.2	<49.6	<49.2	N/A	<46.8	<5.00	N/A	N/A
Chrysene	186	707	568	533	61.1	<49.6	<49.2	268	82.7	<5.00	1,000	1,000
Dibenzo (a,h) anthracene	<43.7	95.6	<86.9	<175	<48.2	<49.6	<49.2	<45.1	<46.8	<5.00	330	330
Dibenzofuran	<43.7	72.8	<86.9	<87.3	<48.2	<49.6	<49.2	N/A	<46.8	<5.00	N/A	N/A
Fluoranthene	324	1,560	1,030	908	123	<49.6	<49.2	654	152	<5.00	100,000	100,000
Fluorene	<43.7	81.6	<86.9	<87.3	<48.2	<49.6	<49.2	70.6	<46.8	<5.00	30,000	100,000
Indeno (1,2,3-cd) pyrene	86.7	268	184	236	<48.2	<49.6	<49.2	125	<46.8	<5.00	500	500
Naphthalene	<43.7	<44.1	<86.9	<87.3	<48.2	<49.6	<49.2	69.9	<46.8	<5.00	12,000	100,000
Phenanthrene	137	1,250	508	490	81.2	<49.6	<49.2	708	184	<5.00	100,000	100,000
Pyrene	292	1,280	1,040	892	118	<49.6	<49.2	578	411	<5.00	100,000	100,000

All concentrations are in parts per billion (ppb)

NA =Not Applicable or Not Analyzed

Bold = Concentration above respective SCO

TABLE 1.3
Tabulated Metals Analytical Results
Soil Samples Collected July 8 and 14, 2011
67 Brighton 1st Lane, Brooklyn, New York

Location Depth Analyte	SB-1	SB-2	SB-3	DUP	SB-1	SB-2	SB-3	SB-3A	SB-1/SB-3	SFB	Track 1	Track 2
	0'-2'	0'-2'	0'-2'	(SB-3 0'-2')	6'-8'	6'-8'	8'-10'	6'-8'	Composite	NA	Unrestricted SCO Part 375-6.8	Residential SCO Part 375-6.8
Aluminum	4,450	4,790	6,730	5,960	509	394	426	1,930	1,370	<0.05	N/A	N/A
Arsenic	2.59	2.57	2.46	2.55	<1.94	<1.97	<1.92	2.49	<1.86	<0.05	13	16
Barium	723	741	86.1	86.2	5.08	4.6	<3.88	16.6	9.16	<0.05	350	350
Cadmium	<1.04	<1.04	<0.05	<1.03	<1.18	<1.19	<1.16	<1.00	<1.13	<0.05	2.5	2.5
Calcium	3,160	3,310	8,380	14,200	397	234	199	545	305	<0.05	N/A	N/A
Chromium, trivalente	12.1	13.4	16.2	15.8	2.18	<1.97	<1.92	4.83	3.45	<0.05	30	36
Colbalt	5.31	5.2	6.33	5.64	<194	<1.97	<1.92	<1.65	<1.86	<0.05	N/A	N/A
Copper	179	341	45.2	40.7	<1.94	<1.97	<1.92	26.6	3.51	<0.05	50	270
Iron	11,600	13,000	15,800	13,900	1,160	631	712	7,090	2,550	0.10	N/A	N/A
Lead	1,700	2,030	143	152	9.39	<1.97	<1.92	299	9.78	<0.005	63	400
Magnesium	1,730	1,820	3,800	5,860	193	168	175	366	436	<0.10	N/A	N/A
Manganese	253	246	250	218	<9.72	<9.98	<9.60	26.3	33.8	<0.05	1,600	2,000
Mercury	0.05	0.04	0.1	0.09	0.07	<0.02	<0.02	0.1	0.05	<0.002	0.18	0.81
Nickel	15.6	12.9	16.1	15	<1.94	<1.97	<1.92	3.28	3.06	<0.05	30	140
Potassium	915	1,120	1,460	1,560	102	85.8	97.2	233	184	<0.10	N/A	N/A
Sodium	1,810	1,750	271	284	22.7	19.6	15.1	32.9	33.5	0.11	N/A	N/A
Vanadium	17.6	17.6	22.1	20.7	<1.94	<1.97	<1.92	5.2	4.17	<0.05	N/A	N/A
Zinc	286	253	117	108	11.1	7.26	6.21	63.4	14.4	<0.05	109	2200

All metals concentrations are in parts per million (ppm)

NA =Not Applicable or Not Analyzed

Bold = Concentration above respective SCO

TABLE 1.4
Tabulated PCB Analytical Results
Soil Samples Collected July 8 and 14, 2011
67 Brighton 1st Lane, Brooklyn, New York

Location	SB-1	SB-2	SB-3	DUP	SB-1	SB-2	SB-3	SB-3A	SB-1/SB-3	SFB	Track 1	Track 2
Depth	0'-2'	0'-2'	0'-2'	(SB-3	6'-8'	6'-8'	8'-10'	6'-8'	Composite	NA	Unrestricted SCO	Residential SCO
Analyte											Part 375-6.8	Part 375-6.8
Polychlorinated biphenyls (PCBs)	<21.9	<22.1	<21.7	36.9	<24.1	<24.8	<24.1	<22.5	<23.4	<20	100	1,000

All concentrations are in parts per billion (ppb)

NA =Not Applicable or Not Analyzed

Cadmium

TABLE 2.0
Tabulated Analytical Results
Groundwater Samples Collected July 8, 2011
67 Brighton 1 Lane, Brooklyn, New York

Location	GW-1	NYSDEC
Depth	NA	Ambient
Analyte	Total	
Metals		
Aluminum	0.46	2,000
Calcium	49.2	N/A
Iron	2.89	600
Lead	<0.005	0.025
Magnesium	6.03	35,000
Manganese	0.08	600
Potassium	3.99	N/A
Sodium	17.3	N/A
Zinc	0.11	5,000
VOCs	All BQL	
SVOCs	All BQL	
PCBs	All BQL	

All metals concentrations are in parts per million (ppm)

NA =Not Applicable or Not Analyzed

Analytes not listed are below laboratory quantitation levels (BQL)

Bold = Concentrations above NYSDEC TAGM #4046 RSCOs

TABLE 3
Tabulated Soil Vapor Analytical Results
Samples Collected July 8 , 2011

Sample Location	SG-1	SG-2	SG-3
Sample Type	Soil Vapor	Soil Vapor	Soil Vapor
Acetone	330	190	360
Benzene	7.8	15	16
Benzyl chloride	<0.52	<0.52	<0.52
Bromodichloromethane	<0.67	<0.67	<0.67
Bromoform	<1.0	<1.0	<1.0
Bromomethane	<0.39	<0.39	<0.39
1,3-Butadiene	<0.22	<0.22	<0.22
2-Butanone (MEK)	49	43	59
Carbon Disulfide	4.8	1.3	1.5
Carbon Tetrachloride	<0.63	<0.63	<0.63
Chlorobenzene	<0.46	<0.46	<0.46
Chloroethane	<0.26	<0.26	<0.26
Chloroform	3.5	3.6	3.2
Chloromethane	2.5	0.97	1.1
Cyclohexane	5.3	15	20
Dibromochloromethane	<0.85	<0.85	<0.85
1,2-Dibromoethane (EDB)	<0.77	<0.77	<0.77
1,2-Dichlorobenzene	<0.60	<0.60	<0.60
1,3-Dichlorobenzene	6.5	2.5	3.1
1,4-Dichlorobenzene	<0.60	1	0.85
Dichlorodifluoromethane (Freon)	2.3	5.4	3
1,1-Dichloroethane	<0.40	<0.40	<0.40
1,2-Dichloroethane	<0.40	<0.40	<0.40
1,1-Dichloroethylene	<0.40	<0.40	<0.40
cis-1,2-Dichloroethylene	<0.40	4.2	<0.40
trans-1,2-Dichloroethylene	<0.40	<0.40	<0.40
1,2-Dichloropropane	<0.46	<0.46	<0.46
cis-1,3-Dichloropropene	<0.45	<0.45	<0.45
trans-1,3-Dichloropropene	<0.45	<0.45	<0.45
1,2-Dichloro-1,1,2,2-tetrafluoroethane	<0.70	<0.70	<0.70
Ethanol	360	230	360
Ethyl Acetate	4.3	<0.36	<0.36
Ethylbenzene	7.9	13	14
4-Ethyltoluene	3.8	7.4	5.8
Heptane	7.2	16	19
Hexachlorobutadiene	<1.1	<1.1	<1.1
Hexane	18	37	47
2-Hexanone (MBK)	2	<0.41	<0.41
Isopropanol	13	12	19
Methyl tert-Butyl Ether (MTBE)	6.4	9.4	15
Methylene Chloride	3.9	4.3	3.7
4-Methyl-2-pentanone (MIBK)	9.3	8.2	9.8
Propene	85	21	<1.7
Styrene	0.77	0.93	0.95
1,1,2,2-Tetrachloroethane	<0.69	<0.69	<0.69
Tetrachloroethylene	0.83	8.6	0.94
Tetrahydrofuran	47	50	71
Toluene	42	65	68
1,2,4-Trichlorobenzene	<0.74	<0.74	<0.74
1,1,1-Trichloroethane	<0.55	<0.55	<0.55
1,1,2-Trichloroethane	<0.55	<0.55	<0.55
Trichloroethylene	<0.54	3.2	<0.54
Trichlorofluoromethane (Freon)	2.3	2	2
1,1,2-Trichloro-1,2,2-trifluoroethane	0.78	<0.77	<0.77
1,2,4-Trimethylbenzene	19	29	27
1,3,5-Trimethylbenzene	5.6	8.8	8
Vinyl Acetate	<0.35	<0.35	<0.35
Vinyl Chloride	<0.26	<0.26	<0.26
m&p-Xylene	25	43	44
o-Xylene	13	21	21

All concentrations are in micrograms per cubic meter (ug/M3)

Bold & Yellow Highlight = Monitoring Recommended

Bold & Yellow Highlight = Mitigation Recommended

Table 4

Groundwater Level Data

Monitoring Well ID No.	Date	Elevation (ft)
MW-1	7-8-11	8.46' bgs

Table 5 Analytical Methods Summary

Matrix	Number of Samples	Analytical parameters measured	Analytical methods	Number of duplicate samples	Number and type of QA/QC samples
Soil	4	VOCs, PAH SVOCs, PCBs, TAL Metals	8260, 8270, 8081, 6010	1	1
Groundwater	1	VOCs, PAH SVOCs, PCBs, TAL Metals	8260, 8270, 8081, 6010	0	0
Soil vapor	3	VOCs	TO-15	0	0

Table 6 Groundwater Sampling Logs

Well ID Number	Date, Start & End Time	Purge Method	purge Rate(s)	Total Volume Purged	pH	Dissolved Oxygen	Temperature	Specific Conductance	Depth from the top of the casing to the water after purging
MW-1	7-8-11 12:15	Peristaltic Pump	300 ml/minute	4 gallons	5.9	12.99	14.4 C	0	7.5 feet

Appendices

APPENDIX A

Phase I Report

APPENDIX B

Health and Safety Plan



INTERIM REMEDIAL MEASURES
HEALTH AND SAFETY PLAN

VACANT NYC BROWNFIELDS SITE
67 Brighton 1st Lane, Brooklyn
NEW YORK 11561

July 7, 2011
LEA PROJECT # 11-256

Sheila Bubka, CIH
Health and Safety Officer
AIHA Certification Number 6111

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**HEALTH AND SAFETY PLAN
FOR USE DURING REMEDIAL INVESTIGATION REPORT**

1.0 PURPOSE

The purpose of this Health and Safety Plan (HASP) is to assign responsibilities, establish minimum personnel protection standards and operating procedures and provide for contingencies that may arise while operations are being performed at the subject site, 67 Brighton 1st Lane, Brooklyn, New York. The proposed Remedial Investigation Report (RIR) will include the excavation and off-site treatment/disposal of impacted soils, collection of endpoint samples, restoration of the excavation and completion and upstart of a soil vapor extraction (SVE) system; all as described in the Work Plan.

Laurel Environmental Associates, Ltd. (LEA) and its subcontractors will be responsible for providing materials, equipment and labor required by the HASP. The protocols of the HASP will be followed by all personnel involved in the work, including employees and agents of Contractors, Subcontractors and Owner. Mr. Scott Yanuck, *LEA* Hydrogeologist is the Project Manager, Sheila Bubka is the Health and Safety Officer, and Carla Sullivan is the Quality Assurance/Quality Control Officer for the project.

This HASP establishes the minimum level of personnel protection. Additional measures will be implemented if necessary to protect personnel involved in the work and the public at large.

Conditions at the site are not expected to warrant either Level B or Level C protection during the investigation based on known site conditions. Regardless, all workers present on site will be familiar with proper protection procedures and the HASP. All personnel scheduled to work at the site are 40-hour OSHA HAZWOPER CFR 1910.120 trained, with 8-hour refreshers up to date.

Given the scope of the work, and the type of contaminants on-site, there is a low potential of the surrounding community being negatively impacted by activities which will be conducted during this investigation. *Laurel Environmental Associates, Ltd.* will take every possible step to avoid any type of negative impact.

The Site is currently a vacant fenced lot. Soils will be field screened with a Photoionization Detector (PID) to determine the presence of organic contamination. If an emergency occurs during the measures, which in any event may impact the surrounding community, all appropriate emergency resources listed under the Emergency Contingency Plan Section of this plan will be immediately notified.

2.0 HAZARD EVALUATION

Elevated levels of volatile organic compounds (VOCs) in the atmosphere are not expected to occur during on-site activities. However, the presence of VOCs will be evaluated using a Photoionization Detector (PID). Results from the air monitoring will determine if Level D personnel protection of workers is appropriate or a higher level of protection is required.

During all activities, *LEA* personnel will monitor the area around the excavation using a PID to ensure that the appropriate worker protection is maintained for the level of pollutants found. If air monitoring indicates contaminant concentrations pose a risk to workers, the area will be immediately evacuated. Guidelines that will be followed before continuing are noted in Table 1 on the following page. If conditions warrant, Level B and C protection will be worn.

Table 1
Atmospheric Hazard Guidelines

<u>Hazard</u>	<u>Monitoring Equipment</u>	<u>Measured Level</u>	<u>Action</u>
Explosive Atmosphere	Combustible Gas Indicator	<10% LEL	Continue investigation.
		10%-20% LEL	Continue on-site monitoring with extreme caution as higher levels are encountered.
		>20% LEL	Explosion hazard. Withdraw from area immediately.
Oxygen	Multi RAE	Oxygen conc. <19.5%	Withdraw from area. NOTE: Combustible gas readings are not valid in atmosphere with oxygen levels of less than 19.5%
		19.5% - 23.5%	Continue investigation with caution.
		>23.5%	Fire hazard potential. Discontinue investigation. Withdraw from area.
Organic gases and vapors	PID	Background	Continue work
		5 ppm	Temporarily halt work until average readings drop below 5 ppm
		5 - 25 ppm	Halt work, identify and remedy or abate source
		Above 15 ppm	Continue work once average readings drop below 5 ppm Work must be shut down. Evaluate alternative approaches

Notes:

1. LEL = Lower Explosive Limit

3.0 SITE CONTROL

3.1 Site Work Locations:

Activities involving soil, groundwater and soil vapor sampling will be performed within the fenced boundaries of the property. The work areas are the locations in which the actual activities will occur. Workers entering these areas are required to be protected as defined below. Only authorized personnel, including personnel conducting the work activities involved, and specialized personnel such as subcontractors engaged in well installation and operation of heavy equipment, will be allowed in the work areas. Within the work areas, the levels of protection will be determined based on the degree of hazard present, as detected by the measurements obtained with the PID, and/or other activity-specific monitoring equipment. As an engineering control, a regenerative air blower may be used to reduce the potential for dangerous concentrations of VOCs in the breathing zone near the excavation, if warranted.

3.2 Work Zones:

Work zones will be defined prior to the commencement of work activities. These work zones will limit equipment, operations and personnel in the areas as defined below:

Exclusion Zone - This shall include all areas where potential environmental monitoring has shown or is suspected that a potential chemical hazard may exist to workers. This will include down-wind locations. If a chemical hazard exists at downwind locations, the exclusion zone will be expanded as necessary. The level of PPE required in these areas shall be determined by the Site HSO after air monitoring and on-Site inspection has been conducted. The area shall be clearly delineated from the decontamination area. As work proceeds, the delineation boundary shall be relocated as necessary to prevent the accidental contamination of nearby people and equipment.

Contamination Reduction Zone - This zone will occur at the interface between the Exclusion Zone ("Hot Zone") and Support Zone ("Clean Zone") and shall provide a transfer of personnel and equipment to and from the Support Zone to the Exclusion Zone. This zone is for the decontamination of personnel and equipment prior to entering the Support Zone, and for the physical segregation of the Support Zone and Exclusion Zone. The contamination reduction zone will be placed along the rear alleyway, as close to the Site as possible. Access to the alleyway by the public and employees of commercial business will be restricted during the RIR.

Support Zone - This area is the remainder of the work Site and project Site. The support zone will be staged near company vehicles on East Park Avenue and/or East Chester Street.

The function of the Support Zone includes:

- A. An entry area for personnel, material and equipment to the Exclusion Zone of site operations through the Contamination Reduction Zone
- B. An Exit for decontamination personnel, materials and equipment from the "Decon" area of Site operations
- C. The Housing of Site special services
- D. A storage area for clean safety and work equipment

Small decontamination areas may be set up adjacent to the work area to facilitate decontamination of equipment that is reused throughout the field activity.

3.3 Dust and Odors:

If during sampling, dust or odors emanating from contaminated soils are deemed excessive at adjoining properties and commercial businesses, the sampling process will include misting with water to keep dust levels to a minimum.

3.4 Security:

Periodic security patrols will be conducted to ensure that adequate security is being maintained. Only workers authorized by the field manager may be allowed to enter the Site. Warning signs will be posted to discourage entry by unauthorized personnel. The HSO will brief all visitors of all security and safety plans.

At the end of each work day, the site will be secured with a locked gate and 6 foot chain link fencing.

3.5 Site Communications:

Communications on-Site will be conducted through verbal communications. When out of audible range, verbal communications may be assisted using mobile telephones and two-way radios.

4.0 PERSONAL PROTECTIVE EQUIPMENT

All on-site workers will be familiar with proper protection procedures and this Health and Safety Plan. Level D personal protective clothing will be worn at the outset.

As stated above Level B or C protection will be worn as required. General descriptions of Level C and B protection are presented in Tables 2 and 3 on the following page, respectively. If it is necessary to wear Level B or C protection, the work area shall be separated into three Zones: an Exclusion Zone, a Contamination Reduction Zone, and a Support Zone. No one but protected personnel shall be in the Exclusion and Contamination Reduction Zones. An entrance and exit point shall be designated and monitored to ensure that no unauthorized personnel enter the area. Everyone that enters the area shall log in the field note book with the length of time spent in the area and the task performed noted.

All workers shall wear gloves when handling soil/sludge and apparatus. Gloves shall also be worn while cleaning the sampling equipment.

If any personnel must be lowered into a confined spaces additional procedures must be followed. *LEA* will provide the confined space procedures. *LEA* will monitor the confined space prior to entry and complete the confined space permit. If needed, dilution or exhaust ventilation will be provided to lower contaminant levels.

All persons working in the confined space must have confined space awareness training and a confined space supervisor must be present. *LEA* will perform continuous air monitoring for oxygen, flammability and toxins. At a minimum, carbon monoxide and hydrogen sulfide will be monitored in addition to other site-specific chemicals determined to be a hazard. All personnel working in or monitoring the confined space activities must be properly OSHA confined space entry trained. An approved safety harness and tripod will be employed. Personnel at grade will be constantly monitoring the worker in the pool for signs of fatigue, heat stress or behavior change.

Table 2
LEVEL C PROTECTION

1. Full-face or half-mask, air purifying, canister equipped respirators (NIOSH approved) for those contaminants present.
2. Hooded chemical resistant clothing: (overalls; two-piece chemical-splash-suit; disposable chemical-resistant overalls).
3. Coveralls*
4. Gloves, outer, chemical-resistant
5. Gloves, inner, chemical-resistant
6. Boots (outer), chemical-resistant, steel toe and shank
7. Boot-covers, outer, chemical-resistant, (disposable)*
8. Hard hat
9. Escape mask*
10. Two-way radios (worn under outside protective clothing)
11. Face shield*

*Optional, as applicable.

Table 3
LEVEL B PROTECTION

1. Pressure-demand, full-faceplate self-contained breathing apparatus (SCBA), or pressure demand supplied air respirator with escape SCBA (NIOSH approved)
2. Hooded chemical-resistant clothing (overalls and long-sleeved shirts) jacket; coveralls; one or two-piece chemical-splash suit; disposable chemical-resistant overalls).
3. Coveralls*
4. Gloves, outer chemical-resistant
5. Gloves, inner, chemical-resistant.
6. Boots, outer, chemical resistant steel toe and shank
7. Boot-covers, outer, chemical-resistant (disposable)
8. Hard hat
9. Two-way radios (worn inside encapsulating suit)
10. Face shield*

* Optional, as applicable

5.0 PERSONNEL SAFETY/HYGIENE

The safety practices to be followed by all on-site personnel include:

1. If Level B or C protection must be worn, eating, drinking, chewing gum or tobacco, smoking or any practice that increases the probability of hand-to-mouth transfer and ingestion of materials is prohibited in the Exclusion and Contamination Reduction Zones. All workers must be trained, medically qualified and fit tested in the use of respirators.
2. Hands and face must be thoroughly washed before eating, drinking or any other personal hygiene activities.
3. No excessive facial hair, which interferes with a satisfactory fit of the mask to face seal, is allowed for personnel to wear respiratory protective equipment.

6.0 PERSONNEL TRAINING

At the start of the job before engaging in any work, all personnel will be briefed on the following:

1. The person in charge as safety officer
2. Boundaries, entry and exit point locations of the work zones, if established
3. Use of personnel protection equipment
4. Principles of personnel hygiene
5. Location of first-aid equipment
6. Evacuation procedures to be followed in case of emergencies
7. Heat stress symptoms. All personnel will be advised to watch for signs of heat stress.

New personnel will be briefed on the same points prior to starting work at the site.

7.0 DECONTAMINATION PROCEDURES

If Level B or C protection is worn, decontamination procedures shall be performed in the Contamination Reduction Zone. All disposable garments and spent cartridges/canisters from respiratory equipment will be stored, transported, and properly disposed of in DOT approved 55-gallon drums. Potentially contaminated equipment will be cleaned before leaving the site.

8.0 EMERGENCY CONTINGENCY PLAN

In the event of physical injury, the safety officer or any other qualified person will initiate first aid and, if necessary, call the ambulance. If a chemical exposure is encountered, a physician will be informed, as specifically as possible, of the chemical(s) to which the person had been exposed and the toxicological properties of the chemical(s).

In case of any emergency, the following resources might need to be contacted:

A. Local Resource

Fire Department: **911**

Police Department: **911**

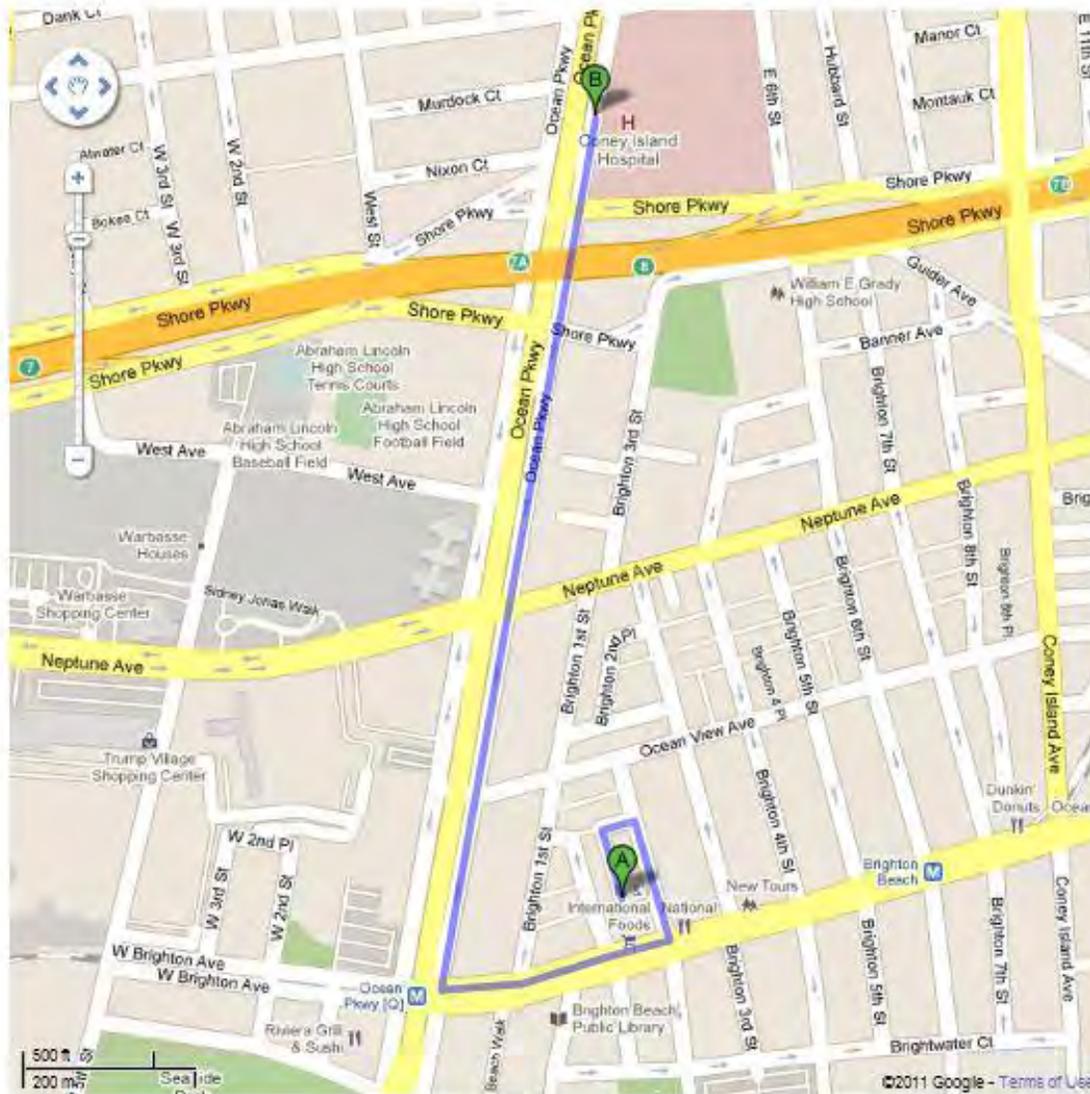
B. Hazardous Waste Spills

New York State Department of Environmental Conservation **1-800-457-7362**

New York City Health, **212-788-5099**

Laurel Environmental Associates, Ltd.: Nights and Weekend Emergencies **516-971-6332**

C. Hospital



A 67 Brighton 1 Path, Brooklyn, NY 11235

1. Head north on Brighton 1 Path/Brighton 1st Path toward Brighton 1st Walk go 278 ft
total 278 ft
- ➡ 2. Take the 1st right onto Brighton 1st Walk go 131 ft
total 407 ft
- ➡ 3. Turn right onto Brighton 2nd St go 479 ft
total 0.2 mi
- ➡ 4. Turn right onto Brighton Beach Ave go 0.2 mi
total 0.3 mi
About 1 min
- ➡ 5. Take the 3rd right onto Ocean Pkwy go 0.8 mi
total 1.0 mi
Destination will be on the right
About 3 mins

B Coney Island Hospital
2601 Ocean Parkway, Brooklyn, NY 11235 - (718) 616-3000

9.0 HEAT STRESS CASUALTY PREVENTION PLAN

A. Identification and Treatment

1) HEAT EXHAUSTION

Symptoms: Usually begins with muscular weakness, dizziness and a staggering gait. Vomiting is frequent. The bowels may move involuntarily. The victim is very pale, his/her skin is clammy and he/she may perspire profusely. The pulse is weak and fast, breathing is shallow. He/she may faint unless he/she lies down. This may pass, but sometimes it remains and death could occur.

First Aid: Immediately remove the victim to a shady or cool area with good air circulation. Remove all protective outerwear. Call a physician. Treat the victim for shock. (Make him lie down, raise his feet 6-12 inches, and keep him warm but loosen all clothing). If the victim is conscious, it may be helpful to give him sips of a salt water solution (1 teaspoon of salt to 1 glass of water). Transport victim to a medical facility.

2) HEAT STROKE

Symptoms: This is the most serious of heat casualties due to the fact that the body excessively overheats. Body temperatures are often are between 107°-110° F. There is often pain in the head, dizziness, nausea, oppression, and a dryness of the skin and mouth. Unconsciousness follows quickly and death is imminent if exposure continues. The attack will usually occur suddenly.

First Aid: Immediately evacuate the victim to a cool and shady area. Remove all protective outer wear and all personal clothing. Lay him on his back with the head and shoulders slightly elevated. It is imperative that the body temperature be lowered immediately. This can be accomplished by applying cold wet towels, ice bags, etc., to the head. Sponge off the bare skin with cool water or rubbing alcohol, if available, or even place him in a tub of cool water. The main objective is to cool him without chilling him. Give no stimulants. Transport the victim to a medical facility as soon as possible.

B. Prevention of Heat Stress

- 1) One of the major causes of heat casualties is the depletion of body fluids. On-site there will be plenty of fluids available. Personnel should replace water and salts lost from perspiration. Salts can be replaced by either a 0.1% salt solution, more heavily salted foods, or commercial mixes such as Gatorade®.
- 2) A work schedule will be established so that the majority of the work day will be during the morning hours of the day before ambient air temperature levels reach their highs if high air temperatures are anticipated.
- 3) A work/rest guideline will be implemented for personnel required to wear Level B protection, if this situation arises. This guideline is as follows:

<u>Ambient Temperatures</u>	<u>Maximum Working Time</u>
Above 90 ° F	< 1 hour
80 ° - 90 ° F	1 hour
70 ° - 80 ° F	2 hours
60 ° - 70 ° F	3 hours
50 ° - 60 ° F	4 hours
40 ° - 50 ° F	5 hours
30 ° - 40 ° F	6 hours
Below 30 ° F	8 hours

A sufficient period will be allowed for personnel to "cool down". This may require separate shifts of workers during operations.

APPENDIX C

Soil Boring Geological Logs

LAUREL ENVIRONMENTAL ASSOCIATES, LTD.

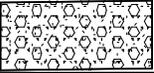
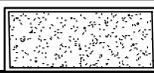
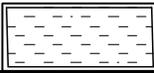
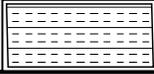
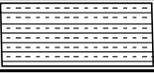
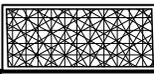
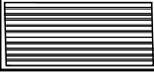
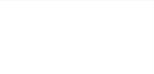
SOIL BORING LOG

DATE:

7/8/2011

Client: <u>Scarano Architects</u>	Boring ID: <u>SB-1</u>
Site Location: <u>67 Brighton 1st Lane, Brooklyn</u>	Boring Location: <u>SB-1</u>
Job#: <u>11-256</u>	Surface Elev. (ft): <u>NA</u>
	DTW (ft): <u>NA</u>

Field Geologist: <u>Scott A. Yanuck/Wala Canario</u>	Drill Type: <u>GeoProbe @ 6610 DT</u>
Driller: <u>Steve Bitetto</u>	Sample Type: <u>Split</u>
Weather Cond.: <u>Sunny with light clouds</u>	<u>Grab</u>
Temp: <u>80 Degrees Fahrenheit</u>	<u>Core X</u>

SOIL TYPE CODES	Boring Profile*	PID (ppm)	Description/Remarks
Well graded gravels or gravel/sand mix (GW) 	0-2'	0	Coarse light brown medium sand ~ last 4" organic soil ark in color
Poorly graded gravels or gravel/sand mix (GP) 	2'	0	Coarse light brown medium sand, at 2' 11" black ashlayer
Well graded sands, gravelly sands, no fines (SW) 	3'	0	Ash layer til ~ 3' 1", coarse light brown medium sand
Poorly graded sands, gravelly sands, no fines (SP) 	4'	0	Light brown well sorted fine sand
Silty sands, sand silt mixtures (SM) 	5'	0	Light brown well sorted fine sand
Inorganic silts, fine sand, silty-clayey fine sands (ML) 	6'	0	Light brown well sorted fine sand
Inorganic clays, gravelly/sandy clays, silty clays (CL) 	7'	0	.5" of silty sand, .5" of well sorted fine sand, sand is wet at 7' 5", slight order of gas
Organic silts, organic silty clays of low plasticity (OL) 	8- 10'	0	Fine well sorted sand
Organic clays of med. to high plasticity, organic silts (OH) 			
Peat and other highly organic soils (PT) 			
Bedrock etc. (BD) 			
Other (fill, etc) 			
Notes:			

* =Depth relative to grade

LAUREL ENVIRONMENTAL ASSOCIATES, LTD.

SOIL BORING LOG

DATE:

7/8/2011

Client: <u>Scarano Architects</u>	Boring ID. <u>SB-2</u>	
Site Location: <u>67 Brighton 1st Lane, Brooklyn</u>	Boring Location: <u>SB-2</u>	
Job#: <u>11-256</u>	Surface Elev. (ft): <u>NA</u>	
	DTW (ft) : <u>NA</u>	

Field Geologist: <u>Scott A. Yanuck/Wala Canario</u>	Drill Type: <u>GeoProbe @ 6610 DT</u>
Driller: <u>Steve Bitetto</u>	Sample Type: <u>Split</u>
Weather Cond. <u>Sunny with light clouds</u>	<u>Grab</u>
Temp: <u>80 Degrees Fahrenheit</u>	<u>Core X</u>

SOIL TYPE CODES		Boring Profile*	PID (ppm)	ption/Remarks
Well graded gravels or gravel/sand mix (GW)		0-2'		Coarse unsorted sediment and (Fill)
Poorly graded gravels or gravel/sand mix (GP)		2-4'		Coarse unsorted sediment with fill and cinder scatter amongst the sample
Well graded sands, gravelly sands, no fines (SW)		4-5'		organic soils black in color fine-medium grain
Poorly graded sands, gravelly sands, no fines (SP)		5-6'.5"		soil/sand fine grain, ash, found a small piece of coal in the sample , at 6' sediment is wet
Silty sands, sand silt mixtures (SM)		6'.5"- 7'.5"		well sorted fine sand
Inorganic silts, fine sand, silty-clayey fine sands (ML)		7'.5"-10'		wet, well sorted fine sand
Inorganic clays, gravelly/sandy clays, silty clays (CL)				
Organic silts, organic silty clays of low plasticity (OL)				
Organic clays of med. to high plasticity, organic silts (OH)				
Peat and other highly organic soils (PT)				
Bedrock etc. (BD)				
Other (fill, etc)				
Notes: The piece of coal that was discovered in Boring profile 5-6'.5" I believe is not part of the natural location due to the fact of the site having lots of debris on the site				

* =Depth relative to grade

LAUREL ENVIRONMENTAL ASSOCIATES, LTD.

SOIL BORING LOG

DATE:

7/8/2011

Client: <u>Scarano Architects</u>	Boring ID. <u>SB-3</u>	
Site Location: <u>67 Brighton 1st Lane, Brooklyn</u>	Boring Location: <u>SB-3</u>	
Job#: <u>11-256</u>	Surface Elev. (ft): <u>NA</u>	
	DTW (ft) : <u>NA</u>	

Field Geologist: <u>Scott A. Yanuck/Wala Canario</u>	Drill Type: <u>GeoProbe @ 6610 DT</u>
Driller: <u>Steve Bitetto</u>	Sample Type: <u>Split</u>
Weather Cond. <u>Sunny with light clouds</u>	<u>Grab</u>
Temp: <u>80 Degrees Fahrenheit</u>	<u>Core X</u>

SOIL TYPE CODES		Boring Profile*	PID (ppm)	ption/Remarks
Well graded gravels or gravel/sand mix (GW)		0-4'	0	Rubble (Brick/concrete/stones)
Poorly graded gravels or gravel/sand mix (GP)		4-5'	0	Organice soil, coarse grained
Well graded sands, gravelly sands, no fines (SW)		5-6'	0	Silty clay ,fine well sorted sands
Poorly graded sands, gravelly sands, no fines (SP)		6-7'	52.8	Well sorted sand, sediment is wet at 6'.5" .5' sediment has a ζ , at 6' sediment is wet
Silty sands, sand silt mixtures (SM)		7-8'	41.6	well sorted sand, sediment is wet.
Inorganic silts, fine sand, silty-clayey fine sands (ML)		8-9'	0	Wet, well sorted fine sand
Inorganic clays, gravelly/sandy clays, silty clays (CL)				
Organic silts, organic silty clays of low plasticity (OL)		9-8'	0	Wet, well sorted fine sand
Organic clays of med. to high plasticity, organic silts (OH)				
Peat and other highly organic soils (PT)				
Bedrock etc. (BD)				
Other (fill, etc)				
Notes: Sample 0-5' was a small sample size				

* =Depth relative to grade

LAUREL ENVIRONMENTAL ASSOCIATES, LTD.

SOIL BORING LOG

DATE:

7/8/2011

Client:	<u>Scarano Architects</u>	Boring ID:	<u>SB-3A</u>
Site Location:	<u>67 Brighton 1st Lane, Brooklyn</u>	Boring Location:	<u>SB-3A</u>
Job#:	<u>11-256</u>	Surface Elev. (ft):	<u>NA</u>
		DTW (ft):	<u>NA</u>

Field Geologist:	<u>Scott A. Yanuck/Wala Canario</u>	Drill Type:	<u>GeoProbe @ 6610 DT</u>
Driller:	<u>Steve Bitetto</u>	Sample Type:	Split <u> </u>
Weather Cond.:	<u>Sunny, few clouds</u>		Grab <u> </u>
Temp:	<u>82 Degrees F</u>		Core <u>X</u>

SOIL TYPE CODES		Boring Profile*	PID (ppm)	Description/Remarks
Well graded gravels or gravel/sand mix (GW)	0	6-8'	0	Organic soil first 6"
Poorly graded gravels or gravel/sand mix (GP)	1			Sediment is wet at 6.5', fine sand
Well graded sands, gravelly sands, no fines (SW)	2			
Poorly graded sands, gravelly sands, no fines (SP)	3			
Silty sands, sand silt mixtures (SM)	4			
Inorganic silts, fine sand, silty-clayey fine sands (ML)	5			
Inorganic clays, gravelly/sandy clays, silty clays (CL)	6			
Organic silts, organic silty clays of low plasticity (OL)	7			
Organic clays of med. to high plasticity, organic silts (OH)	8			
Peat and other highly organic soils (PT)	9			
Bedrock etc. (BD)	10			
Other (fill, etc)	11			
	12			
Notes: There was a very slight smell of petroleum				

* =Depth relative to grade

APPENDIX D

Soil Analytical Results



LIAL# 1071113

July 18, 2011

Page 1 of 74

Laurel Environmental
Scott Yanuck
53 West Hills Road
Huntington Station NY, 11746

Re: 11-257 67 Brighton 1st Ln Brooklyn

Dear Scott Yanuck,

Enclosed please find the Laboratory Analysis Report(s) for sample(s) received on July 11, 2011. Long Island Analytical Laboratories analyzed the samples on July 18, 2011 for the following:

CLIENT ID	ANALYSIS
SB-1 0-2'	EPA 8082, EPA 8260B, EPA 8270C, RCRA 23
SB-2 0-2'	EPA 8082, EPA 8260B, EPA 8270C, RCRA 23
SB-3 0-2'	EPA 8082, EPA 8260B, EPA 8270C, RCRA 23
DUP 0-2'	EPA 8082, EPA 8260B, EPA 8270C, RCRA 23
SB-1 6-8'	EPA 8082, EPA 8260B, EPA 8270C, RCRA 23
SB-2 6-8'	EPA 8082, EPA 8260B, EPA 8270C, RCRA 23
SB-3 8-10'	EPA 8082, EPA 8260B, EPA 8270C, RCRA 23
SB-1/SB-3	EPA 8082, EPA 8260B, EPA 8270C, RCRA 23
Soil Field Blank	EPA 8082, EPA 8260B, EPA 8270C, RCRA 23

Samples received at 4.0 ° C

If you have any questions or require further information, please call at your convenience. Long Island Analytical Laboratories Inc. is a NELAP accredited laboratory. All reported results meet the requirements of the NELAP standards unless noted. Report shall not be reproduced except in full without the written approval of the laboratory. Results related only to items tested. Long Island Analytical Laboratories would like to thank you for the opportunity to be of service to you.

Best Regards,

Michael Veraldi - Laboratory Director

Long Island Analytical Laboratories, Inc.

Client: Laurel Environmental	Client ID: 11-257 67 Brighton 1st Ln Brooklyn
Date (Time) Collected: 07/08/2011 08:30	Sample ID: SB-1 0-2'
Date (Time) Received: 07/11/2011 15:04	Laboratory ID: 1071113-01
Matrix: Soil	ELAP: #11693

Volatile Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
Bromomethane	74-83-9	5.47	<5.47	ug/kg dry	
Chlorodifluoromethane	75-45-6	5.47	<5.47	ug/kg dry	2.B
Chloroethane	75-00-3	5.47	<5.47	ug/kg dry	
Chloromethane	74-87-3	5.47	<5.47	ug/kg dry	
Dichlorodifluoromethane	75-71-8	5.47	<5.47	ug/kg dry	
Vinyl chloride	75-01-4	5.47	<5.47	ug/kg dry	
Trichlorofluoromethane	75-69-4	5.47	<5.47	ug/kg dry	
Acetone	67-64-1	54.7	<54.7	ug/kg dry	
1,1-Dichloroethylene	75-35-4	5.47	<5.47	ug/kg dry	
Methylene Chloride	75-09-2	5.47	<5.47	ug/kg dry	
Carbon disulfide	75-15-0	5.47	<5.47	ug/kg dry	
Methyl-tert-Butyl Ether	1634-04-4	5.47	<5.47	ug/kg dry	
trans-1,2-Dichloroethylene	156-60-5	5.47	<5.47	ug/kg dry	
1,1-Dichloroethane	75-34-3	5.47	<5.47	ug/kg dry	
Vinyl acetate	108-05-4	5.47	<5.47	ug/kg dry	
Methyl Ethyl Ketone (2-Butanone)	78-93-3	10.9	<10.9	ug/kg dry	
cis-1,2-Dichloroethylene	156-59-2	5.47	<5.47	ug/kg dry	
2,2-Dichloropropane	590-20-7	5.47	<5.47	ug/kg dry	
Bromochloromethane	74-97-5	5.47	<5.47	ug/kg dry	
Chloroform	67-66-3	5.47	<5.47	ug/kg dry	
1,1,1-Trichloroethane	71-55-6	5.47	<5.47	ug/kg dry	
1,2-Dichloroethane	107-06-2	5.47	<5.47	ug/kg dry	
1,1-Dichloropropylene	563-58-6	5.47	<5.47	ug/kg dry	
Carbon Tetrachloride	56-23-5	5.47	<5.47	ug/kg dry	
Benzene	71-43-2	5.47	<5.47	ug/kg dry	
Trichloroethylene	79-01-6	5.47	<5.47	ug/kg dry	
1,2-Dichloropropane	78-87-5	5.47	<5.47	ug/kg dry	
Dibromomethane	74-95-3	5.47	<5.47	ug/kg dry	
Bromodichloromethane	75-27-4	5.47	<5.47	ug/kg dry	
2-Chloroethyl Vinyl Ether	110-75-8	5.47	<5.47	ug/kg dry	
Methyl Isobutyl Ketone	108-10-1	10.9	<10.9	ug/kg dry	
cis-1,3-Dichloropropylene	10061-01-5	5.47	<5.47	ug/kg dry	



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ANALYTICAL
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110 Colin Drive • Holbrook, New York 11741

Phone (631) 472-3400 • Fax (631) 472-8505 • Email: LIAL@lialinc.com

Client: Laurel Environmental	Client ID: 11-257 67 Brighton 1st Ln Brooklyn
Date (Time) Collected: 07/08/2011 08:30	Sample ID: SB-1 0-2'
Date (Time) Received: 07/11/2011 15:04	Laboratory ID: 1071113-01
Matrix: Soil	ELAP: #11693

Volatile Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
Toluene	108-88-3	5.47	<5.47	ug/kg dry	
trans-1,3-Dichloropropylene	10061-02-6	5.47	<5.47	ug/kg dry	
1,1,2-Trichloroethane	79-00-5	5.47	<5.47	ug/kg dry	
Methyl Butyl Ketone (2-Hexanone)	591-78-6	5.47	<5.47	ug/kg dry	
1,3-Dichloropropane	142-28-9	5.47	<5.47	ug/kg dry	
Dibromochloromethane	124-48-1	5.47	<5.47	ug/kg dry	
Tetrachloroethylene	127-18-4	5.47	<5.47	ug/kg dry	
1,2-Dibromoethane	106-93-4	5.47	<5.47	ug/kg dry	
Chlorobenzene	108-90-7	5.47	<5.47	ug/kg dry	
1,1,1,2-Tetrachloroethane	630-20-6	5.47	<5.47	ug/kg dry	
Ethylbenzene	100-41-4	5.47	<5.47	ug/kg dry	
m,p-Xylenes	108-38-3/106-42-3	10.9	<10.9	ug/kg dry	
Styrene	100-42-5	5.47	<5.47	ug/kg dry	
o-Xylene	95-47-6	5.47	<5.47	ug/kg dry	
Bromoform	75-25-2	5.47	<5.47	ug/kg dry	
1,1,1,2-Tetrachloroethane	79-34-5	5.47	<5.47	ug/kg dry	
Isopropylbenzene (Cumene)	98-82-8	5.47	<5.47	ug/kg dry	
1,2,3-Trichloropropane	96-18-4	5.47	<5.47	ug/kg dry	
Bromobenzene	108-86-1	5.47	<5.47	ug/kg dry	
n-Propylbenzene	103-65-1	5.47	<5.47	ug/kg dry	
2-Chlorotoluene	95-49-8	5.47	<5.47	ug/kg dry	
4-Ethyltoluene	622-96-8	5.47	<5.47	ug/kg dry	2.B
4-Chlorotoluene	106-43-4	5.47	<5.47	ug/kg dry	
1,3,5-Trimethylbenzene	108-67-8	5.47	<5.47	ug/kg dry	
tert-Butylbenzene	98-06-6	5.47	<5.47	ug/kg dry	
1,2,4-Trimethylbenzene	95-63-6	5.47	<5.47	ug/kg dry	
sec-Butylbenzene	135-98-8	5.47	<5.47	ug/kg dry	
1,3-Dichlorobenzene	541-73-1	5.47	<5.47	ug/kg dry	
4-Isopropyltoluene	99-87-6	5.47	<5.47	ug/kg dry	
1,4-Dichlorobenzene	106-46-7	5.47	<5.47	ug/kg dry	
1,2-Dichlorobenzene	95-50-1	5.47	<5.47	ug/kg dry	



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Client: Laurel Environmental	Client ID: 11-257 67 Brighton 1st Ln Brooklyn
Date (Time) Collected: 07/08/2011 08:30	Sample ID: SB-1 0-2'
Date (Time) Received: 07/11/2011 15:04	Laboratory ID: 1071113-01
Matrix: Soil	ELAP: #11693

Volatile Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
1,4-Diethylbenzene	105-05-5	5.47	<5.47	ug/kg dry	2.B
n-Butylbenzene	104-51-8	5.47	<5.47	ug/kg dry	
1,2-Dibromo-3-chloropropane	96-12-8	5.47	<5.47	ug/kg dry	
1,2,4,5-Tetramethylbenzene	95-93-2	5.47	<5.47	ug/kg dry	2.B
1,2,4-Trichlorobenzene	120-82-1	5.47	<5.47	ug/kg dry	
Naphthalene	91-20-3	5.47	<5.47	ug/kg dry	
Hexachlorobutadiene	87-68-3	5.47	<5.47	ug/kg dry	
Acrylonitrile	107-13-1	5.47	<5.47	ug/kg dry	
1,4-Dioxane	123-91-1	5.47	<5.47	ug/kg dry	
Acrolein	107-02-8	5.47	<5.47	ug/kg dry	

Date Extracted: 07/12/2011

Preparation Method: EPA 5030C Modified

Date Analyzed: 07/12/2011

Analytical Method: EPA 8260B



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Date (Time) Received: 07/11/2011 15:04	Laboratory ID: 1071113-01
Matrix: Soil	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
Pyridine	110-86-1	43.7	<43.7	ug/kg dry	
N-Nitrosodimethylamine	62-75-9	43.7	<43.7	ug/kg dry	
Phenol	108-95-2	43.7	<43.7	ug/kg dry	
Aniline	62-53-3	43.7	<43.7	ug/kg dry	
2-Chlorophenol	95-57-8	43.7	<43.7	ug/kg dry	
Bis(2-Chloroethyl)ether	111-44-4	43.7	<43.7	ug/kg dry	
1,3-Dichlorobenzene	541-73-1	43.7	<43.7	ug/kg dry	
1,4-Dichlorobenzene	106-46-7	43.7	<43.7	ug/kg dry	
Benzyl alcohol	100-51-6	43.7	<43.7	ug/kg dry	
1,2-Dichlorobenzene	95-50-1	43.7	<43.7	ug/kg dry	
2-Methylphenol	95-48-7	43.7	<43.7	ug/kg dry	
Bis(2-chloroisopropyl)ether	39638-32-9	43.7	<43.7	ug/kg dry	
Hexachloroethane	67-72-1	43.7	<43.7	ug/kg dry	
3/4-Methylphenol	108-39-4/106-44-5	43.7	<43.7	ug/kg dry	
N-Nitroso-di-n-propylamine	621-64-7	43.7	<43.7	ug/kg dry	
Nitrobenzene	98-95-3	43.7	<43.7	ug/kg dry	
Isophorone	78-59-1	43.7	<43.7	ug/kg dry	
2-Nitrophenol	88-75-5	43.7	<43.7	ug/kg dry	
2,4-Dimethylphenol	105-67-9	43.7	<43.7	ug/kg dry	
Benzoic Acid	65-85-0	43.7	<43.7	ug/kg dry	
bis(2-Chloroethoxy)methane	111-91-1	43.7	<43.7	ug/kg dry	
2,4-Dichlorophenol	120-83-2	43.7	<43.7	ug/kg dry	
1,2,4-Trichlorobenzene	120-82-1	43.7	<43.7	ug/kg dry	
Naphthalene	91-20-3	43.7	<43.7	ug/kg dry	
4-Chloroaniline	106-47-8	43.7	<43.7	ug/kg dry	
Hexachlorobutadiene	87-68-3	43.7	<43.7	ug/kg dry	
4-Chloro-3-methylphenol	59-50-7	43.7	<43.7	ug/kg dry	
2-Methylnaphthalene	91-57-6	43.7	<43.7	ug/kg dry	
Hexachlorocyclopentadiene	77-47-4	43.7	<43.7	ug/kg dry	
2,4,6-Trichlorophenol	88-06-2	43.7	<43.7	ug/kg dry	
2,4,5-Trichlorophenol	95-95-4	43.7	<43.7	ug/kg dry	
2-Chloronaphthalene	91-58-7	43.7	<43.7	ug/kg dry	



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Matrix: Soil	ELAP: #11693

Semivolatle Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
2-Nitroaniline	88-74-4	43.7	<43.7	ug/kg dry	
Dimethyl phthalate	131-11-3	43.7	<43.7	ug/kg dry	
Acenaphthylene	208-96-8	43.7	<43.7	ug/kg dry	
2,6-Dinitrotoluene	606-20-2	43.7	<43.7	ug/kg dry	
3-Nitroaniline	99-09-2	43.7	<43.7	ug/kg dry	
Acenaphthene	83-32-9	43.7	<43.7	ug/kg dry	
2,4-Dinitrophenol	51-28-5	43.7	<43.7	ug/kg dry	
Dibenzofuran	132-64-9	43.7	<43.7	ug/kg dry	
4-Nitrophenol	100-02-7	43.7	<43.7	ug/kg dry	
2,4-Dinitrotoluene	121-14-2	43.7	<43.7	ug/kg dry	
Fluorene	86-73-7	43.7	<43.7	ug/kg dry	
Diethyl phthalate	84-66-2	43.7	<43.7	ug/kg dry	
4-Chlorophenyl phenyl ether	7005-72-3	43.7	<43.7	ug/kg dry	
4-Nitroaniline	100-01-6	43.7	<43.7	ug/kg dry	
4,6-Dinitro-2-methylphenol	534-52-1	43.7	<43.7	ug/kg dry	
N-Nitrosodiphenylamine	86-30-6	43.7	<43.7	ug/kg dry	
Azobenzene	103-33-3	43.7	<43.7	ug/kg dry	
4-Bromophenyl phenyl ether	101-55-3	43.7	<43.7	ug/kg dry	
Hexachlorobenzene	118-74-1	43.7	<43.7	ug/kg dry	
Pentachlorophenol	87-86-5	43.7	<43.7	ug/kg dry	
Phenanthrene	85-01-8	43.7	137	ug/kg dry	4.B
Anthracene	120-12-7	43.7	<43.7	ug/kg dry	
Carbazole	86-74-8	43.7	<43.7	ug/kg dry	
Di-n-butyl phthalate	84-74-2	43.7	<43.7	ug/kg dry	
Fluoranthene	206-44-0	43.7	324	ug/kg dry	
Pyrene	129-00-0	43.7	292	ug/kg dry	
Benzdine	92-87-5	43.7	<43.7	ug/kg dry	4.G
Butyl benzyl phthalate	85-68-7	43.7	<43.7	ug/kg dry	
Benzo(a)anthracene	56-55-3	43.7	201	ug/kg dry	
Chrysene	218-01-9	43.7	186	ug/kg dry	
3,3'-Dichlorobenzidine	91-94-1	43.7	<43.7	ug/kg dry	4.K



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Matrix: Soil	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
Bis(2-Ethylhexyl)phthalate	117-81-7	43.7	135	ug/kg dry	4.B
Di-n-octyl phthalate	117-84-0	43.7	<43.7	ug/kg dry	
Benzo(b)fluoranthene	205-99-2	43.7	253	ug/kg dry	
Benzo(k)fluoranthene	207-08-9	43.7	91.8	ug/kg dry	4.B
Benzo(a)pyrene	50-32-8	43.7	182	ug/kg dry	
Indeno(1,2,3-cd)pyrene	193-39-5	43.7	86.7	ug/kg dry	4.B
Dibenzo(a,h)anthracene	53-70-3	43.7	<43.7	ug/kg dry	
Benzo(g,h,i)perylene	191-24-2	43.7	104	ug/kg dry	4.B

Date Extracted: 07/11/2011

Preparation Method: EPA 3545

Date Analyzed: 07/13/2011

Analytical Method: EPA 8270C



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Date (Time) Collected: 07/08/2011 08:30	Sample ID: SB-1 0-2'
Date (Time) Received: 07/11/2011 15:04	Laboratory ID: 1071113-01
Matrix: Soil	ELAP: #11693

PCB/Aroclor Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
Aroclor-1016	12674-11-2	21.9	<21.9	ug/kg dry	
Aroclor-1260	11096-82-5	21.9	<21.9	ug/kg dry	
Aroclor 1221	11104-28-2	21.9	<21.9	ug/kg dry	
Aroclor 1232	11141-16-5	21.9	<21.9	ug/kg dry	
Aroclor 1242	53469-21-9	21.9	<21.9	ug/kg dry	
Aroclor 1248	12672-29-6	21.9	<21.9	ug/kg dry	
Aroclor 1254	11097-69-1	21.9	<21.9	ug/kg dry	

Date Extracted: 07/12/2011

Preparation Method: EPA 3545

Date Analyzed: 07/15/2011

Analytical Method: EPA 8082



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Date (Time) Received: 07/11/2011 15:04	Laboratory ID: 1071113-01
Matrix: Soil	ELAP: #11693

Total Metals Analysis

Parameter	Date Analyzed	Method	MRL	Result	Units	Flag
Aluminum	07/12/2011	EPA 6010B	171	4450	mg/kg dry	4.F
Antimony	07/12/2011	EPA 6010B	1.71	<1.71	mg/kg dry	
Arsenic	07/12/2011	EPA 6010B	1.71	2.59	mg/kg dry	
Barium	07/12/2011	EPA 6010B	34.6	723	mg/kg dry	4.F
Beryllium	07/12/2011	EPA 6010B	1.71	<1.71	mg/kg dry	
Cadmium	07/12/2011	EPA 6010B	1.04	<1.04	mg/kg dry	
Calcium	07/12/2011	EPA 6010B	85.6	3160	mg/kg dry	4.F
Chromium	07/12/2011	EPA 6010B	1.71	12.1	mg/kg dry	
Cobalt	07/12/2011	EPA 6010B	1.71	5.31	mg/kg dry	
Copper	07/12/2011	EPA 6010B	17.1	179	mg/kg dry	4.F
Iron	07/12/2011	EPA 6010B	171	11600	mg/kg dry	4.F
Lead	07/12/2011	EPA 6010B	17.1	1700	mg/kg dry	4.F
Magnesium	07/12/2011	EPA 6010B	17.1	1730	mg/kg dry	
Manganese	07/12/2011	EPA 6010B	85.6	253	mg/kg dry	4.F
Nickel	07/12/2011	EPA 6010B	1.71	15.6	mg/kg dry	
Potassium	07/12/2011	EPA 6010B	1.71	915	mg/kg dry	4.H
Selenium	07/12/2011	EPA 6010B	1.71	<1.71	mg/kg dry	
Silver	07/12/2011	EPA 6010B	1.71	<1.71	mg/kg dry	
Sodium	07/12/2011	EPA 6010B	85.6	1810	mg/kg dry	4.F
Thallium	07/12/2011	EPA 6010B	1.71	<1.71	mg/kg dry	
Vanadium	07/12/2011	EPA 6010B	1.71	17.6	mg/kg dry	
Zinc	07/12/2011	EPA 6010B	17.1	286	mg/kg dry	4.F

Date Extracted: 07/12/2011

Preparation Method: EPA 3050B

Date Analyzed: 07/12/2011

Analytical Method: EPA 6010B

Mercury	07/13/2011	EPA 7471A	0.02	0.05	mg/kg dry	
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Date Extracted: 07/12/2011

Preparation Method: EPA 7471A

Date Analyzed: 07/13/2011

Analytical Method: EPA 7471A



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Client: Laurel Environmental	Client ID: 11-257 67 Brighton 1st Ln Brooklyn
Date (Time) Collected: 07/08/2011 08:30	Sample ID: SB-2 0-2'
Date (Time) Received: 07/11/2011 15:04	Laboratory ID: 1071113-02
Matrix: Soil	ELAP: #11693

Volatile Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
Bromomethane	74-83-9	5.51	<5.51	ug/kg dry	
Chlorodifluoromethane	75-45-6	5.51	<5.51	ug/kg dry	2.B
Chloroethane	75-00-3	5.51	<5.51	ug/kg dry	
Chloromethane	74-87-3	5.51	<5.51	ug/kg dry	
Dichlorodifluoromethane	75-71-8	5.51	<5.51	ug/kg dry	
Vinyl chloride	75-01-4	5.51	<5.51	ug/kg dry	
Trichlorofluoromethane	75-69-4	5.51	<5.51	ug/kg dry	
Acetone	67-64-1	55.1	<55.1	ug/kg dry	
1,1-Dichloroethylene	75-35-4	5.51	<5.51	ug/kg dry	
Methylene Chloride	75-09-2	5.51	<5.51	ug/kg dry	
Carbon disulfide	75-15-0	5.51	<5.51	ug/kg dry	
Methyl-tert-Butyl Ether	1634-04-4	5.51	<5.51	ug/kg dry	
trans-1,2-Dichloroethylene	156-60-5	5.51	<5.51	ug/kg dry	
1,1-Dichloroethane	75-34-3	5.51	<5.51	ug/kg dry	
Vinyl acetate	108-05-4	5.51	<5.51	ug/kg dry	
Methyl Ethyl Ketone (2-Butanone)	78-93-3	11.0	<11.0	ug/kg dry	
cis-1,2-Dichloroethylene	156-59-2	5.51	<5.51	ug/kg dry	
2,2-Dichloropropane	590-20-7	5.51	<5.51	ug/kg dry	
Bromochloromethane	74-97-5	5.51	<5.51	ug/kg dry	
Chloroform	67-66-3	5.51	<5.51	ug/kg dry	
1,1,1-Trichloroethane	71-55-6	5.51	<5.51	ug/kg dry	
1,2-Dichloroethane	107-06-2	5.51	<5.51	ug/kg dry	
1,1-Dichloropropylene	563-58-6	5.51	<5.51	ug/kg dry	
Carbon Tetrachloride	56-23-5	5.51	<5.51	ug/kg dry	
Benzene	71-43-2	5.51	<5.51	ug/kg dry	
Trichloroethylene	79-01-6	5.51	<5.51	ug/kg dry	
1,2-Dichloropropane	78-87-5	5.51	<5.51	ug/kg dry	
Dibromomethane	74-95-3	5.51	<5.51	ug/kg dry	
Bromodichloromethane	75-27-4	5.51	<5.51	ug/kg dry	
2-Chloroethyl Vinyl Ether	110-75-8	5.51	<5.51	ug/kg dry	
Methyl Isobutyl Ketone	108-10-1	11.0	<11.0	ug/kg dry	
cis-1,3-Dichloropropylene	10061-01-5	5.51	<5.51	ug/kg dry	



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Date (Time) Received: 07/11/2011 15:04	Laboratory ID: 1071113-02
Matrix: Soil	ELAP: #11693

Volatile Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
Toluene	108-88-3	5.51	<5.51	ug/kg dry	
trans-1,3-Dichloropropylene	10061-02-6	5.51	<5.51	ug/kg dry	
1,1,2-Trichloroethane	79-00-5	5.51	<5.51	ug/kg dry	
Methyl Butyl Ketone (2-Hexanone)	591-78-6	5.51	<5.51	ug/kg dry	
1,3-Dichloropropane	142-28-9	5.51	<5.51	ug/kg dry	
Dibromochloromethane	124-48-1	5.51	<5.51	ug/kg dry	
Tetrachloroethylene	127-18-4	5.51	<5.51	ug/kg dry	
1,2-Dibromoethane	106-93-4	5.51	<5.51	ug/kg dry	
Chlorobenzene	108-90-7	5.51	<5.51	ug/kg dry	
1,1,1,2-Tetrachloroethane	630-20-6	5.51	<5.51	ug/kg dry	
Ethylbenzene	100-41-4	5.51	<5.51	ug/kg dry	
m,p-Xylenes	108-38-3/106-42-3	11.0	<11.0	ug/kg dry	
Styrene	100-42-5	5.51	<5.51	ug/kg dry	
o-Xylene	95-47-6	5.51	<5.51	ug/kg dry	
Bromoform	75-25-2	5.51	<5.51	ug/kg dry	
1,1,2,2-Tetrachloroethane	79-34-5	5.51	<5.51	ug/kg dry	
Isopropylbenzene (Cumene)	98-82-8	5.51	<5.51	ug/kg dry	
1,2,3-Trichloropropane	96-18-4	5.51	<5.51	ug/kg dry	
Bromobenzene	108-86-1	5.51	<5.51	ug/kg dry	
n-Propylbenzene	103-65-1	5.51	<5.51	ug/kg dry	
2-Chlorotoluene	95-49-8	5.51	<5.51	ug/kg dry	
4-Ethyltoluene	622-96-8	5.51	<5.51	ug/kg dry	2.B
4-Chlorotoluene	106-43-4	5.51	<5.51	ug/kg dry	
1,3,5-Trimethylbenzene	108-67-8	5.51	<5.51	ug/kg dry	
tert-Butylbenzene	98-06-6	5.51	<5.51	ug/kg dry	
1,2,4-Trimethylbenzene	95-63-6	5.51	<5.51	ug/kg dry	
sec-Butylbenzene	135-98-8	5.51	<5.51	ug/kg dry	
1,3-Dichlorobenzene	541-73-1	5.51	<5.51	ug/kg dry	
4-Isopropyltoluene	99-87-6	5.51	<5.51	ug/kg dry	
1,4-Dichlorobenzene	106-46-7	5.51	<5.51	ug/kg dry	
1,2-Dichlorobenzene	95-50-1	5.51	<5.51	ug/kg dry	



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Date (Time) Received: 07/11/2011 15:04	Laboratory ID: 1071113-02
Matrix: Soil	ELAP: #11693

Volatile Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
1,4-Diethylbenzene	105-05-5	5.51	<5.51	ug/kg dry	2.B
n-Butylbenzene	104-51-8	5.51	<5.51	ug/kg dry	
1,2-Dibromo-3-chloropropane	96-12-8	5.51	<5.51	ug/kg dry	
1,2,4,5-Tetramethylbenzene	95-93-2	5.51	<5.51	ug/kg dry	2.B
1,2,4-Trichlorobenzene	120-82-1	5.51	<5.51	ug/kg dry	
Naphthalene	91-20-3	5.51	<5.51	ug/kg dry	
Hexachlorobutadiene	87-68-3	5.51	<5.51	ug/kg dry	
Acrylonitrile	107-13-1	5.51	<5.51	ug/kg dry	
1,4-Dioxane	123-91-1	5.51	<5.51	ug/kg dry	
Acrolein	107-02-8	5.51	<5.51	ug/kg dry	

Date Extracted: 07/12/2011

Preparation Method: EPA 5030C Modified

Date Analyzed: 07/12/2011

Analytical Method: EPA 8260B



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Date (Time) Received: 07/11/2011 15:04	Laboratory ID: 1071113-02
Matrix: Soil	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
Pyridine	110-86-1	44.1	<44.1	ug/kg dry	
N-Nitrosodimethylamine	62-75-9	44.1	<44.1	ug/kg dry	
Phenol	108-95-2	44.1	<44.1	ug/kg dry	
Aniline	62-53-3	44.1	<44.1	ug/kg dry	
2-Chlorophenol	95-57-8	44.1	<44.1	ug/kg dry	
Bis(2-Chloroethyl)ether	111-44-4	44.1	<44.1	ug/kg dry	
1,3-Dichlorobenzene	541-73-1	44.1	<44.1	ug/kg dry	
1,4-Dichlorobenzene	106-46-7	44.1	<44.1	ug/kg dry	
Benzyl alcohol	100-51-6	44.1	<44.1	ug/kg dry	
1,2-Dichlorobenzene	95-50-1	44.1	<44.1	ug/kg dry	
2-Methylphenol	95-48-7	44.1	<44.1	ug/kg dry	
Bis(2-chloroisopropyl)ether	39638-32-9	44.1	<44.1	ug/kg dry	
Hexachloroethane	67-72-1	44.1	<44.1	ug/kg dry	
3/4-Methylphenol	108-39-4/106-44-5	44.1	<44.1	ug/kg dry	
N-Nitroso-di-n-propylamine	621-64-7	44.1	<44.1	ug/kg dry	
Nitrobenzene	98-95-3	44.1	<44.1	ug/kg dry	
Isophorone	78-59-1	44.1	<44.1	ug/kg dry	
2-Nitrophenol	88-75-5	44.1	<44.1	ug/kg dry	
2,4-Dimethylphenol	105-67-9	44.1	<44.1	ug/kg dry	
Benzoic Acid	65-85-0	44.1	<44.1	ug/kg dry	
bis(2-Chloroethoxy)methane	111-91-1	44.1	<44.1	ug/kg dry	
2,4-Dichlorophenol	120-83-2	44.1	<44.1	ug/kg dry	
1,2,4-Trichlorobenzene	120-82-1	44.1	<44.1	ug/kg dry	
Naphthalene	91-20-3	44.1	<44.1	ug/kg dry	
4-Chloroaniline	106-47-8	44.1	<44.1	ug/kg dry	
Hexachlorobutadiene	87-68-3	44.1	<44.1	ug/kg dry	
4-Chloro-3-methylphenol	59-50-7	44.1	<44.1	ug/kg dry	
2-Methylnaphthalene	91-57-6	44.1	<44.1	ug/kg dry	
Hexachlorocyclopentadiene	77-47-4	44.1	<44.1	ug/kg dry	
2,4,6-Trichlorophenol	88-06-2	44.1	<44.1	ug/kg dry	
2,4,5-Trichlorophenol	95-95-4	44.1	<44.1	ug/kg dry	
2-Chloronaphthalene	91-58-7	44.1	<44.1	ug/kg dry	



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Client: Laurel Environmental	Client ID: 11-257 67 Brighton 1st Ln Brooklyn
Date (Time) Collected: 07/08/2011 08:30	Sample ID: SB-2 0-2'
Date (Time) Received: 07/11/2011 15:04	Laboratory ID: 1071113-02
Matrix: Soil	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
2-Nitroaniline	88-74-4	44.1	<44.1	ug/kg dry	
Dimethyl phthalate	131-11-3	44.1	<44.1	ug/kg dry	
Acenaphthylene	208-96-8	44.1	<44.1	ug/kg dry	
2,6-Dinitrotoluene	606-20-2	44.1	<44.1	ug/kg dry	
3-Nitroaniline	99-09-2	44.1	<44.1	ug/kg dry	
Acenaphthene	83-32-9	44.1	99.3	ug/kg dry	4.B
2,4-Dinitrophenol	51-28-5	44.1	<44.1	ug/kg dry	
Dibenzofuran	132-64-9	44.1	72.8	ug/kg dry	4.B
4-Nitrophenol	100-02-7	44.1	<44.1	ug/kg dry	
2,4-Dinitrotoluene	121-14-2	44.1	<44.1	ug/kg dry	
Fluorene	86-73-7	44.1	81.6	ug/kg dry	4.B
Diethyl phthalate	84-66-2	44.1	<44.1	ug/kg dry	
4-Chlorophenyl phenyl ether	7005-72-3	44.1	<44.1	ug/kg dry	
4-Nitroaniline	100-01-6	44.1	<44.1	ug/kg dry	
4,6-Dinitro-2-methylphenol	534-52-1	44.1	<44.1	ug/kg dry	
N-Nitrosodiphenylamine	86-30-6	44.1	<44.1	ug/kg dry	
Azobenzene	103-33-3	44.1	<44.1	ug/kg dry	
4-Bromophenyl phenyl ether	101-55-3	44.1	<44.1	ug/kg dry	
Hexachlorobenzene	118-74-1	44.1	<44.1	ug/kg dry	
Pentachlorophenol	87-86-5	44.1	<44.1	ug/kg dry	
Phenanthrene	85-01-8	44.1	1250	ug/kg dry	
Anthracene	120-12-7	44.1	289	ug/kg dry	
Carbazole	86-74-8	44.1	120	ug/kg dry	4.B
Di-n-butyl phthalate	84-74-2	44.1	<44.1	ug/kg dry	
Fluoranthene	206-44-0	44.1	1560	ug/kg dry	
Pyrene	129-00-0	44.1	1280	ug/kg dry	
Benidine	92-87-5	44.1	<44.1	ug/kg dry	4.G
Butyl benzyl phthalate	85-68-7	44.1	<44.1	ug/kg dry	
Benzo(a)anthracene	56-55-3	44.1	714	ug/kg dry	
Chrysene	218-01-9	44.1	707	ug/kg dry	
3,3'-Dichlorobenzidine	91-94-1	44.1	<44.1	ug/kg dry	4.K



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Matrix: Soil	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
Bis(2-Ethylhexyl)phthalate	117-81-7	44.1	342	ug/kg dry	
Di-n-octyl phthalate	117-84-0	44.1	<44.1	ug/kg dry	
Benzo(b)fluoranthene	205-99-2	44.1	824	ug/kg dry	
Benzo(k)fluoranthene	207-08-9	44.1	328	ug/kg dry	
Benzo(a)pyrene	50-32-8	44.1	643	ug/kg dry	
Indeno(1,2,3-cd)pyrene	193-39-5	44.1	268	ug/kg dry	
Dibenzo(a,h)anthracene	53-70-3	44.1	95.6	ug/kg dry	4.B
Benzo(g,h,i)perylene	191-24-2	44.1	323	ug/kg dry	

Date Extracted: 07/11/2011

Preparation Method: EPA 3545

Date Analyzed: 07/13/2011

Analytical Method: EPA 8270C



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Date (Time) Collected: 07/08/2011 08:30	Sample ID: SB-2 0-2'
Date (Time) Received: 07/11/2011 15:04	Laboratory ID: 1071113-02
Matrix: Soil	ELAP: #11693

PCB/Aroclor Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
Aroclor-1016	12674-11-2	22.1	<22.1	ug/kg dry	4.L
Aroclor-1260	11096-82-5	22.1	<22.1	ug/kg dry	4.L
Aroclor 1221	11104-28-2	22.1	<22.1	ug/kg dry	4.L
Aroclor 1232	11141-16-5	22.1	<22.1	ug/kg dry	4.L
Aroclor 1242	53469-21-9	22.1	<22.1	ug/kg dry	4.L
Aroclor 1248	12672-29-6	22.1	<22.1	ug/kg dry	4.L
Aroclor 1254	11097-69-1	22.1	<22.1	ug/kg dry	4.L

Date Extracted: 07/12/2011

Preparation Method: EPA 3545

Date Analyzed: 07/15/2011

Analytical Method: EPA 8082



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Matrix: Soil	ELAP: #11693

Total Metals Analysis

Parameter	Date Analyzed	Method	MRL	Result	Units	Flag
Aluminum	07/12/2011	EPA 6010B	171	4790	mg/kg dry	4.F
Antimony	07/12/2011	EPA 6010B	1.71	<1.71	mg/kg dry	
Arsenic	07/12/2011	EPA 6010B	1.71	2.57	mg/kg dry	
Barium	07/12/2011	EPA 6010B	34.5	741	mg/kg dry	4.F
Beryllium	07/12/2011	EPA 6010B	1.71	<1.71	mg/kg dry	
Cadmium	07/12/2011	EPA 6010B	1.04	<1.04	mg/kg dry	
Calcium	07/12/2011	EPA 6010B	85.6	3310	mg/kg dry	4.F
Chromium	07/12/2011	EPA 6010B	1.71	13.4	mg/kg dry	
Cobalt	07/12/2011	EPA 6010B	1.71	5.20	mg/kg dry	
Copper	07/12/2011	EPA 6010B	17.1	341	mg/kg dry	4.F
Iron	07/12/2011	EPA 6010B	171	13000	mg/kg dry	4.F
Lead	07/12/2011	EPA 6010B	171	2030	mg/kg dry	4.F
Magnesium	07/12/2011	EPA 6010B	17.1	1820	mg/kg dry	
Manganese	07/12/2011	EPA 6010B	85.6	246	mg/kg dry	4.F
Nickel	07/12/2011	EPA 6010B	1.71	12.9	mg/kg dry	
Potassium	07/12/2011	EPA 6010B	1.71	1120	mg/kg dry	4.H
Selenium	07/12/2011	EPA 6010B	1.71	<1.71	mg/kg dry	
Silver	07/12/2011	EPA 6010B	1.71	<1.71	mg/kg dry	
Sodium	07/12/2011	EPA 6010B	85.6	1750	mg/kg dry	4.F
Thallium	07/12/2011	EPA 6010B	1.71	<1.71	mg/kg dry	
Vanadium	07/12/2011	EPA 6010B	1.71	17.6	mg/kg dry	
Zinc	07/12/2011	EPA 6010B	17.1	253	mg/kg dry	4.F

Date Extracted: 07/12/2011

Preparation Method: EPA 3050B

Date Analyzed: 07/12/2011

Analytical Method: EPA 6010B

Mercury	07/13/2011	EPA 7471A	0.02	0.04	mg/kg dry	
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Date Extracted: 07/12/2011

Preparation Method: EPA 7471A

Date Analyzed: 07/13/2011

Analytical Method: EPA 7471A



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Client: Laurel Environmental	Client ID: 11-257 67 Brighton 1st Ln Brooklyn
Date (Time) Collected: 07/08/2011 08:30	Sample ID: SB-3 0-2'
Date (Time) Received: 07/11/2011 15:04	Laboratory ID: 1071113-03
Matrix: Soil	ELAP: #11693

Volatile Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
Bromomethane	74-83-9	5.43	<5.43	ug/kg dry	
Chlorodifluoromethane	75-45-6	5.43	<5.43	ug/kg dry	2.B
Chloroethane	75-00-3	5.43	<5.43	ug/kg dry	
Chloromethane	74-87-3	5.43	<5.43	ug/kg dry	
Dichlorodifluoromethane	75-71-8	5.43	<5.43	ug/kg dry	
Vinyl chloride	75-01-4	5.43	<5.43	ug/kg dry	
Trichlorofluoromethane	75-69-4	5.43	<5.43	ug/kg dry	
Acetone	67-64-1	54.3	<54.3	ug/kg dry	
1,1-Dichloroethylene	75-35-4	5.43	<5.43	ug/kg dry	
Methylene Chloride	75-09-2	5.43	<5.43	ug/kg dry	
Carbon disulfide	75-15-0	5.43	<5.43	ug/kg dry	
Methyl-tert-Butyl Ether	1634-04-4	5.43	<5.43	ug/kg dry	
trans-1,2-Dichloroethylene	156-60-5	5.43	<5.43	ug/kg dry	
1,1-Dichloroethane	75-34-3	5.43	<5.43	ug/kg dry	
Vinyl acetate	108-05-4	5.43	<5.43	ug/kg dry	
Methyl Ethyl Ketone (2-Butanone)	78-93-3	10.9	<10.9	ug/kg dry	
cis-1,2-Dichloroethylene	156-59-2	5.43	<5.43	ug/kg dry	
2,2-Dichloropropane	590-20-7	5.43	<5.43	ug/kg dry	
Bromochloromethane	74-97-5	5.43	<5.43	ug/kg dry	
Chloroform	67-66-3	5.43	<5.43	ug/kg dry	
1,1,1-Trichloroethane	71-55-6	5.43	<5.43	ug/kg dry	
1,2-Dichloroethane	107-06-2	5.43	<5.43	ug/kg dry	
1,1-Dichloropropylene	563-58-6	5.43	<5.43	ug/kg dry	
Carbon Tetrachloride	56-23-5	5.43	<5.43	ug/kg dry	
Benzene	71-43-2	5.43	<5.43	ug/kg dry	
Trichloroethylene	79-01-6	5.43	<5.43	ug/kg dry	
1,2-Dichloropropane	78-87-5	5.43	<5.43	ug/kg dry	
Dibromomethane	74-95-3	5.43	<5.43	ug/kg dry	
Bromodichloromethane	75-27-4	5.43	<5.43	ug/kg dry	
2-Chloroethyl Vinyl Ether	110-75-8	5.43	<5.43	ug/kg dry	
Methyl Isobutyl Ketone	108-10-1	10.9	<10.9	ug/kg dry	
cis-1,3-Dichloropropylene	10061-01-5	5.43	<5.43	ug/kg dry	



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Matrix: Soil	ELAP: #11693

Volatile Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
Toluene	108-88-3	5.43	<5.43	ug/kg dry	
trans-1,3-Dichloropropylene	10061-02-6	5.43	<5.43	ug/kg dry	
1,1,2-Trichloroethane	79-00-5	5.43	<5.43	ug/kg dry	
Methyl Butyl Ketone (2-Hexanone)	591-78-6	5.43	<5.43	ug/kg dry	
1,3-Dichloropropane	142-28-9	5.43	<5.43	ug/kg dry	
Dibromochloromethane	124-48-1	5.43	<5.43	ug/kg dry	
Tetrachloroethylene	127-18-4	5.43	<5.43	ug/kg dry	
1,2-Dibromoethane	106-93-4	5.43	<5.43	ug/kg dry	
Chlorobenzene	108-90-7	5.43	<5.43	ug/kg dry	
1,1,1,2-Tetrachloroethane	630-20-6	5.43	<5.43	ug/kg dry	
Ethylbenzene	100-41-4	5.43	<5.43	ug/kg dry	
m,p-Xylenes	108-38-3/106-42-3	10.9	<10.9	ug/kg dry	
Styrene	100-42-5	5.43	<5.43	ug/kg dry	
o-Xylene	95-47-6	5.43	<5.43	ug/kg dry	
Bromoform	75-25-2	5.43	<5.43	ug/kg dry	
1,1,1,2-Tetrachloroethane	79-34-5	5.43	<5.43	ug/kg dry	
Isopropylbenzene (Cumene)	98-82-8	5.43	<5.43	ug/kg dry	
1,2,3-Trichloropropane	96-18-4	5.43	<5.43	ug/kg dry	
Bromobenzene	108-86-1	5.43	<5.43	ug/kg dry	
n-Propylbenzene	103-65-1	5.43	<5.43	ug/kg dry	
2-Chlorotoluene	95-49-8	5.43	<5.43	ug/kg dry	
4-Ethyltoluene	622-96-8	5.43	<5.43	ug/kg dry	2.B
4-Chlorotoluene	106-43-4	5.43	<5.43	ug/kg dry	
1,3,5-Trimethylbenzene	108-67-8	5.43	<5.43	ug/kg dry	
tert-Butylbenzene	98-06-6	5.43	<5.43	ug/kg dry	
1,2,4-Trimethylbenzene	95-63-6	5.43	<5.43	ug/kg dry	
sec-Butylbenzene	135-98-8	5.43	<5.43	ug/kg dry	
1,3-Dichlorobenzene	541-73-1	5.43	<5.43	ug/kg dry	
4-Isopropyltoluene	99-87-6	5.43	<5.43	ug/kg dry	
1,4-Dichlorobenzene	106-46-7	5.43	<5.43	ug/kg dry	
1,2-Dichlorobenzene	95-50-1	5.43	<5.43	ug/kg dry	



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Matrix: Soil	ELAP: #11693

Volatile Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
1,4-Diethylbenzene	105-05-5	5.43	<5.43	ug/kg dry	2.B
n-Butylbenzene	104-51-8	5.43	<5.43	ug/kg dry	
1,2-Dibromo-3-chloropropane	96-12-8	5.43	<5.43	ug/kg dry	
1,2,4,5-Tetramethylbenzene	95-93-2	5.43	<5.43	ug/kg dry	2.B
1,2,4-Trichlorobenzene	120-82-1	5.43	<5.43	ug/kg dry	
Naphthalene	91-20-3	5.43	<5.43	ug/kg dry	
Hexachlorobutadiene	87-68-3	5.43	<5.43	ug/kg dry	
Acrylonitrile	107-13-1	5.43	<5.43	ug/kg dry	
1,4-Dioxane	123-91-1	5.43	<5.43	ug/kg dry	
Acrolein	107-02-8	5.43	<5.43	ug/kg dry	

Date Extracted: 07/12/2011

Preparation Method: EPA 5030C Modified

Date Analyzed: 07/12/2011

Analytical Method: EPA 8260B



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Date (Time) Received: 07/11/2011 15:04	Laboratory ID: 1071113-03
Matrix: Soil	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
Pyridine	110-86-1	86.9	<86.9	ug/kg dry	3.A
N-Nitrosodimethylamine	62-75-9	86.9	<86.9	ug/kg dry	3.A
Phenol	108-95-2	86.9	<86.9	ug/kg dry	3.A
Aniline	62-53-3	86.9	<86.9	ug/kg dry	3.A
2-Chlorophenol	95-57-8	86.9	<86.9	ug/kg dry	3.A
Bis(2-Chloroethyl)ether	111-44-4	86.9	<86.9	ug/kg dry	3.A
1,3-Dichlorobenzene	541-73-1	86.9	<86.9	ug/kg dry	3.A
1,4-Dichlorobenzene	106-46-7	86.9	<86.9	ug/kg dry	3.A
Benzyl alcohol	100-51-6	86.9	<86.9	ug/kg dry	3.A
1,2-Dichlorobenzene	95-50-1	86.9	<86.9	ug/kg dry	3.A
2-Methylphenol	95-48-7	86.9	<86.9	ug/kg dry	3.A
Bis(2-chloroisopropyl)ether	39638-32-9	86.9	<86.9	ug/kg dry	3.A
Hexachloroethane	67-72-1	86.9	<86.9	ug/kg dry	3.A
3/4-Methylphenol	108-39-4/106-44-5	86.9	<86.9	ug/kg dry	3.A
N-Nitroso-di-n-propylamine	621-64-7	86.9	<86.9	ug/kg dry	3.A
Nitrobenzene	98-95-3	86.9	<86.9	ug/kg dry	3.A
Isophorone	78-59-1	86.9	<86.9	ug/kg dry	3.A
2-Nitrophenol	88-75-5	86.9	<86.9	ug/kg dry	3.A
2,4-Dimethylphenol	105-67-9	86.9	<86.9	ug/kg dry	3.A
Benzoic Acid	65-85-0	86.9	<86.9	ug/kg dry	3.A
bis(2-Chloroethoxy)methane	111-91-1	86.9	<86.9	ug/kg dry	3.A
2,4-Dichlorophenol	120-83-2	86.9	<86.9	ug/kg dry	3.A
1,2,4-Trichlorobenzene	120-82-1	86.9	<86.9	ug/kg dry	3.A
Naphthalene	91-20-3	86.9	<86.9	ug/kg dry	3.A
4-Chloroaniline	106-47-8	86.9	<86.9	ug/kg dry	3.A
Hexachlorobutadiene	87-68-3	86.9	<86.9	ug/kg dry	3.A
4-Chloro-3-methylphenol	59-50-7	86.9	<86.9	ug/kg dry	3.A
2-Methylnaphthalene	91-57-6	86.9	<86.9	ug/kg dry	3.A
Hexachlorocyclopentadiene	77-47-4	86.9	<86.9	ug/kg dry	3.A
2,4,6-Trichlorophenol	88-06-2	86.9	<86.9	ug/kg dry	3.A
2,4,5-Trichlorophenol	95-95-4	86.9	<86.9	ug/kg dry	3.A
2-Chloronaphthalene	91-58-7	86.9	<86.9	ug/kg dry	3.A



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Client: Laurel Environmental	Client ID: 11-257 67 Brighton 1st Ln Brooklyn
Date (Time) Collected: 07/08/2011 08:30	Sample ID: SB-3 0-2'
Date (Time) Received: 07/11/2011 15:04	Laboratory ID: 1071113-03
Matrix: Soil	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
2-Nitroaniline	88-74-4	86.9	<86.9	ug/kg dry	3.A
Dimethyl phthalate	131-11-3	86.9	<86.9	ug/kg dry	3.A
Acenaphthylene	208-96-8	86.9	129	ug/kg dry	3.A, 4.B
2,6-Dinitrotoluene	606-20-2	86.9	<86.9	ug/kg dry	3.A
3-Nitroaniline	99-09-2	86.9	<86.9	ug/kg dry	3.A
Acenaphthene	83-32-9	86.9	<86.9	ug/kg dry	3.A
2,4-Dinitrophenol	51-28-5	86.9	<86.9	ug/kg dry	3.A
Dibenzofuran	132-64-9	86.9	<86.9	ug/kg dry	3.A
4-Nitrophenol	100-02-7	86.9	<86.9	ug/kg dry	3.A
2,4-Dinitrotoluene	121-14-2	86.9	<86.9	ug/kg dry	3.A
Fluorene	86-73-7	86.9	<86.9	ug/kg dry	3.A
Diethyl phthalate	84-66-2	86.9	<86.9	ug/kg dry	3.A
4-Chlorophenyl phenyl ether	7005-72-3	86.9	<86.9	ug/kg dry	3.A
4-Nitroaniline	100-01-6	86.9	<86.9	ug/kg dry	3.A
4,6-Dinitro-2-methylphenol	534-52-1	86.9	<86.9	ug/kg dry	3.A
N-Nitrosodiphenylamine	86-30-6	86.9	<86.9	ug/kg dry	3.A
Azobenzene	103-33-3	86.9	<86.9	ug/kg dry	3.A
4-Bromophenyl phenyl ether	101-55-3	86.9	<86.9	ug/kg dry	3.A
Hexachlorobenzene	118-74-1	86.9	<86.9	ug/kg dry	3.A
Pentachlorophenol	87-86-5	86.9	<86.9	ug/kg dry	3.A
Phenanthrene	85-01-8	86.9	508	ug/kg dry	3.A
Anthracene	120-12-7	86.9	156	ug/kg dry	3.A, 4.B
Carbazole	86-74-8	86.9	<86.9	ug/kg dry	3.A
Di-n-butyl phthalate	84-74-2	86.9	<86.9	ug/kg dry	3.A
Fluoranthene	206-44-0	86.9	1030	ug/kg dry	3.A
Pyrene	129-00-0	86.9	1040	ug/kg dry	3.A
Benidine	92-87-5	86.9	<86.9	ug/kg dry	3.A, 4.G
Butyl benzyl phthalate	85-68-7	86.9	<86.9	ug/kg dry	3.A
Benzo(a)anthracene	56-55-3	86.9	576	ug/kg dry	3.A
Chrysene	218-01-9	86.9	568	ug/kg dry	3.A
3,3'-Dichlorobenzidine	91-94-1	86.9	<86.9	ug/kg dry	3.A, 4.K



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Date (Time) Collected: 07/08/2011 08:30	Sample ID: SB-3 0-2'
Date (Time) Received: 07/11/2011 15:04	Laboratory ID: 1071113-03
Matrix: Soil	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
Bis(2-Ethylhexyl)phthalate	117-81-7	86.9	266	ug/kg dry	3.A, 4.B
Di-n-octyl phthalate	117-84-0	86.9	<86.9	ug/kg dry	3.A
Benzo(b)fluoranthene	205-99-2	86.9	530	ug/kg dry	3.A
Benzo(k)fluoranthene	207-08-9	86.9	229	ug/kg dry	3.A, 4.B
Benzo(a)pyrene	50-32-8	86.9	349	ug/kg dry	3.A
Indeno(1,2,3-cd)pyrene	193-39-5	86.9	184	ug/kg dry	3.A, 4.B
Dibenzo(a,h)anthracene	53-70-3	86.9	<86.9	ug/kg dry	3.A
Benzo(g,h,i)perylene	191-24-2	86.9	178	ug/kg dry	3.A, 4.B

Date Extracted: 07/11/2011

Preparation Method: EPA 3545

Date Analyzed: 07/13/2011

Analytical Method: EPA 8270C



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Date (Time) Collected: 07/08/2011 08:30	Sample ID: SB-3 0-2'
Date (Time) Received: 07/11/2011 15:04	Laboratory ID: 1071113-03
Matrix: Soil	ELAP: #11693

PCB/Aroclor Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
Aroclor-1016	12674-11-2	21.7	<21.7	ug/kg dry	
Aroclor-1260	11096-82-5	21.7	<21.7	ug/kg dry	
Aroclor 1221	11104-28-2	21.7	<21.7	ug/kg dry	
Aroclor 1232	11141-16-5	21.7	<21.7	ug/kg dry	
Aroclor 1242	53469-21-9	21.7	<21.7	ug/kg dry	
Aroclor 1248	12672-29-6	21.7	<21.7	ug/kg dry	
Aroclor 1254	11097-69-1	21.7	<21.7	ug/kg dry	

Date Extracted: 07/12/2011

Preparation Method: EPA 3545

Date Analyzed: 07/15/2011

Analytical Method: EPA 8082



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Date (Time) Collected: 07/08/2011 08:30	Sample ID: SB-3 0-2'
Date (Time) Received: 07/11/2011 15:04	Laboratory ID: 1071113-03
Matrix: Soil	ELAP: #11693

Total Metals Analysis

Parameter	Date Analyzed	Method	MRL	Result	Units	Flag
Aluminum	07/12/2011	EPA 6010B	174	6730	mg/kg dry	4.F
Antimony	07/12/2011	EPA 6010B	1.74	<1.74	mg/kg dry	
Arsenic	07/12/2011	EPA 6010B	1.74	2.46	mg/kg dry	
Barium	07/12/2011	EPA 6010B	3.51	86.1	mg/kg dry	4.F
Beryllium	07/12/2011	EPA 6010B	1.74	<1.74	mg/kg dry	
Cadmium	07/12/2011	EPA 6010B	1.05	<1.05	mg/kg dry	
Calcium	07/12/2011	EPA 6010B	87.0	8380	mg/kg dry	4.F
Chromium	07/12/2011	EPA 6010B	1.74	16.2	mg/kg dry	
Cobalt	07/12/2011	EPA 6010B	1.74	6.33	mg/kg dry	
Copper	07/12/2011	EPA 6010B	1.74	45.2	mg/kg dry	4.F
Iron	07/12/2011	EPA 6010B	174	15800	mg/kg dry	4.F
Lead	07/12/2011	EPA 6010B	1.74	143	mg/kg dry	4.F
Magnesium	07/12/2011	EPA 6010B	17.4	3800	mg/kg dry	
Manganese	07/12/2011	EPA 6010B	87.0	250	mg/kg dry	4.F
Nickel	07/12/2011	EPA 6010B	1.74	16.1	mg/kg dry	
Potassium	07/12/2011	EPA 6010B	1.74	1460	mg/kg dry	4.H
Selenium	07/12/2011	EPA 6010B	1.74	<1.74	mg/kg dry	
Silver	07/12/2011	EPA 6010B	1.74	<1.74	mg/kg dry	
Sodium	07/12/2011	EPA 6010B	8.70	271	mg/kg dry	4.F
Thallium	07/12/2011	EPA 6010B	1.74	<1.74	mg/kg dry	
Vanadium	07/12/2011	EPA 6010B	1.74	22.1	mg/kg dry	
Zinc	07/12/2011	EPA 6010B	1.74	117	mg/kg dry	4.F

Date Extracted: 07/12/2011

Preparation Method: EPA 3050B

Date Analyzed: 07/12/2011

Analytical Method: EPA 6010B

Mercury	07/13/2011	EPA 7471A	0.02	0.10	mg/kg dry	
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Date Extracted: 07/12/2011

Preparation Method: EPA 7471A

Date Analyzed: 07/13/2011

Analytical Method: EPA 7471A



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Client: Laurel Environmental	Client ID: 11-257 67 Brighton 1st Ln Brooklyn
Date (Time) Collected: 07/08/2011 08:30	Sample ID: DUP 0-2'
Date (Time) Received: 07/11/2011 15:04	Laboratory ID: 1071113-04
Matrix: Soil	ELAP: #11693

Volatile Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
Bromomethane	74-83-9	5.46	<5.46	ug/kg dry	
Chlorodifluoromethane	75-45-6	5.46	<5.46	ug/kg dry	2.B
Chloroethane	75-00-3	5.46	<5.46	ug/kg dry	
Chloromethane	74-87-3	5.46	<5.46	ug/kg dry	
Dichlorodifluoromethane	75-71-8	5.46	<5.46	ug/kg dry	
Vinyl chloride	75-01-4	5.46	<5.46	ug/kg dry	
Trichlorofluoromethane	75-69-4	5.46	<5.46	ug/kg dry	
Acetone	67-64-1	54.6	<54.6	ug/kg dry	
1,1-Dichloroethylene	75-35-4	5.46	<5.46	ug/kg dry	
Methylene Chloride	75-09-2	5.46	8.25	ug/kg dry	4.C
Carbon disulfide	75-15-0	5.46	<5.46	ug/kg dry	
Methyl-tert-Butyl Ether	1634-04-4	5.46	<5.46	ug/kg dry	
trans-1,2-Dichloroethylene	156-60-5	5.46	<5.46	ug/kg dry	
1,1-Dichloroethane	75-34-3	5.46	<5.46	ug/kg dry	
Vinyl acetate	108-05-4	5.46	<5.46	ug/kg dry	
Methyl Ethyl Ketone (2-Butanone)	78-93-3	10.9	<10.9	ug/kg dry	
cis-1,2-Dichloroethylene	156-59-2	5.46	<5.46	ug/kg dry	
2,2-Dichloropropane	590-20-7	5.46	<5.46	ug/kg dry	
Bromochloromethane	74-97-5	5.46	<5.46	ug/kg dry	
Chloroform	67-66-3	5.46	<5.46	ug/kg dry	
1,1,1-Trichloroethane	71-55-6	5.46	<5.46	ug/kg dry	
1,2-Dichloroethane	107-06-2	5.46	<5.46	ug/kg dry	
1,1-Dichloropropylene	563-58-6	5.46	<5.46	ug/kg dry	
Carbon Tetrachloride	56-23-5	5.46	<5.46	ug/kg dry	
Benzene	71-43-2	5.46	<5.46	ug/kg dry	
Trichloroethylene	79-01-6	5.46	<5.46	ug/kg dry	
1,2-Dichloropropane	78-87-5	5.46	<5.46	ug/kg dry	
Dibromomethane	74-95-3	5.46	<5.46	ug/kg dry	
Bromodichloromethane	75-27-4	5.46	<5.46	ug/kg dry	
2-Chloroethyl Vinyl Ether	110-75-8	5.46	<5.46	ug/kg dry	
Methyl Isobutyl Ketone	108-10-1	10.9	<10.9	ug/kg dry	
cis-1,3-Dichloropropylene	10061-01-5	5.46	<5.46	ug/kg dry	



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Date (Time) Received: 07/11/2011 15:04	Laboratory ID: 1071113-04
Matrix: Soil	ELAP: #11693

Volatile Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
Toluene	108-88-3	5.46	<5.46	ug/kg dry	
trans-1,3-Dichloropropylene	10061-02-6	5.46	<5.46	ug/kg dry	
1,1,2-Trichloroethane	79-00-5	5.46	<5.46	ug/kg dry	
Methyl Butyl Ketone (2-Hexanone)	591-78-6	5.46	<5.46	ug/kg dry	
1,3-Dichloropropane	142-28-9	5.46	<5.46	ug/kg dry	
Dibromochloromethane	124-48-1	5.46	<5.46	ug/kg dry	
Tetrachloroethylene	127-18-4	5.46	<5.46	ug/kg dry	
1,2-Dibromoethane	106-93-4	5.46	<5.46	ug/kg dry	
Chlorobenzene	108-90-7	5.46	<5.46	ug/kg dry	
1,1,1,2-Tetrachloroethane	630-20-6	5.46	<5.46	ug/kg dry	
Ethylbenzene	100-41-4	5.46	<5.46	ug/kg dry	
m,p-Xylenes	108-38-3/106-42-3	10.9	<10.9	ug/kg dry	
Styrene	100-42-5	5.46	<5.46	ug/kg dry	
o-Xylene	95-47-6	5.46	<5.46	ug/kg dry	
Bromoform	75-25-2	5.46	<5.46	ug/kg dry	
1,1,1,2-Tetrachloroethane	79-34-5	5.46	<5.46	ug/kg dry	
Isopropylbenzene (Cumene)	98-82-8	5.46	<5.46	ug/kg dry	
1,2,3-Trichloropropane	96-18-4	5.46	<5.46	ug/kg dry	
Bromobenzene	108-86-1	5.46	<5.46	ug/kg dry	
n-Propylbenzene	103-65-1	5.46	<5.46	ug/kg dry	
2-Chlorotoluene	95-49-8	5.46	<5.46	ug/kg dry	
4-Ethyltoluene	622-96-8	5.46	<5.46	ug/kg dry	2.B
4-Chlorotoluene	106-43-4	5.46	<5.46	ug/kg dry	
1,3,5-Trimethylbenzene	108-67-8	5.46	<5.46	ug/kg dry	
tert-Butylbenzene	98-06-6	5.46	<5.46	ug/kg dry	
1,2,4-Trimethylbenzene	95-63-6	5.46	<5.46	ug/kg dry	
sec-Butylbenzene	135-98-8	5.46	<5.46	ug/kg dry	
1,3-Dichlorobenzene	541-73-1	5.46	<5.46	ug/kg dry	
4-Isopropyltoluene	99-87-6	5.46	<5.46	ug/kg dry	
1,4-Dichlorobenzene	106-46-7	5.46	<5.46	ug/kg dry	
1,2-Dichlorobenzene	95-50-1	5.46	<5.46	ug/kg dry	



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Matrix: Soil	ELAP: #11693

Volatile Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
1,4-Diethylbenzene	105-05-5	5.46	<5.46	ug/kg dry	2.B
n-Butylbenzene	104-51-8	5.46	<5.46	ug/kg dry	
1,2-Dibromo-3-chloropropane	96-12-8	5.46	<5.46	ug/kg dry	
1,2,4,5-Tetramethylbenzene	95-93-2	5.46	<5.46	ug/kg dry	2.B
1,2,4-Trichlorobenzene	120-82-1	5.46	<5.46	ug/kg dry	
Naphthalene	91-20-3	5.46	<5.46	ug/kg dry	
Hexachlorobutadiene	87-68-3	5.46	<5.46	ug/kg dry	
Acrylonitrile	107-13-1	5.46	<5.46	ug/kg dry	
1,4-Dioxane	123-91-1	5.46	<5.46	ug/kg dry	
Acrolein	107-02-8	5.46	<5.46	ug/kg dry	

Date Extracted: 07/12/2011

Preparation Method: EPA 5030C Modified

Date Analyzed: 07/12/2011

Analytical Method: EPA 8260B



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Date (Time) Received: 07/11/2011 15:04	Laboratory ID: 1071113-04
Matrix: Soil	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
Pyridine	110-86-1	87.3	<87.3	ug/kg dry	3.A
N-Nitrosodimethylamine	62-75-9	87.3	<87.3	ug/kg dry	3.A
Phenol	108-95-2	87.3	<87.3	ug/kg dry	3.A
Aniline	62-53-3	87.3	<87.3	ug/kg dry	3.A
2-Chlorophenol	95-57-8	87.3	<87.3	ug/kg dry	3.A
Bis(2-Chloroethyl)ether	111-44-4	87.3	<87.3	ug/kg dry	3.A
1,3-Dichlorobenzene	541-73-1	87.3	<87.3	ug/kg dry	3.A
1,4-Dichlorobenzene	106-46-7	87.3	<87.3	ug/kg dry	3.A
Benzyl alcohol	100-51-6	87.3	<87.3	ug/kg dry	3.A
1,2-Dichlorobenzene	95-50-1	87.3	<87.3	ug/kg dry	3.A
2-Methylphenol	95-48-7	87.3	<87.3	ug/kg dry	3.A
Bis(2-chloroisopropyl)ether	39638-32-9	87.3	<87.3	ug/kg dry	3.A
Hexachloroethane	67-72-1	87.3	<87.3	ug/kg dry	3.A
3/4-Methylphenol	108-39-4/106-44-5	87.3	<87.3	ug/kg dry	3.A
N-Nitroso-di-n-propylamine	621-64-7	87.3	<87.3	ug/kg dry	3.A
Nitrobenzene	98-95-3	87.3	<87.3	ug/kg dry	3.A
Isophorone	78-59-1	87.3	<87.3	ug/kg dry	3.A
2-Nitrophenol	88-75-5	87.3	<87.3	ug/kg dry	3.A
2,4-Dimethylphenol	105-67-9	87.3	<87.3	ug/kg dry	3.A
Benzoic Acid	65-85-0	87.3	<87.3	ug/kg dry	3.A
bis(2-Chloroethoxy)methane	111-91-1	87.3	<87.3	ug/kg dry	3.A
2,4-Dichlorophenol	120-83-2	87.3	<87.3	ug/kg dry	3.A
1,2,4-Trichlorobenzene	120-82-1	87.3	<87.3	ug/kg dry	3.A
Naphthalene	91-20-3	87.3	<87.3	ug/kg dry	3.A
4-Chloroaniline	106-47-8	87.3	<87.3	ug/kg dry	3.A
Hexachlorobutadiene	87-68-3	87.3	<87.3	ug/kg dry	3.A
4-Chloro-3-methylphenol	59-50-7	87.3	<87.3	ug/kg dry	3.A
2-Methylnaphthalene	91-57-6	87.3	<87.3	ug/kg dry	3.A
Hexachlorocyclopentadiene	77-47-4	87.3	<87.3	ug/kg dry	3.A
2,4,6-Trichlorophenol	88-06-2	87.3	<87.3	ug/kg dry	3.A
2,4,5-Trichlorophenol	95-95-4	87.3	<87.3	ug/kg dry	3.A
2-Chloronaphthalene	91-58-7	87.3	<87.3	ug/kg dry	3.A



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Matrix: Soil	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
2-Nitroaniline	88-74-4	87.3	<87.3	ug/kg dry	3.A
Dimethyl phthalate	131-11-3	87.3	<87.3	ug/kg dry	3.A
Acenaphthylene	208-96-8	87.3	<87.3	ug/kg dry	3.A
2,6-Dinitrotoluene	606-20-2	87.3	<87.3	ug/kg dry	3.A
3-Nitroaniline	99-09-2	87.3	<87.3	ug/kg dry	3.A
Acenaphthene	83-32-9	87.3	<87.3	ug/kg dry	3.A
2,4-Dinitrophenol	51-28-5	87.3	<87.3	ug/kg dry	3.A
Dibenzofuran	132-64-9	87.3	<87.3	ug/kg dry	3.A
4-Nitrophenol	100-02-7	87.3	<87.3	ug/kg dry	3.A
2,4-Dinitrotoluene	121-14-2	87.3	<87.3	ug/kg dry	3.A
Fluorene	86-73-7	87.3	<87.3	ug/kg dry	3.A
Diethyl phthalate	84-66-2	87.3	<87.3	ug/kg dry	3.A
4-Chlorophenyl phenyl ether	7005-72-3	87.3	<87.3	ug/kg dry	3.A
4-Nitroaniline	100-01-6	87.3	<87.3	ug/kg dry	3.A
4,6-Dinitro-2-methylphenol	534-52-1	87.3	<87.3	ug/kg dry	3.A
N-Nitrosodiphenylamine	86-30-6	87.3	<87.3	ug/kg dry	3.A
Azobenzene	103-33-3	87.3	<87.3	ug/kg dry	3.A
4-Bromophenyl phenyl ether	101-55-3	87.3	<87.3	ug/kg dry	3.A
Hexachlorobenzene	118-74-1	87.3	<87.3	ug/kg dry	3.A
Pentachlorophenol	87-86-5	87.3	<87.3	ug/kg dry	3.A
Phenanthrene	85-01-8	87.3	490	ug/kg dry	3.A
Anthracene	120-12-7	87.3	130	ug/kg dry	3.A, 4.B
Carbazole	86-74-8	87.3	<87.3	ug/kg dry	3.A
Di-n-butyl phthalate	84-74-2	87.3	<87.3	ug/kg dry	3.A
Fluoranthene	206-44-0	87.3	908	ug/kg dry	3.A
Pyrene	129-00-0	87.3	892	ug/kg dry	3.A
Benzidine	92-87-5	87.3	<87.3	ug/kg dry	3.A, 4.G
Butyl benzyl phthalate	85-68-7	87.3	<87.3	ug/kg dry	3.A
Benzo(a)anthracene	56-55-3	87.3	492	ug/kg dry	3.A
Chrysene	218-01-9	87.3	533	ug/kg dry	3.A
3,3'-Dichlorobenzidine	91-94-1	87.3	<87.3	ug/kg dry	3.A, 4.K



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Phone (631) 472-3400 • Fax (631) 472-8505 • Email: LIAL@lialinc.com

Client: Laurel Environmental	Client ID: 11-257 67 Brighton 1st Ln Brooklyn
Date (Time) Collected: 07/08/2011 08:30	Sample ID: DUP 0-2'
Date (Time) Received: 07/11/2011 15:04	Laboratory ID: 1071113-04
Matrix: Soil	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
Bis(2-Ethylhexyl)phthalate	117-81-7	87.3	215	ug/kg dry	3.A, 4.B
Di-n-octyl phthalate	117-84-0	87.3	<87.3	ug/kg dry	3.A
Benzo(b)fluoranthene	205-99-2	87.3	504	ug/kg dry	3.A
Benzo(k)fluoranthene	207-08-9	87.3	134	ug/kg dry	3.A, 4.B
Benzo(a)pyrene	50-32-8	87.3	288	ug/kg dry	3.A, 4.B
Indeno(1,2,3-cd)pyrene	193-39-5	175	236	ug/kg dry	3.A, 4.B
Dibenzo(a,h)anthracene	53-70-3	175	<175	ug/kg dry	3.A
Benzo(g,h,i)perylene	191-24-2	175	271	ug/kg dry	3.A, 4.B

Date Extracted: 07/11/2011

Preparation Method: EPA 3545

Date Analyzed: 07/14/2011

Analytical Method: EPA 8270C



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Client: Laurel Environmental	Client ID: 11-257 67 Brighton 1st Ln Brooklyn
Date (Time) Collected: 07/08/2011 08:30	Sample ID: DUP 0-2'
Date (Time) Received: 07/11/2011 15:04	Laboratory ID: 1071113-04
Matrix: Soil	ELAP: #11693

PCB/Aroclor Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
Aroclor-1016	12674-11-2	21.8	36.9	ug/kg dry	
Aroclor-1260	11096-82-5	21.8	<21.8	ug/kg dry	
Aroclor 1221	11104-28-2	21.8	<21.8	ug/kg dry	
Aroclor 1232	11141-16-5	21.8	<21.8	ug/kg dry	
Aroclor 1242	53469-21-9	21.8	<21.8	ug/kg dry	
Aroclor 1248	12672-29-6	21.8	<21.8	ug/kg dry	
Aroclor 1254	11097-69-1	21.8	<21.8	ug/kg dry	

Date Extracted: 07/12/2011

Preparation Method: EPA 3545

Date Analyzed: 07/15/2011

Analytical Method: EPA 8082



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Date (Time) Collected: 07/08/2011 08:30	Sample ID: DUP 0-2'
Date (Time) Received: 07/11/2011 15:04	Laboratory ID: 1071113-04
Matrix: Soil	ELAP: #11693

Total Metals Analysis

Parameter	Date Analyzed	Method	MRL	Result	Units	Flag
Aluminum	07/12/2011	EPA 6010B	169	5960	mg/kg dry	4.F
Antimony	07/12/2011	EPA 6010B	1.69	<1.69	mg/kg dry	
Arsenic	07/12/2011	EPA 6010B	1.69	2.55	mg/kg dry	
Barium	07/12/2011	EPA 6010B	3.42	86.2	mg/kg dry	4.F
Beryllium	07/12/2011	EPA 6010B	1.69	<1.69	mg/kg dry	
Cadmium	07/12/2011	EPA 6010B	1.03	<1.03	mg/kg dry	
Calcium	07/12/2011	EPA 6010B	84.7	14200	mg/kg dry	4.F
Chromium	07/12/2011	EPA 6010B	1.69	15.8	mg/kg dry	
Cobalt	07/12/2011	EPA 6010B	1.69	5.64	mg/kg dry	
Copper	07/12/2011	EPA 6010B	1.69	40.7	mg/kg dry	4.F
Iron	07/12/2011	EPA 6010B	169	13900	mg/kg dry	4.F
Lead	07/12/2011	EPA 6010B	1.69	152	mg/kg dry	4.F
Magnesium	07/12/2011	EPA 6010B	16.9	5860	mg/kg dry	
Manganese	07/12/2011	EPA 6010B	84.7	218	mg/kg dry	4.F
Nickel	07/12/2011	EPA 6010B	1.69	15.0	mg/kg dry	
Potassium	07/12/2011	EPA 6010B	1.69	1560	mg/kg dry	4.H
Selenium	07/12/2011	EPA 6010B	1.69	<1.69	mg/kg dry	
Silver	07/12/2011	EPA 6010B	1.69	<1.69	mg/kg dry	
Sodium	07/12/2011	EPA 6010B	8.47	284	mg/kg dry	4.F
Thallium	07/12/2011	EPA 6010B	1.69	<1.69	mg/kg dry	
Vanadium	07/12/2011	EPA 6010B	1.69	20.7	mg/kg dry	
Zinc	07/12/2011	EPA 6010B	1.69	108	mg/kg dry	4.F

Date Extracted: 07/12/2011

Preparation Method: EPA 3050B

Date Analyzed: 07/12/2011

Analytical Method: EPA 6010B

Mercury	07/13/2011	EPA 7471A	0.02	0.09	mg/kg dry	
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Date Extracted: 07/12/2011

Preparation Method: EPA 7471A

Date Analyzed: 07/13/2011

Analytical Method: EPA 7471A



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Client: Laurel Environmental	Client ID: 11-257 67 Brighton 1st Ln Brooklyn
Date (Time) Collected: 07/08/2011 08:30	Sample ID: SB-1 6-8'
Date (Time) Received: 07/11/2011 15:04	Laboratory ID: 1071113-05
Matrix: Soil	ELAP: #11693

Volatile Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
Bromomethane	74-83-9	6.03	<6.03	ug/kg dry	
Chlorodifluoromethane	75-45-6	6.03	<6.03	ug/kg dry	2.B
Chloroethane	75-00-3	6.03	<6.03	ug/kg dry	
Chloromethane	74-87-3	6.03	<6.03	ug/kg dry	
Dichlorodifluoromethane	75-71-8	6.03	<6.03	ug/kg dry	
Vinyl chloride	75-01-4	6.03	<6.03	ug/kg dry	
Trichlorofluoromethane	75-69-4	6.03	<6.03	ug/kg dry	
Acetone	67-64-1	60.3	<60.3	ug/kg dry	
1,1-Dichloroethylene	75-35-4	6.03	<6.03	ug/kg dry	
Methylene Chloride	75-09-2	6.03	10.5	ug/kg dry	4.C
Carbon disulfide	75-15-0	6.03	<6.03	ug/kg dry	
Methyl-tert-Butyl Ether	1634-04-4	6.03	<6.03	ug/kg dry	
trans-1,2-Dichloroethylene	156-60-5	6.03	<6.03	ug/kg dry	
1,1-Dichloroethane	75-34-3	6.03	<6.03	ug/kg dry	
Vinyl acetate	108-05-4	6.03	<6.03	ug/kg dry	
Methyl Ethyl Ketone (2-Butanone)	78-93-3	12.1	<12.1	ug/kg dry	
cis-1,2-Dichloroethylene	156-59-2	6.03	<6.03	ug/kg dry	
2,2-Dichloropropane	590-20-7	6.03	<6.03	ug/kg dry	
Bromochloromethane	74-97-5	6.03	<6.03	ug/kg dry	
Chloroform	67-66-3	6.03	<6.03	ug/kg dry	
1,1,1-Trichloroethane	71-55-6	6.03	<6.03	ug/kg dry	
1,2-Dichloroethane	107-06-2	6.03	<6.03	ug/kg dry	
1,1-Dichloropropylene	563-58-6	6.03	<6.03	ug/kg dry	
Carbon Tetrachloride	56-23-5	6.03	<6.03	ug/kg dry	
Benzene	71-43-2	6.03	<6.03	ug/kg dry	
Trichloroethylene	79-01-6	6.03	<6.03	ug/kg dry	
1,2-Dichloropropane	78-87-5	6.03	<6.03	ug/kg dry	
Dibromomethane	74-95-3	6.03	<6.03	ug/kg dry	
Bromodichloromethane	75-27-4	6.03	<6.03	ug/kg dry	
2-Chloroethyl Vinyl Ether	110-75-8	6.03	<6.03	ug/kg dry	
Methyl Isobutyl Ketone	108-10-1	12.1	<12.1	ug/kg dry	
cis-1,3-Dichloropropylene	10061-01-5	6.03	<6.03	ug/kg dry	



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Date (Time) Received: 07/11/2011 15:04	Laboratory ID: 1071113-05
Matrix: Soil	ELAP: #11693

Volatile Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
Toluene	108-88-3	6.03	<6.03	ug/kg dry	
trans-1,3-Dichloropropylene	10061-02-6	6.03	<6.03	ug/kg dry	
1,1,2-Trichloroethane	79-00-5	6.03	<6.03	ug/kg dry	
Methyl Butyl Ketone (2-Hexanone)	591-78-6	6.03	<6.03	ug/kg dry	
1,3-Dichloropropane	142-28-9	6.03	<6.03	ug/kg dry	
Dibromochloromethane	124-48-1	6.03	<6.03	ug/kg dry	
Tetrachloroethylene	127-18-4	6.03	<6.03	ug/kg dry	
1,2-Dibromoethane	106-93-4	6.03	<6.03	ug/kg dry	
Chlorobenzene	108-90-7	6.03	<6.03	ug/kg dry	
1,1,1,2-Tetrachloroethane	630-20-6	6.03	<6.03	ug/kg dry	
Ethylbenzene	100-41-4	6.03	<6.03	ug/kg dry	
m,p-Xylenes	108-38-3/106-42-3	12.1	<12.1	ug/kg dry	
Styrene	100-42-5	6.03	<6.03	ug/kg dry	
o-Xylene	95-47-6	6.03	<6.03	ug/kg dry	
Bromoform	75-25-2	6.03	<6.03	ug/kg dry	
1,1,1,2-Tetrachloroethane	79-34-5	6.03	<6.03	ug/kg dry	
Isopropylbenzene (Cumene)	98-82-8	6.03	<6.03	ug/kg dry	
1,2,3-Trichloropropane	96-18-4	6.03	<6.03	ug/kg dry	
Bromobenzene	108-86-1	6.03	<6.03	ug/kg dry	
n-Propylbenzene	103-65-1	6.03	<6.03	ug/kg dry	
2-Chlorotoluene	95-49-8	6.03	<6.03	ug/kg dry	
4-Ethyltoluene	622-96-8	6.03	<6.03	ug/kg dry	2.B
4-Chlorotoluene	106-43-4	6.03	<6.03	ug/kg dry	
1,3,5-Trimethylbenzene	108-67-8	6.03	<6.03	ug/kg dry	
tert-Butylbenzene	98-06-6	6.03	<6.03	ug/kg dry	
1,2,4-Trimethylbenzene	95-63-6	6.03	<6.03	ug/kg dry	
sec-Butylbenzene	135-98-8	6.03	<6.03	ug/kg dry	
1,3-Dichlorobenzene	541-73-1	6.03	<6.03	ug/kg dry	
4-Isopropyltoluene	99-87-6	6.03	<6.03	ug/kg dry	
1,4-Dichlorobenzene	106-46-7	6.03	<6.03	ug/kg dry	
1,2-Dichlorobenzene	95-50-1	6.03	<6.03	ug/kg dry	



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Date (Time) Collected: 07/08/2011 08:30	Sample ID: SB-1 6-8'
Date (Time) Received: 07/11/2011 15:04	Laboratory ID: 1071113-05
Matrix: Soil	ELAP: #11693

Volatile Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
1,4-Diethylbenzene	105-05-5	6.03	<6.03	ug/kg dry	2.B
n-Butylbenzene	104-51-8	6.03	<6.03	ug/kg dry	
1,2-Dibromo-3-chloropropane	96-12-8	6.03	<6.03	ug/kg dry	
1,2,4,5-Tetramethylbenzene	95-93-2	6.03	<6.03	ug/kg dry	2.B
1,2,4-Trichlorobenzene	120-82-1	6.03	<6.03	ug/kg dry	
Naphthalene	91-20-3	6.03	<6.03	ug/kg dry	
Hexachlorobutadiene	87-68-3	6.03	<6.03	ug/kg dry	
Acrylonitrile	107-13-1	6.03	<6.03	ug/kg dry	
1,4-Dioxane	123-91-1	6.03	<6.03	ug/kg dry	
Acrolein	107-02-8	6.03	<6.03	ug/kg dry	

Date Extracted: 07/12/2011

Preparation Method: EPA 5030C Modified

Date Analyzed: 07/12/2011

Analytical Method: EPA 8260B



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Date (Time) Collected: 07/08/2011 08:30	Sample ID: SB-1 6-8'
Date (Time) Received: 07/11/2011 15:04	Laboratory ID: 1071113-05
Matrix: Soil	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
Pyridine	110-86-1	48.2	<48.2	ug/kg dry	
N-Nitrosodimethylamine	62-75-9	48.2	<48.2	ug/kg dry	
Phenol	108-95-2	48.2	<48.2	ug/kg dry	
Aniline	62-53-3	48.2	<48.2	ug/kg dry	
2-Chlorophenol	95-57-8	48.2	<48.2	ug/kg dry	
Bis(2-Chloroethyl)ether	111-44-4	48.2	<48.2	ug/kg dry	
1,3-Dichlorobenzene	541-73-1	48.2	<48.2	ug/kg dry	
1,4-Dichlorobenzene	106-46-7	48.2	<48.2	ug/kg dry	
Benzyl alcohol	100-51-6	48.2	<48.2	ug/kg dry	
1,2-Dichlorobenzene	95-50-1	48.2	<48.2	ug/kg dry	
2-Methylphenol	95-48-7	48.2	<48.2	ug/kg dry	
Bis(2-chloroisopropyl)ether	39638-32-9	48.2	<48.2	ug/kg dry	
Hexachloroethane	67-72-1	48.2	<48.2	ug/kg dry	
3/4-Methylphenol	108-39-4/106-44-5	48.2	<48.2	ug/kg dry	
N-Nitroso-di-n-propylamine	621-64-7	48.2	<48.2	ug/kg dry	
Nitrobenzene	98-95-3	48.2	<48.2	ug/kg dry	
Isophorone	78-59-1	48.2	<48.2	ug/kg dry	
2-Nitrophenol	88-75-5	48.2	<48.2	ug/kg dry	
2,4-Dimethylphenol	105-67-9	48.2	<48.2	ug/kg dry	
Benzoic Acid	65-85-0	48.2	<48.2	ug/kg dry	
bis(2-Chloroethoxy)methane	111-91-1	48.2	<48.2	ug/kg dry	
2,4-Dichlorophenol	120-83-2	48.2	<48.2	ug/kg dry	
1,2,4-Trichlorobenzene	120-82-1	48.2	<48.2	ug/kg dry	
Naphthalene	91-20-3	48.2	<48.2	ug/kg dry	
4-Chloroaniline	106-47-8	48.2	<48.2	ug/kg dry	
Hexachlorobutadiene	87-68-3	48.2	<48.2	ug/kg dry	
4-Chloro-3-methylphenol	59-50-7	48.2	<48.2	ug/kg dry	
2-Methylnaphthalene	91-57-6	48.2	<48.2	ug/kg dry	
Hexachlorocyclopentadiene	77-47-4	48.2	<48.2	ug/kg dry	
2,4,6-Trichlorophenol	88-06-2	48.2	<48.2	ug/kg dry	
2,4,5-Trichlorophenol	95-95-4	48.2	<48.2	ug/kg dry	
2-Chloronaphthalene	91-58-7	48.2	<48.2	ug/kg dry	



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Date (Time) Received: 07/11/2011 15:04	Laboratory ID: 1071113-05
Matrix: Soil	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
2-Nitroaniline	88-74-4	48.2	<48.2	ug/kg dry	
Dimethyl phthalate	131-11-3	48.2	<48.2	ug/kg dry	
Acenaphthylene	208-96-8	48.2	<48.2	ug/kg dry	
2,6-Dinitrotoluene	606-20-2	48.2	<48.2	ug/kg dry	
3-Nitroaniline	99-09-2	48.2	<48.2	ug/kg dry	
Acenaphthene	83-32-9	48.2	<48.2	ug/kg dry	
2,4-Dinitrophenol	51-28-5	48.2	<48.2	ug/kg dry	
Dibenzofuran	132-64-9	48.2	<48.2	ug/kg dry	
4-Nitrophenol	100-02-7	48.2	<48.2	ug/kg dry	
2,4-Dinitrotoluene	121-14-2	48.2	<48.2	ug/kg dry	
Fluorene	86-73-7	48.2	<48.2	ug/kg dry	
Diethyl phthalate	84-66-2	48.2	<48.2	ug/kg dry	
4-Chlorophenyl phenyl ether	7005-72-3	48.2	<48.2	ug/kg dry	
4-Nitroaniline	100-01-6	48.2	<48.2	ug/kg dry	
4,6-Dinitro-2-methylphenol	534-52-1	48.2	<48.2	ug/kg dry	
N-Nitrosodiphenylamine	86-30-6	48.2	<48.2	ug/kg dry	
Azobenzene	103-33-3	48.2	<48.2	ug/kg dry	
4-Bromophenyl phenyl ether	101-55-3	48.2	<48.2	ug/kg dry	
Hexachlorobenzene	118-74-1	48.2	<48.2	ug/kg dry	
Pentachlorophenol	87-86-5	48.2	<48.2	ug/kg dry	
Phenanthrene	85-01-8	48.2	81.2	ug/kg dry	4.B
Anthracene	120-12-7	48.2	<48.2	ug/kg dry	
Carbazole	86-74-8	48.2	<48.2	ug/kg dry	
Di-n-butyl phthalate	84-74-2	48.2	<48.2	ug/kg dry	
Fluoranthene	206-44-0	48.2	123	ug/kg dry	4.B
Pyrene	129-00-0	48.2	118	ug/kg dry	4.B
Benzidine	92-87-5	48.2	<48.2	ug/kg dry	4.G
Butyl benzyl phthalate	85-68-7	48.2	<48.2	ug/kg dry	
Benzo(a)anthracene	56-55-3	48.2	65.9	ug/kg dry	4.B
Chrysene	218-01-9	48.2	61.1	ug/kg dry	4.B
3,3'-Dichlorobenzidine	91-94-1	48.2	<48.2	ug/kg dry	4.K



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Matrix: Soil	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
Bis(2-Ethylhexyl)phthalate	117-81-7	48.2	<48.2	ug/kg dry	
Di-n-octyl phthalate	117-84-0	48.2	<48.2	ug/kg dry	
Benzo(b)fluoranthene	205-99-2	48.2	78.8	ug/kg dry	4.B
Benzo(k)fluoranthene	207-08-9	48.2	<48.2	ug/kg dry	
Benzo(a)pyrene	50-32-8	48.2	62.7	ug/kg dry	4.B
Indeno(1,2,3-cd)pyrene	193-39-5	48.2	<48.2	ug/kg dry	
Dibenzo(a,h)anthracene	53-70-3	48.2	<48.2	ug/kg dry	
Benzo(g,h,i)perylene	191-24-2	48.2	<48.2	ug/kg dry	

Date Extracted: 07/11/2011

Preparation Method: EPA 3545

Date Analyzed: 07/13/2011

Analytical Method: EPA 8270C



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"TOMORROWS ANALYTICAL SOLUTIONS TODAY"

Phone (631) 472-3400 • Fax (631) 472-8505 • Email: LIAL@lialinc.com

Client: Laurel Environmental	Client ID: 11-257 67 Brighton 1st Ln Brooklyn
Date (Time) Collected: 07/08/2011 08:30	Sample ID: SB-1 6-8'
Date (Time) Received: 07/11/2011 15:04	Laboratory ID: 1071113-05
Matrix: Soil	ELAP: #11693

PCB/Aroclor Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
Aroclor-1016	12674-11-2	24.1	<24.1	ug/kg dry	
Aroclor-1260	11096-82-5	24.1	<24.1	ug/kg dry	
Aroclor 1221	11104-28-2	24.1	<24.1	ug/kg dry	
Aroclor 1232	11141-16-5	24.1	<24.1	ug/kg dry	
Aroclor 1242	53469-21-9	24.1	<24.1	ug/kg dry	
Aroclor 1248	12672-29-6	24.1	<24.1	ug/kg dry	
Aroclor 1254	11097-69-1	24.1	<24.1	ug/kg dry	

Date Extracted: 07/12/2011

Preparation Method: EPA 3545

Date Analyzed: 07/15/2011

Analytical Method: EPA 8082



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Client: Laurel Environmental	Client ID: 11-257 67 Brighton 1st Ln Brooklyn
Date (Time) Collected: 07/08/2011 08:30	Sample ID: SB-1 6-8'
Date (Time) Received: 07/11/2011 15:04	Laboratory ID: 1071113-05
Matrix: Soil	ELAP: #11693

Total Metals Analysis

Parameter	Date Analyzed	Method	MRL	Result	Units	Flag
Aluminum	07/12/2011	EPA 6010B	19.4	509	mg/kg dry	4.F
Antimony	07/12/2011	EPA 6010B	1.94	<1.94	mg/kg dry	
Arsenic	07/12/2011	EPA 6010B	1.94	<1.94	mg/kg dry	
Barium	07/12/2011	EPA 6010B	3.92	5.08	mg/kg dry	4.F
Beryllium	07/12/2011	EPA 6010B	1.94	<1.94	mg/kg dry	
Cadmium	07/12/2011	EPA 6010B	1.18	<1.18	mg/kg dry	
Calcium	07/12/2011	EPA 6010B	9.72	397	mg/kg dry	4.F
Chromium	07/12/2011	EPA 6010B	1.94	2.18	mg/kg dry	
Cobalt	07/12/2011	EPA 6010B	1.94	<1.94	mg/kg dry	
Copper	07/12/2011	EPA 6010B	1.94	<1.94	mg/kg dry	4.F
Iron	07/12/2011	EPA 6010B	19.4	1160	mg/kg dry	4.F
Lead	07/12/2011	EPA 6010B	1.94	9.39	mg/kg dry	4.F
Magnesium	07/12/2011	EPA 6010B	1.94	193	mg/kg dry	
Manganese	07/12/2011	EPA 6010B	9.72	<9.72	mg/kg dry	4.F
Nickel	07/12/2011	EPA 6010B	1.94	<1.94	mg/kg dry	
Potassium	07/12/2011	EPA 6010B	1.94	102	mg/kg dry	4.H
Selenium	07/12/2011	EPA 6010B	1.94	<1.94	mg/kg dry	
Silver	07/12/2011	EPA 6010B	1.94	<1.94	mg/kg dry	
Sodium	07/12/2011	EPA 6010B	9.72	22.7	mg/kg dry	4.F
Thallium	07/12/2011	EPA 6010B	1.94	<1.94	mg/kg dry	
Vanadium	07/12/2011	EPA 6010B	1.94	<1.94	mg/kg dry	
Zinc	07/12/2011	EPA 6010B	1.94	11.1	mg/kg dry	4.F

Date Extracted: 07/12/2011

Preparation Method: EPA 3050B

Date Analyzed: 07/12/2011

Analytical Method: EPA 6010B

Mercury	07/13/2011	EPA 7471A	0.02	0.07	mg/kg dry	
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Date Extracted: 07/12/2011

Preparation Method: EPA 7471A

Date Analyzed: 07/13/2011

Analytical Method: EPA 7471A

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Client: Laurel Environmental	Client ID: 11-257 67 Brighton 1st Ln Brooklyn
Date (Time) Collected: 07/08/2011 08:30	Sample ID: SB-2 6-8'
Date (Time) Received: 07/11/2011 15:04	Laboratory ID: 1071113-06
Matrix: Soil	ELAP: #11693

Volatile Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
Bromomethane	74-83-9	6.20	<6.20	ug/kg dry	
Chlorodifluoromethane	75-45-6	6.20	<6.20	ug/kg dry	2.B
Chloroethane	75-00-3	6.20	<6.20	ug/kg dry	
Chloromethane	74-87-3	6.20	<6.20	ug/kg dry	
Dichlorodifluoromethane	75-71-8	6.20	<6.20	ug/kg dry	
Vinyl chloride	75-01-4	6.20	<6.20	ug/kg dry	
Trichlorofluoromethane	75-69-4	6.20	<6.20	ug/kg dry	
Acetone	67-64-1	62.0	<62.0	ug/kg dry	
1,1-Dichloroethylene	75-35-4	6.20	<6.20	ug/kg dry	
Methylene Chloride	75-09-2	6.20	11.4	ug/kg dry	4.C
Carbon disulfide	75-15-0	6.20	<6.20	ug/kg dry	
Methyl-tert-Butyl Ether	1634-04-4	6.20	<6.20	ug/kg dry	
trans-1,2-Dichloroethylene	156-60-5	6.20	<6.20	ug/kg dry	
1,1-Dichloroethane	75-34-3	6.20	<6.20	ug/kg dry	
Vinyl acetate	108-05-4	6.20	<6.20	ug/kg dry	
Methyl Ethyl Ketone (2-Butanone)	78-93-3	12.4	<12.4	ug/kg dry	
cis-1,2-Dichloroethylene	156-59-2	6.20	<6.20	ug/kg dry	
2,2-Dichloropropane	590-20-7	6.20	<6.20	ug/kg dry	
Bromochloromethane	74-97-5	6.20	<6.20	ug/kg dry	
Chloroform	67-66-3	6.20	<6.20	ug/kg dry	
1,1,1-Trichloroethane	71-55-6	6.20	<6.20	ug/kg dry	
1,2-Dichloroethane	107-06-2	6.20	<6.20	ug/kg dry	
1,1-Dichloropropylene	563-58-6	6.20	<6.20	ug/kg dry	
Carbon Tetrachloride	56-23-5	6.20	<6.20	ug/kg dry	
Benzene	71-43-2	6.20	<6.20	ug/kg dry	
Trichloroethylene	79-01-6	6.20	<6.20	ug/kg dry	
1,2-Dichloropropane	78-87-5	6.20	<6.20	ug/kg dry	
Dibromomethane	74-95-3	6.20	<6.20	ug/kg dry	
Bromodichloromethane	75-27-4	6.20	<6.20	ug/kg dry	
2-Chloroethyl Vinyl Ether	110-75-8	6.20	<6.20	ug/kg dry	
Methyl Isobutyl Ketone	108-10-1	12.4	<12.4	ug/kg dry	
cis-1,3-Dichloropropylene	10061-01-5	6.20	<6.20	ug/kg dry	



Client: Laurel Environmental	Client ID: 11-257 67 Brighton 1st Ln Brooklyn
Date (Time) Collected: 07/08/2011 08:30	Sample ID: SB-2 6-8'
Date (Time) Received: 07/11/2011 15:04	Laboratory ID: 1071113-06
Matrix: Soil	ELAP: #11693

Volatile Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
Toluene	108-88-3	6.20	<6.20	ug/kg dry	
trans-1,3-Dichloropropylene	10061-02-6	6.20	<6.20	ug/kg dry	
1,1,2-Trichloroethane	79-00-5	6.20	<6.20	ug/kg dry	
Methyl Butyl Ketone (2-Hexanone)	591-78-6	6.20	<6.20	ug/kg dry	
1,3-Dichloropropane	142-28-9	6.20	<6.20	ug/kg dry	
Dibromochloromethane	124-48-1	6.20	<6.20	ug/kg dry	
Tetrachloroethylene	127-18-4	6.20	<6.20	ug/kg dry	
1,2-Dibromoethane	106-93-4	6.20	<6.20	ug/kg dry	
Chlorobenzene	108-90-7	6.20	<6.20	ug/kg dry	
1,1,1,2-Tetrachloroethane	630-20-6	6.20	<6.20	ug/kg dry	
Ethylbenzene	100-41-4	6.20	<6.20	ug/kg dry	
m,p-Xylenes	108-38-3/106-42-3	12.4	<12.4	ug/kg dry	
Styrene	100-42-5	6.20	<6.20	ug/kg dry	
o-Xylene	95-47-6	6.20	<6.20	ug/kg dry	
Bromoform	75-25-2	6.20	<6.20	ug/kg dry	
1,1,2,2-Tetrachloroethane	79-34-5	6.20	<6.20	ug/kg dry	
Isopropylbenzene (Cumene)	98-82-8	6.20	<6.20	ug/kg dry	
1,2,3-Trichloropropane	96-18-4	6.20	<6.20	ug/kg dry	
Bromobenzene	108-86-1	6.20	<6.20	ug/kg dry	
n-Propylbenzene	103-65-1	6.20	<6.20	ug/kg dry	
2-Chlorotoluene	95-49-8	6.20	<6.20	ug/kg dry	
4-Ethyltoluene	622-96-8	6.20	<6.20	ug/kg dry	2.B
4-Chlorotoluene	106-43-4	6.20	<6.20	ug/kg dry	
1,3,5-Trimethylbenzene	108-67-8	6.20	<6.20	ug/kg dry	
tert-Butylbenzene	98-06-6	6.20	<6.20	ug/kg dry	
1,2,4-Trimethylbenzene	95-63-6	6.20	<6.20	ug/kg dry	
sec-Butylbenzene	135-98-8	6.20	<6.20	ug/kg dry	
1,3-Dichlorobenzene	541-73-1	6.20	<6.20	ug/kg dry	
4-Isopropyltoluene	99-87-6	6.20	<6.20	ug/kg dry	
1,4-Dichlorobenzene	106-46-7	6.20	<6.20	ug/kg dry	
1,2-Dichlorobenzene	95-50-1	6.20	<6.20	ug/kg dry	



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Date (Time) Received: 07/11/2011 15:04	Laboratory ID: 1071113-06
Matrix: Soil	ELAP: #11693

Volatile Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
1,4-Diethylbenzene	105-05-5	6.20	<6.20	ug/kg dry	2.B
n-Butylbenzene	104-51-8	6.20	<6.20	ug/kg dry	
1,2-Dibromo-3-chloropropane	96-12-8	6.20	<6.20	ug/kg dry	
1,2,4,5-Tetramethylbenzene	95-93-2	6.20	<6.20	ug/kg dry	2.B
1,2,4-Trichlorobenzene	120-82-1	6.20	<6.20	ug/kg dry	
Naphthalene	91-20-3	6.20	<6.20	ug/kg dry	
Hexachlorobutadiene	87-68-3	6.20	<6.20	ug/kg dry	
Acrylonitrile	107-13-1	6.20	<6.20	ug/kg dry	
1,4-Dioxane	123-91-1	6.20	<6.20	ug/kg dry	
Acrolein	107-02-8	6.20	<6.20	ug/kg dry	

Date Extracted: 07/12/2011

Preparation Method: EPA 5030C Modified

Date Analyzed: 07/12/2011

Analytical Method: EPA 8260B



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Date (Time) Received: 07/11/2011 15:04	Laboratory ID: 1071113-06
Matrix: Soil	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
Pyridine	110-86-1	49.6	<49.6	ug/kg dry	
N-Nitrosodimethylamine	62-75-9	49.6	<49.6	ug/kg dry	
Phenol	108-95-2	49.6	<49.6	ug/kg dry	
Aniline	62-53-3	49.6	<49.6	ug/kg dry	
2-Chlorophenol	95-57-8	49.6	<49.6	ug/kg dry	
Bis(2-Chloroethyl)ether	111-44-4	49.6	<49.6	ug/kg dry	
1,3-Dichlorobenzene	541-73-1	49.6	<49.6	ug/kg dry	
1,4-Dichlorobenzene	106-46-7	49.6	<49.6	ug/kg dry	
Benzyl alcohol	100-51-6	49.6	<49.6	ug/kg dry	
1,2-Dichlorobenzene	95-50-1	49.6	<49.6	ug/kg dry	
2-Methylphenol	95-48-7	49.6	<49.6	ug/kg dry	
Bis(2-chloroisopropyl)ether	39638-32-9	49.6	<49.6	ug/kg dry	
Hexachloroethane	67-72-1	49.6	<49.6	ug/kg dry	
3/4-Methylphenol	108-39-4/106-44-5	49.6	<49.6	ug/kg dry	
N-Nitroso-di-n-propylamine	621-64-7	49.6	<49.6	ug/kg dry	
Nitrobenzene	98-95-3	49.6	<49.6	ug/kg dry	
Isophorone	78-59-1	49.6	<49.6	ug/kg dry	
2-Nitrophenol	88-75-5	49.6	<49.6	ug/kg dry	
2,4-Dimethylphenol	105-67-9	49.6	<49.6	ug/kg dry	
Benzoic Acid	65-85-0	49.6	<49.6	ug/kg dry	
bis(2-Chloroethoxy)methane	111-91-1	49.6	<49.6	ug/kg dry	
2,4-Dichlorophenol	120-83-2	49.6	<49.6	ug/kg dry	
1,2,4-Trichlorobenzene	120-82-1	49.6	<49.6	ug/kg dry	
Naphthalene	91-20-3	49.6	<49.6	ug/kg dry	
4-Chloroaniline	106-47-8	49.6	<49.6	ug/kg dry	
Hexachlorobutadiene	87-68-3	49.6	<49.6	ug/kg dry	
4-Chloro-3-methylphenol	59-50-7	49.6	<49.6	ug/kg dry	
2-Methylnaphthalene	91-57-6	49.6	<49.6	ug/kg dry	
Hexachlorocyclopentadiene	77-47-4	49.6	<49.6	ug/kg dry	
2,4,6-Trichlorophenol	88-06-2	49.6	<49.6	ug/kg dry	
2,4,5-Trichlorophenol	95-95-4	49.6	<49.6	ug/kg dry	
2-Chloronaphthalene	91-58-7	49.6	<49.6	ug/kg dry	



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Date (Time) Received: 07/11/2011 15:04	Laboratory ID: 1071113-06
Matrix: Soil	ELAP: #11693

Semivolatiles Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
2-Nitroaniline	88-74-4	49.6	<49.6	ug/kg dry	
Dimethyl phthalate	131-11-3	49.6	<49.6	ug/kg dry	
Acenaphthylene	208-96-8	49.6	<49.6	ug/kg dry	
2,6-Dinitrotoluene	606-20-2	49.6	<49.6	ug/kg dry	
3-Nitroaniline	99-09-2	49.6	<49.6	ug/kg dry	
Acenaphthene	83-32-9	49.6	<49.6	ug/kg dry	
2,4-Dinitrophenol	51-28-5	49.6	<49.6	ug/kg dry	
Dibenzofuran	132-64-9	49.6	<49.6	ug/kg dry	
4-Nitrophenol	100-02-7	49.6	<49.6	ug/kg dry	
2,4-Dinitrotoluene	121-14-2	49.6	<49.6	ug/kg dry	
Fluorene	86-73-7	49.6	<49.6	ug/kg dry	
Diethyl phthalate	84-66-2	49.6	<49.6	ug/kg dry	
4-Chlorophenyl phenyl ether	7005-72-3	49.6	<49.6	ug/kg dry	
4-Nitroaniline	100-01-6	49.6	<49.6	ug/kg dry	
4,6-Dinitro-2-methylphenol	534-52-1	49.6	<49.6	ug/kg dry	
N-Nitrosodiphenylamine	86-30-6	49.6	<49.6	ug/kg dry	
Azobenzene	103-33-3	49.6	<49.6	ug/kg dry	
4-Bromophenyl phenyl ether	101-55-3	49.6	<49.6	ug/kg dry	
Hexachlorobenzene	118-74-1	49.6	<49.6	ug/kg dry	
Pentachlorophenol	87-86-5	49.6	<49.6	ug/kg dry	
Phenanthrene	85-01-8	49.6	<49.6	ug/kg dry	
Anthracene	120-12-7	49.6	<49.6	ug/kg dry	
Carbazole	86-74-8	49.6	<49.6	ug/kg dry	
Di-n-butyl phthalate	84-74-2	49.6	<49.6	ug/kg dry	
Fluoranthene	206-44-0	49.6	<49.6	ug/kg dry	
Pyrene	129-00-0	49.6	<49.6	ug/kg dry	
Benzidine	92-87-5	49.6	<49.6	ug/kg dry	4.G
Butyl benzyl phthalate	85-68-7	49.6	<49.6	ug/kg dry	
Benzo(a)anthracene	56-55-3	49.6	<49.6	ug/kg dry	
Chrysene	218-01-9	49.6	<49.6	ug/kg dry	
3,3'-Dichlorobenzidine	91-94-1	49.6	<49.6	ug/kg dry	4.K



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Date (Time) Collected: 07/08/2011 08:30	Sample ID: SB-2 6-8'
Date (Time) Received: 07/11/2011 15:04	Laboratory ID: 1071113-06
Matrix: Soil	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
Bis(2-Ethylhexyl)phthalate	117-81-7	49.6	<49.6	ug/kg dry	
Di-n-octyl phthalate	117-84-0	49.6	<49.6	ug/kg dry	
Benzo(b)fluoranthene	205-99-2	49.6	<49.6	ug/kg dry	
Benzo(k)fluoranthene	207-08-9	49.6	<49.6	ug/kg dry	
Benzo(a)pyrene	50-32-8	49.6	<49.6	ug/kg dry	
Indeno(1,2,3-cd)pyrene	193-39-5	49.6	<49.6	ug/kg dry	
Dibenzo(a,h)anthracene	53-70-3	49.6	<49.6	ug/kg dry	
Benzo(g,h,i)perylene	191-24-2	49.6	<49.6	ug/kg dry	

Date Extracted: 07/11/2011

Preparation Method: EPA 3545

Date Analyzed: 07/13/2011

Analytical Method: EPA 8270C



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Matrix: Soil	ELAP: #11693

PCB/Aroclor Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
Aroclor-1016	12674-11-2	24.8	<24.8	ug/kg dry	
Aroclor-1260	11096-82-5	24.8	<24.8	ug/kg dry	
Aroclor 1221	11104-28-2	24.8	<24.8	ug/kg dry	
Aroclor 1232	11141-16-5	24.8	<24.8	ug/kg dry	
Aroclor 1242	53469-21-9	24.8	<24.8	ug/kg dry	
Aroclor 1248	12672-29-6	24.8	<24.8	ug/kg dry	
Aroclor 1254	11097-69-1	24.8	<24.8	ug/kg dry	

Date Extracted: 07/12/2011

Preparation Method: EPA 3545

Date Analyzed: 07/15/2011

Analytical Method: EPA 8082



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Date (Time) Collected: 07/08/2011 08:30	Sample ID: SB-2 6-8'
Date (Time) Received: 07/11/2011 15:04	Laboratory ID: 1071113-06
Matrix: Soil	ELAP: #11693

Total Metals Analysis

Parameter	Date Analyzed	Method	MRL	Result	Units	Flag
Aluminum	07/12/2011	EPA 6010B	19.7	394	mg/kg dry	4.F
Antimony	07/12/2011	EPA 6010B	1.97	<1.97	mg/kg dry	
Arsenic	07/12/2011	EPA 6010B	1.97	<1.97	mg/kg dry	
Barium	07/12/2011	EPA 6010B	3.97	4.60	mg/kg dry	4.F
Beryllium	07/12/2011	EPA 6010B	1.97	<1.97	mg/kg dry	
Cadmium	07/12/2011	EPA 6010B	1.19	<1.19	mg/kg dry	
Calcium	07/12/2011	EPA 6010B	9.84	234	mg/kg dry	4.F
Chromium	07/12/2011	EPA 6010B	1.97	<1.97	mg/kg dry	
Cobalt	07/12/2011	EPA 6010B	1.97	<1.97	mg/kg dry	
Copper	07/12/2011	EPA 6010B	1.97	<1.97	mg/kg dry	4.F
Iron	07/12/2011	EPA 6010B	19.7	631	mg/kg dry	4.F
Lead	07/12/2011	EPA 6010B	1.97	<1.97	mg/kg dry	4.F
Magnesium	07/12/2011	EPA 6010B	1.97	168	mg/kg dry	
Manganese	07/12/2011	EPA 6010B	9.84	<9.84	mg/kg dry	4.F
Nickel	07/12/2011	EPA 6010B	1.97	<1.97	mg/kg dry	
Potassium	07/12/2011	EPA 6010B	1.97	85.8	mg/kg dry	4.H
Selenium	07/12/2011	EPA 6010B	1.97	<1.97	mg/kg dry	
Silver	07/12/2011	EPA 6010B	1.97	<1.97	mg/kg dry	
Sodium	07/12/2011	EPA 6010B	9.84	19.6	mg/kg dry	4.F
Thallium	07/12/2011	EPA 6010B	1.97	<1.97	mg/kg dry	
Vanadium	07/12/2011	EPA 6010B	1.97	<1.97	mg/kg dry	
Zinc	07/12/2011	EPA 6010B	1.97	7.26	mg/kg dry	4.F

Date Extracted: 07/12/2011

Preparation Method: EPA 3050B

Date Analyzed: 07/12/2011

Analytical Method: EPA 6010B

Mercury	07/13/2011	EPA 7471A	0.02	<0.02	mg/kg dry	
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Date Extracted: 07/12/2011

Preparation Method: EPA 7471A

Date Analyzed: 07/13/2011

Analytical Method: EPA 7471A



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"TOMORROWS ANALYTICAL SOLUTIONS TODAY"

Phone (631) 472-3400 • Fax (631) 472-8505 • Email: LIAL@lialinc.com

Client: Laurel Environmental	Client ID: 11-257 67 Brighton 1st Ln Brooklyn
Date (Time) Collected: 07/08/2011 13:00	Sample ID: SB-3 8-10'
Date (Time) Received: 07/11/2011 15:04	Laboratory ID: 1071113-07
Matrix: Soil	ELAP: #11693

Volatile Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
Bromomethane	74-83-9	6.15	<6.15	ug/kg dry	
Chlorodifluoromethane	75-45-6	6.15	<6.15	ug/kg dry	2.B
Chloroethane	75-00-3	6.15	<6.15	ug/kg dry	
Chloromethane	74-87-3	6.15	<6.15	ug/kg dry	
Dichlorodifluoromethane	75-71-8	6.15	<6.15	ug/kg dry	
Vinyl chloride	75-01-4	6.15	<6.15	ug/kg dry	
Trichlorofluoromethane	75-69-4	6.15	<6.15	ug/kg dry	
Acetone	67-64-1	61.5	<61.5	ug/kg dry	
1,1-Dichloroethylene	75-35-4	6.15	<6.15	ug/kg dry	
Methylene Chloride	75-09-2	6.15	10.2	ug/kg dry	4.C
Carbon disulfide	75-15-0	6.15	<6.15	ug/kg dry	
Methyl-tert-Butyl Ether	1634-04-4	6.15	<6.15	ug/kg dry	
trans-1,2-Dichloroethylene	156-60-5	6.15	<6.15	ug/kg dry	
1,1-Dichloroethane	75-34-3	6.15	<6.15	ug/kg dry	
Vinyl acetate	108-05-4	6.15	<6.15	ug/kg dry	
Methyl Ethyl Ketone (2-Butanone)	78-93-3	12.3	<12.3	ug/kg dry	
cis-1,2-Dichloroethylene	156-59-2	6.15	<6.15	ug/kg dry	
2,2-Dichloropropane	590-20-7	6.15	<6.15	ug/kg dry	
Bromochloromethane	74-97-5	6.15	<6.15	ug/kg dry	
Chloroform	67-66-3	6.15	<6.15	ug/kg dry	
1,1,1-Trichloroethane	71-55-6	6.15	<6.15	ug/kg dry	
1,2-Dichloroethane	107-06-2	6.15	<6.15	ug/kg dry	
1,1-Dichloropropylene	563-58-6	6.15	<6.15	ug/kg dry	
Carbon Tetrachloride	56-23-5	6.15	<6.15	ug/kg dry	
Benzene	71-43-2	6.15	<6.15	ug/kg dry	
Trichloroethylene	79-01-6	6.15	<6.15	ug/kg dry	
1,2-Dichloropropane	78-87-5	6.15	<6.15	ug/kg dry	
Dibromomethane	74-95-3	6.15	<6.15	ug/kg dry	
Bromodichloromethane	75-27-4	6.15	<6.15	ug/kg dry	
2-Chloroethyl Vinyl Ether	110-75-8	6.15	<6.15	ug/kg dry	
Methyl Isobutyl Ketone	108-10-1	12.3	<12.3	ug/kg dry	
cis-1,3-Dichloropropylene	10061-01-5	6.15	<6.15	ug/kg dry	



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Client: Laurel Environmental	Client ID: 11-257 67 Brighton 1st Ln Brooklyn
Date (Time) Collected: 07/08/2011 13:00	Sample ID: SB-3 8-10'
Date (Time) Received: 07/11/2011 15:04	Laboratory ID: 1071113-07
Matrix: Soil	ELAP: #11693

Volatile Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
Toluene	108-88-3	6.15	<6.15	ug/kg dry	
trans-1,3-Dichloropropylene	10061-02-6	6.15	<6.15	ug/kg dry	
1,1,2-Trichloroethane	79-00-5	6.15	<6.15	ug/kg dry	
Methyl Butyl Ketone (2-Hexanone)	591-78-6	6.15	<6.15	ug/kg dry	
1,3-Dichloropropane	142-28-9	6.15	<6.15	ug/kg dry	
Dibromochloromethane	124-48-1	6.15	<6.15	ug/kg dry	
Tetrachloroethylene	127-18-4	6.15	<6.15	ug/kg dry	
1,2-Dibromoethane	106-93-4	6.15	<6.15	ug/kg dry	
Chlorobenzene	108-90-7	6.15	<6.15	ug/kg dry	
1,1,1,2-Tetrachloroethane	630-20-6	6.15	<6.15	ug/kg dry	
Ethylbenzene	100-41-4	6.15	<6.15	ug/kg dry	
m,p-Xylenes	108-38-3/106-42-3	12.3	<12.3	ug/kg dry	
Styrene	100-42-5	6.15	<6.15	ug/kg dry	
o-Xylene	95-47-6	6.15	<6.15	ug/kg dry	
Bromoform	75-25-2	6.15	<6.15	ug/kg dry	
1,1,2,2-Tetrachloroethane	79-34-5	6.15	<6.15	ug/kg dry	
Isopropylbenzene (Cumene)	98-82-8	6.15	<6.15	ug/kg dry	
1,2,3-Trichloropropane	96-18-4	6.15	<6.15	ug/kg dry	
Bromobenzene	108-86-1	6.15	<6.15	ug/kg dry	
n-Propylbenzene	103-65-1	6.15	<6.15	ug/kg dry	
2-Chlorotoluene	95-49-8	6.15	<6.15	ug/kg dry	
4-Ethyltoluene	622-96-8	6.15	<6.15	ug/kg dry	2.B
4-Chlorotoluene	106-43-4	6.15	<6.15	ug/kg dry	
1,3,5-Trimethylbenzene	108-67-8	6.15	<6.15	ug/kg dry	
tert-Butylbenzene	98-06-6	6.15	<6.15	ug/kg dry	
1,2,4-Trimethylbenzene	95-63-6	6.15	<6.15	ug/kg dry	
sec-Butylbenzene	135-98-8	6.15	<6.15	ug/kg dry	
1,3-Dichlorobenzene	541-73-1	6.15	<6.15	ug/kg dry	
4-Isopropyltoluene	99-87-6	6.15	<6.15	ug/kg dry	
1,4-Dichlorobenzene	106-46-7	6.15	<6.15	ug/kg dry	
1,2-Dichlorobenzene	95-50-1	6.15	<6.15	ug/kg dry	



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Date (Time) Collected: 07/08/2011 13:00	Sample ID: SB-3 8-10'
Date (Time) Received: 07/11/2011 15:04	Laboratory ID: 1071113-07
Matrix: Soil	ELAP: #11693

Volatile Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
1,4-Diethylbenzene	105-05-5	6.15	<6.15	ug/kg dry	2.B
n-Butylbenzene	104-51-8	6.15	<6.15	ug/kg dry	
1,2-Dibromo-3-chloropropane	96-12-8	6.15	<6.15	ug/kg dry	
1,2,4,5-Tetramethylbenzene	95-93-2	6.15	<6.15	ug/kg dry	2.B
1,2,4-Trichlorobenzene	120-82-1	6.15	<6.15	ug/kg dry	
Naphthalene	91-20-3	6.15	<6.15	ug/kg dry	
Hexachlorobutadiene	87-68-3	6.15	<6.15	ug/kg dry	
Acrylonitrile	107-13-1	6.15	<6.15	ug/kg dry	
1,4-Dioxane	123-91-1	6.15	<6.15	ug/kg dry	
Acrolein	107-02-8	6.15	<6.15	ug/kg dry	

Date Extracted: 07/12/2011

Preparation Method: EPA 5030C Modified

Date Analyzed: 07/12/2011

Analytical Method: EPA 8260B



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Date (Time) Collected: 07/08/2011 13:00	Sample ID: SB-3 8-10'
Date (Time) Received: 07/11/2011 15:04	Laboratory ID: 1071113-07
Matrix: Soil	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
Pyridine	110-86-1	49.2	<49.2	ug/kg dry	
N-Nitrosodimethylamine	62-75-9	49.2	<49.2	ug/kg dry	
Phenol	108-95-2	49.2	<49.2	ug/kg dry	
Aniline	62-53-3	49.2	<49.2	ug/kg dry	
2-Chlorophenol	95-57-8	49.2	<49.2	ug/kg dry	
Bis(2-Chloroethyl)ether	111-44-4	49.2	<49.2	ug/kg dry	
1,3-Dichlorobenzene	541-73-1	49.2	<49.2	ug/kg dry	
1,4-Dichlorobenzene	106-46-7	49.2	<49.2	ug/kg dry	
Benzyl alcohol	100-51-6	49.2	<49.2	ug/kg dry	
1,2-Dichlorobenzene	95-50-1	49.2	<49.2	ug/kg dry	
2-Methylphenol	95-48-7	49.2	<49.2	ug/kg dry	
Bis(2-chloroisopropyl)ether	39638-32-9	49.2	<49.2	ug/kg dry	
Hexachloroethane	67-72-1	49.2	<49.2	ug/kg dry	
3/4-Methylphenol	108-39-4/106-44-5	49.2	<49.2	ug/kg dry	
N-Nitroso-di-n-propylamine	621-64-7	49.2	<49.2	ug/kg dry	
Nitrobenzene	98-95-3	49.2	<49.2	ug/kg dry	
Isophorone	78-59-1	49.2	<49.2	ug/kg dry	
2-Nitrophenol	88-75-5	49.2	<49.2	ug/kg dry	
2,4-Dimethylphenol	105-67-9	49.2	<49.2	ug/kg dry	
Benzoic Acid	65-85-0	49.2	<49.2	ug/kg dry	
bis(2-Chloroethoxy)methane	111-91-1	49.2	<49.2	ug/kg dry	
2,4-Dichlorophenol	120-83-2	49.2	<49.2	ug/kg dry	
1,2,4-Trichlorobenzene	120-82-1	49.2	<49.2	ug/kg dry	
Naphthalene	91-20-3	49.2	<49.2	ug/kg dry	
4-Chloroaniline	106-47-8	49.2	<49.2	ug/kg dry	
Hexachlorobutadiene	87-68-3	49.2	<49.2	ug/kg dry	
4-Chloro-3-methylphenol	59-50-7	49.2	<49.2	ug/kg dry	
2-Methylnaphthalene	91-57-6	49.2	<49.2	ug/kg dry	
Hexachlorocyclopentadiene	77-47-4	49.2	<49.2	ug/kg dry	
2,4,6-Trichlorophenol	88-06-2	49.2	<49.2	ug/kg dry	
2,4,5-Trichlorophenol	95-95-4	49.2	<49.2	ug/kg dry	
2-Chloronaphthalene	91-58-7	49.2	<49.2	ug/kg dry	



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Date (Time) Collected: 07/08/2011 13:00	Sample ID: SB-3 8-10'
Date (Time) Received: 07/11/2011 15:04	Laboratory ID: 1071113-07
Matrix: Soil	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
2-Nitroaniline	88-74-4	49.2	<49.2	ug/kg dry	
Dimethyl phthalate	131-11-3	49.2	<49.2	ug/kg dry	
Acenaphthylene	208-96-8	49.2	<49.2	ug/kg dry	
2,6-Dinitrotoluene	606-20-2	49.2	<49.2	ug/kg dry	
3-Nitroaniline	99-09-2	49.2	<49.2	ug/kg dry	
Acenaphthene	83-32-9	49.2	<49.2	ug/kg dry	
2,4-Dinitrophenol	51-28-5	49.2	<49.2	ug/kg dry	
Dibenzofuran	132-64-9	49.2	<49.2	ug/kg dry	
4-Nitrophenol	100-02-7	49.2	<49.2	ug/kg dry	
2,4-Dinitrotoluene	121-14-2	49.2	<49.2	ug/kg dry	
Fluorene	86-73-7	49.2	<49.2	ug/kg dry	
Diethyl phthalate	84-66-2	49.2	<49.2	ug/kg dry	
4-Chlorophenyl phenyl ether	7005-72-3	49.2	<49.2	ug/kg dry	
4-Nitroaniline	100-01-6	49.2	<49.2	ug/kg dry	
4,6-Dinitro-2-methylphenol	534-52-1	49.2	<49.2	ug/kg dry	
N-Nitrosodiphenylamine	86-30-6	49.2	<49.2	ug/kg dry	
Azobenzene	103-33-3	49.2	<49.2	ug/kg dry	
4-Bromophenyl phenyl ether	101-55-3	49.2	<49.2	ug/kg dry	
Hexachlorobenzene	118-74-1	49.2	<49.2	ug/kg dry	
Pentachlorophenol	87-86-5	49.2	<49.2	ug/kg dry	
Phenanthrene	85-01-8	49.2	<49.2	ug/kg dry	
Anthracene	120-12-7	49.2	<49.2	ug/kg dry	
Carbazole	86-74-8	49.2	<49.2	ug/kg dry	
Di-n-butyl phthalate	84-74-2	49.2	<49.2	ug/kg dry	
Fluoranthene	206-44-0	49.2	<49.2	ug/kg dry	
Pyrene	129-00-0	49.2	<49.2	ug/kg dry	
Benzidine	92-87-5	49.2	<49.2	ug/kg dry	4.G
Butyl benzyl phthalate	85-68-7	49.2	<49.2	ug/kg dry	
Benzo(a)anthracene	56-55-3	49.2	<49.2	ug/kg dry	
Chrysene	218-01-9	49.2	<49.2	ug/kg dry	
3,3'-Dichlorobenzidine	91-94-1	49.2	<49.2	ug/kg dry	4.K



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Date (Time) Collected: 07/08/2011 13:00	Sample ID: SB-3 8-10'
Date (Time) Received: 07/11/2011 15:04	Laboratory ID: 1071113-07
Matrix: Soil	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
Bis(2-Ethylhexyl)phthalate	117-81-7	49.2	93.5	ug/kg dry	4.B
Di-n-octyl phthalate	117-84-0	49.2	<49.2	ug/kg dry	
Benzo(b)fluoranthene	205-99-2	49.2	<49.2	ug/kg dry	
Benzo(k)fluoranthene	207-08-9	49.2	<49.2	ug/kg dry	
Benzo(a)pyrene	50-32-8	49.2	<49.2	ug/kg dry	
Indeno(1,2,3-cd)pyrene	193-39-5	49.2	<49.2	ug/kg dry	
Dibenzo(a,h)anthracene	53-70-3	49.2	<49.2	ug/kg dry	
Benzo(g,h,i)perylene	191-24-2	49.2	<49.2	ug/kg dry	

Date Extracted: 07/11/2011

Preparation Method: EPA 3545

Date Analyzed: 07/13/2011

Analytical Method: EPA 8270C



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Client: Laurel Environmental	Client ID: 11-257 67 Brighton 1st Ln Brooklyn
Date (Time) Collected: 07/08/2011 13:00	Sample ID: SB-3 8-10'
Date (Time) Received: 07/11/2011 15:04	Laboratory ID: 1071113-07
Matrix: Soil	ELAP: #11693

PCB/Aroclor Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
Aroclor-1016	12674-11-2	24.6	<24.6	ug/kg dry	
Aroclor-1260	11096-82-5	24.6	<24.6	ug/kg dry	
Aroclor 1221	11104-28-2	24.6	<24.6	ug/kg dry	
Aroclor 1232	11141-16-5	24.6	<24.6	ug/kg dry	
Aroclor 1242	53469-21-9	24.6	<24.6	ug/kg dry	
Aroclor 1248	12672-29-6	24.6	<24.6	ug/kg dry	
Aroclor 1254	11097-69-1	24.6	<24.6	ug/kg dry	

Date Extracted: 07/12/2011

Preparation Method: EPA 3545

Date Analyzed: 07/15/2011

Analytical Method: EPA 8082



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Client: Laurel Environmental	Client ID: 11-257 67 Brighton 1st Ln Brooklyn
Date (Time) Collected: 07/08/2011 13:00	Sample ID: SB-3 8-10'
Date (Time) Received: 07/11/2011 15:04	Laboratory ID: 1071113-07
Matrix: Soil	ELAP: #11693

Total Metals Analysis

Parameter	Date Analyzed	Method	MRL	Result	Units	Flag
Aluminum	07/12/2011	EPA 6010B	19.2	426	mg/kg dry	4.F
Antimony	07/12/2011	EPA 6010B	1.92	<1.92	mg/kg dry	
Arsenic	07/12/2011	EPA 6010B	1.92	<1.92	mg/kg dry	
Barium	07/12/2011	EPA 6010B	3.88	<3.88	mg/kg dry	4.F
Beryllium	07/12/2011	EPA 6010B	1.92	<1.92	mg/kg dry	
Cadmium	07/12/2011	EPA 6010B	1.16	<1.16	mg/kg dry	
Calcium	07/12/2011	EPA 6010B	9.60	199	mg/kg dry	4.F
Chromium	07/12/2011	EPA 6010B	1.92	<1.92	mg/kg dry	
Cobalt	07/12/2011	EPA 6010B	1.92	<1.92	mg/kg dry	
Copper	07/12/2011	EPA 6010B	1.92	<1.92	mg/kg dry	4.F
Iron	07/12/2011	EPA 6010B	19.2	712	mg/kg dry	4.F
Lead	07/12/2011	EPA 6010B	1.92	<1.92	mg/kg dry	4.F
Magnesium	07/12/2011	EPA 6010B	1.92	175	mg/kg dry	
Manganese	07/12/2011	EPA 6010B	9.60	<9.60	mg/kg dry	4.F
Nickel	07/12/2011	EPA 6010B	1.92	<1.92	mg/kg dry	
Potassium	07/12/2011	EPA 6010B	1.92	97.2	mg/kg dry	4.H
Selenium	07/12/2011	EPA 6010B	1.92	<1.92	mg/kg dry	
Silver	07/12/2011	EPA 6010B	1.92	<1.92	mg/kg dry	
Sodium	07/12/2011	EPA 6010B	9.60	15.1	mg/kg dry	4.F
Thallium	07/12/2011	EPA 6010B	1.92	<1.92	mg/kg dry	
Vanadium	07/12/2011	EPA 6010B	1.92	<1.92	mg/kg dry	
Zinc	07/12/2011	EPA 6010B	1.92	6.21	mg/kg dry	4.F

Date Extracted: 07/12/2011

Preparation Method: EPA 3050B

Date Analyzed: 07/12/2011

Analytical Method: EPA 6010B

Mercury	07/13/2011	EPA 7471A	0.02	<0.02	mg/kg dry	
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Date Extracted: 07/12/2011

Preparation Method: EPA 7471A

Date Analyzed: 07/13/2011

Analytical Method: EPA 7471A



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Client: Laurel Environmental	Client ID: 11-257 67 Brighton 1st Ln Brooklyn
Date (Time) Collected: 07/08/2011 08:30	Sample ID: SB-1/SB-3
Date (Time) Received: 07/11/2011 15:04	Laboratory ID: 1071113-08
Matrix: Soil	ELAP: #11693

Volatile Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
Bromomethane	74-83-9	29.3	<29.3	ug/kg dry	3.B
Chlorodifluoromethane	75-45-6	29.3	<29.3	ug/kg dry	2.B, 3.B
Chloroethane	75-00-3	29.3	<29.3	ug/kg dry	3.B
Chloromethane	74-87-3	29.3	<29.3	ug/kg dry	3.B
Dichlorodifluoromethane	75-71-8	29.3	<29.3	ug/kg dry	3.B
Vinyl chloride	75-01-4	29.3	<29.3	ug/kg dry	3.B
Trichlorofluoromethane	75-69-4	29.3	<29.3	ug/kg dry	3.B
Acetone	67-64-1	293	<293	ug/kg dry	3.B
1,1-Dichloroethylene	75-35-4	29.3	<29.3	ug/kg dry	3.B
Methylene Chloride	75-09-2	29.3	<29.3	ug/kg dry	3.B
Carbon disulfide	75-15-0	29.3	<29.3	ug/kg dry	3.B
Methyl-tert-Butyl Ether	1634-04-4	29.3	<29.3	ug/kg dry	3.B
trans-1,2-Dichloroethylene	156-60-5	29.3	<29.3	ug/kg dry	3.B
1,1-Dichloroethane	75-34-3	29.3	<29.3	ug/kg dry	3.B
Vinyl acetate	108-05-4	29.3	<29.3	ug/kg dry	3.B
Methyl Ethyl Ketone (2-Butanone)	78-93-3	58.5	<58.5	ug/kg dry	3.B
cis-1,2-Dichloroethylene	156-59-2	29.3	<29.3	ug/kg dry	3.B
2,2-Dichloropropane	590-20-7	29.3	<29.3	ug/kg dry	3.B
Bromochloromethane	74-97-5	29.3	<29.3	ug/kg dry	3.B
Chloroform	67-66-3	29.3	<29.3	ug/kg dry	3.B
1,1,1-Trichloroethane	71-55-6	29.3	<29.3	ug/kg dry	3.B
1,2-Dichloroethane	107-06-2	29.3	<29.3	ug/kg dry	3.B
1,1-Dichloropropylene	563-58-6	29.3	<29.3	ug/kg dry	3.B
Carbon Tetrachloride	56-23-5	29.3	<29.3	ug/kg dry	3.B
Benzene	71-43-2	29.3	<29.3	ug/kg dry	3.B
Trichloroethylene	79-01-6	29.3	<29.3	ug/kg dry	3.B
1,2-Dichloropropane	78-87-5	29.3	<29.3	ug/kg dry	3.B
Dibromomethane	74-95-3	29.3	<29.3	ug/kg dry	3.B
Bromodichloromethane	75-27-4	29.3	<29.3	ug/kg dry	3.B
2-Chloroethyl Vinyl Ether	110-75-8	29.3	<29.3	ug/kg dry	3.B
Methyl Isobutyl Ketone	108-10-1	58.5	<58.5	ug/kg dry	3.B
cis-1,3-Dichloropropylene	10061-01-5	29.3	<29.3	ug/kg dry	3.B



Client: Laurel Environmental	Client ID: 11-257 67 Brighton 1st Ln Brooklyn
Date (Time) Collected: 07/08/2011 08:30	Sample ID: SB-1/SB-3
Date (Time) Received: 07/11/2011 15:04	Laboratory ID: 1071113-08
Matrix: Soil	ELAP: #11693

Volatile Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
Toluene	108-88-3	29.3	<29.3	ug/kg dry	3.B
trans-1,3-Dichloropropylene	10061-02-6	29.3	<29.3	ug/kg dry	3.B
1,1,2-Trichloroethane	79-00-5	29.3	<29.3	ug/kg dry	3.B
Methyl Butyl Ketone (2-Hexanone)	591-78-6	29.3	<29.3	ug/kg dry	3.B
1,3-Dichloropropane	142-28-9	29.3	<29.3	ug/kg dry	3.B
Dibromochloromethane	124-48-1	29.3	<29.3	ug/kg dry	3.B
Tetrachloroethylene	127-18-4	29.3	<29.3	ug/kg dry	3.B
1,2-Dibromoethane	106-93-4	29.3	<29.3	ug/kg dry	3.B
Chlorobenzene	108-90-7	29.3	<29.3	ug/kg dry	3.B
1,1,1,2-Tetrachloroethane	630-20-6	29.3	<29.3	ug/kg dry	3.B
Ethylbenzene	100-41-4	29.3	<29.3	ug/kg dry	3.B
m,p-Xylenes	108-38-3/106-42-3	58.5	<58.5	ug/kg dry	3.B
Styrene	100-42-5	29.3	<29.3	ug/kg dry	3.B
o-Xylene	95-47-6	29.3	<29.3	ug/kg dry	3.B
Bromoform	75-25-2	29.3	<29.3	ug/kg dry	3.B
1,1,2,2-Tetrachloroethane	79-34-5	29.3	<29.3	ug/kg dry	3.B
Isopropylbenzene (Cumene)	98-82-8	29.3	<29.3	ug/kg dry	3.B
1,2,3-Trichloropropane	96-18-4	29.3	<29.3	ug/kg dry	3.B
Bromobenzene	108-86-1	29.3	<29.3	ug/kg dry	3.B
n-Propylbenzene	103-65-1	29.3	<29.3	ug/kg dry	3.B
2-Chlorotoluene	95-49-8	29.3	<29.3	ug/kg dry	3.B
4-Ethyltoluene	622-96-8	29.3	<29.3	ug/kg dry	2.B, 3.B
4-Chlorotoluene	106-43-4	29.3	<29.3	ug/kg dry	3.B
1,3,5-Trimethylbenzene	108-67-8	29.3	<29.3	ug/kg dry	3.B
tert-Butylbenzene	98-06-6	29.3	<29.3	ug/kg dry	3.B
1,2,4-Trimethylbenzene	95-63-6	29.3	<29.3	ug/kg dry	3.B
sec-Butylbenzene	135-98-8	29.3	<29.3	ug/kg dry	3.B
1,3-Dichlorobenzene	541-73-1	29.3	<29.3	ug/kg dry	3.B
4-Isopropyltoluene	99-87-6	29.3	34.6	ug/kg dry	
1,4-Dichlorobenzene	106-46-7	29.3	<29.3	ug/kg dry	3.B
1,2-Dichlorobenzene	95-50-1	29.3	<29.3	ug/kg dry	3.B



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Client: Laurel Environmental	Client ID: 11-257 67 Brighton 1st Ln Brooklyn
Date (Time) Collected: 07/08/2011 08:30	Sample ID: SB-1/SB-3
Date (Time) Received: 07/11/2011 15:04	Laboratory ID: 1071113-08
Matrix: Soil	ELAP: #11693

Volatile Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
1,4-Diethylbenzene	105-05-5	29.3	<29.3	ug/kg dry	2.B, 3.B
n-Butylbenzene	104-51-8	29.3	<29.3	ug/kg dry	3.B
1,2-Dibromo-3-chloropropane	96-12-8	29.3	<29.3	ug/kg dry	3.B
1,2,4,5-Tetramethylbenzene	95-93-2	29.3	917	ug/kg dry	2.B
1,2,4-Trichlorobenzene	120-82-1	29.3	<29.3	ug/kg dry	3.B
Naphthalene	91-20-3	29.3	<29.3	ug/kg dry	3.B
Hexachlorobutadiene	87-68-3	29.3	<29.3	ug/kg dry	3.B
Acrylonitrile	107-13-1	29.3	<29.3	ug/kg dry	3.B
1,4-Dioxane	123-91-1	29.3	<29.3	ug/kg dry	3.B
Acrolein	107-02-8	29.3	<29.3	ug/kg dry	3.B

Date Extracted: 07/12/2011

Preparation Method: EPA 5030C Modified

Date Analyzed: 07/12/2011

Analytical Method: EPA 8260B



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Client: Laurel Environmental	Client ID: 11-257 67 Brighton 1st Ln Brooklyn
Date (Time) Collected: 07/08/2011 08:30	Sample ID: SB-1/SB-3
Date (Time) Received: 07/11/2011 15:04	Laboratory ID: 1071113-08
Matrix: Soil	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
Pyridine	110-86-1	46.8	<46.8	ug/kg dry	
N-Nitrosodimethylamine	62-75-9	46.8	<46.8	ug/kg dry	
Phenol	108-95-2	46.8	<46.8	ug/kg dry	
Aniline	62-53-3	46.8	<46.8	ug/kg dry	
2-Chlorophenol	95-57-8	46.8	<46.8	ug/kg dry	
Bis(2-Chloroethyl)ether	111-44-4	46.8	<46.8	ug/kg dry	
1,3-Dichlorobenzene	541-73-1	46.8	<46.8	ug/kg dry	
1,4-Dichlorobenzene	106-46-7	46.8	<46.8	ug/kg dry	
Benzyl alcohol	100-51-6	46.8	<46.8	ug/kg dry	
1,2-Dichlorobenzene	95-50-1	46.8	<46.8	ug/kg dry	
2-Methylphenol	95-48-7	46.8	<46.8	ug/kg dry	
Bis(2-chloroisopropyl)ether	39638-32-9	46.8	<46.8	ug/kg dry	
Hexachloroethane	67-72-1	46.8	<46.8	ug/kg dry	
3/4-Methylphenol	108-39-4/106-44-5	46.8	<46.8	ug/kg dry	
N-Nitroso-di-n-propylamine	621-64-7	46.8	<46.8	ug/kg dry	
Nitrobenzene	98-95-3	46.8	<46.8	ug/kg dry	
Isophorone	78-59-1	46.8	<46.8	ug/kg dry	
2-Nitrophenol	88-75-5	46.8	<46.8	ug/kg dry	
2,4-Dimethylphenol	105-67-9	46.8	<46.8	ug/kg dry	
Benzoic Acid	65-85-0	46.8	<46.8	ug/kg dry	
bis(2-Chloroethoxy)methane	111-91-1	46.8	<46.8	ug/kg dry	
2,4-Dichlorophenol	120-83-2	46.8	<46.8	ug/kg dry	
1,2,4-Trichlorobenzene	120-82-1	46.8	<46.8	ug/kg dry	
Naphthalene	91-20-3	46.8	<46.8	ug/kg dry	
4-Chloroaniline	106-47-8	46.8	<46.8	ug/kg dry	
Hexachlorobutadiene	87-68-3	46.8	<46.8	ug/kg dry	
4-Chloro-3-methylphenol	59-50-7	46.8	<46.8	ug/kg dry	
2-Methylnaphthalene	91-57-6	46.8	<46.8	ug/kg dry	
Hexachlorocyclopentadiene	77-47-4	46.8	<46.8	ug/kg dry	
2,4,6-Trichlorophenol	88-06-2	46.8	<46.8	ug/kg dry	
2,4,5-Trichlorophenol	95-95-4	46.8	<46.8	ug/kg dry	
2-Chloronaphthalene	91-58-7	46.8	<46.8	ug/kg dry	



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Date (Time) Collected: 07/08/2011 08:30	Sample ID: SB-1/SB-3
Date (Time) Received: 07/11/2011 15:04	Laboratory ID: 1071113-08
Matrix: Soil	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
2-Nitroaniline	88-74-4	46.8	<46.8	ug/kg dry	
Dimethyl phthalate	131-11-3	46.8	<46.8	ug/kg dry	
Acenaphthylene	208-96-8	46.8	<46.8	ug/kg dry	
2,6-Dinitrotoluene	606-20-2	46.8	<46.8	ug/kg dry	
3-Nitroaniline	99-09-2	46.8	<46.8	ug/kg dry	
Acenaphthene	83-32-9	46.8	<46.8	ug/kg dry	
2,4-Dinitrophenol	51-28-5	46.8	<46.8	ug/kg dry	
Dibenzofuran	132-64-9	46.8	<46.8	ug/kg dry	
4-Nitrophenol	100-02-7	46.8	<46.8	ug/kg dry	
2,4-Dinitrotoluene	121-14-2	46.8	<46.8	ug/kg dry	
Fluorene	86-73-7	46.8	<46.8	ug/kg dry	
Diethyl phthalate	84-66-2	46.8	<46.8	ug/kg dry	
4-Chlorophenyl phenyl ether	7005-72-3	46.8	<46.8	ug/kg dry	
4-Nitroaniline	100-01-6	46.8	<46.8	ug/kg dry	
4,6-Dinitro-2-methylphenol	534-52-1	46.8	<46.8	ug/kg dry	
N-Nitrosodiphenylamine	86-30-6	46.8	<46.8	ug/kg dry	
Azobenzene	103-33-3	46.8	<46.8	ug/kg dry	
4-Bromophenyl phenyl ether	101-55-3	46.8	<46.8	ug/kg dry	
Hexachlorobenzene	118-74-1	46.8	<46.8	ug/kg dry	
Pentachlorophenol	87-86-5	46.8	<46.8	ug/kg dry	
Phenanthrene	85-01-8	46.8	184	ug/kg dry	
Anthracene	120-12-7	46.8	<46.8	ug/kg dry	
Carbazole	86-74-8	46.8	<46.8	ug/kg dry	
Di-n-butyl phthalate	84-74-2	46.8	<46.8	ug/kg dry	
Fluoranthene	206-44-0	46.8	152	ug/kg dry	4.B
Pyrene	129-00-0	46.8	411	ug/kg dry	
Benzidine	92-87-5	46.8	<46.8	ug/kg dry	4.G
Butyl benzyl phthalate	85-68-7	46.8	<46.8	ug/kg dry	
Benzo(a)anthracene	56-55-3	46.8	46.8	ug/kg dry	
Chrysene	218-01-9	46.8	82.7	ug/kg dry	4.B
3,3'-Dichlorobenzidine	91-94-1	46.8	<46.8	ug/kg dry	4.K



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Client: Laurel Environmental	Client ID: 11-257 67 Brighton 1st Ln Brooklyn
Date (Time) Collected: 07/08/2011 08:30	Sample ID: SB-1/SB-3
Date (Time) Received: 07/11/2011 15:04	Laboratory ID: 1071113-08
Matrix: Soil	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
Bis(2-Ethylhexyl)phthalate	117-81-7	46.8	<46.8	ug/kg dry	
Di-n-octyl phthalate	117-84-0	46.8	<46.8	ug/kg dry	
Benzo(b)fluoranthene	205-99-2	46.8	62.4	ug/kg dry	4.B
Benzo(k)fluoranthene	207-08-9	46.8	<46.8	ug/kg dry	
Benzo(a)pyrene	50-32-8	46.8	49.2	ug/kg dry	4.B
Indeno(1,2,3-cd)pyrene	193-39-5	46.8	<46.8	ug/kg dry	
Dibenzo(a,h)anthracene	53-70-3	46.8	<46.8	ug/kg dry	
Benzo(g,h,i)perylene	191-24-2	46.8	71.8	ug/kg dry	4.B

Date Extracted: 07/11/2011

Preparation Method: EPA 3545

Date Analyzed: 07/13/2011

Analytical Method: EPA 8270C



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Client: Laurel Environmental	Client ID: 11-257 67 Brighton 1st Ln Brooklyn
Date (Time) Collected: 07/08/2011 08:30	Sample ID: SB-1/SB-3
Date (Time) Received: 07/11/2011 15:04	Laboratory ID: 1071113-08
Matrix: Soil	ELAP: #11693

PCB/Aroclor Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
Aroclor-1016	12674-11-2	23.4	<23.4	ug/kg dry	
Aroclor-1260	11096-82-5	23.4	<23.4	ug/kg dry	
Aroclor 1221	11104-28-2	23.4	<23.4	ug/kg dry	
Aroclor 1232	11141-16-5	23.4	<23.4	ug/kg dry	
Aroclor 1242	53469-21-9	23.4	<23.4	ug/kg dry	
Aroclor 1248	12672-29-6	23.4	<23.4	ug/kg dry	
Aroclor 1254	11097-69-1	23.4	<23.4	ug/kg dry	

Date Extracted: 07/12/2011

Preparation Method: EPA 3545

Date Analyzed: 07/15/2011

Analytical Method: EPA 8082



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Date (Time) Collected: 07/08/2011 08:30	Sample ID: SB-1/SB-3
Date (Time) Received: 07/11/2011 15:04	Laboratory ID: 1071113-08
Matrix: Soil	ELAP: #11693

Total Metals Analysis

Parameter	Date Analyzed	Method	MRL	Result	Units	Flag
Aluminum	07/12/2011	EPA 6010B	18.6	1370	mg/kg dry	4.F
Antimony	07/12/2011	EPA 6010B	1.86	<1.86	mg/kg dry	
Arsenic	07/12/2011	EPA 6010B	1.86	<1.86	mg/kg dry	
Barium	07/12/2011	EPA 6010B	3.75	9.16	mg/kg dry	4.F
Beryllium	07/12/2011	EPA 6010B	1.86	<1.86	mg/kg dry	
Cadmium	07/12/2011	EPA 6010B	1.13	<1.13	mg/kg dry	
Calcium	07/12/2011	EPA 6010B	9.29	305	mg/kg dry	4.F
Chromium	07/12/2011	EPA 6010B	1.86	3.45	mg/kg dry	
Cobalt	07/12/2011	EPA 6010B	1.86	<1.86	mg/kg dry	
Copper	07/12/2011	EPA 6010B	1.86	3.51	mg/kg dry	4.F
Iron	07/12/2011	EPA 6010B	37.2	2550	mg/kg dry	4.F
Lead	07/12/2011	EPA 6010B	1.86	9.78	mg/kg dry	4.F
Magnesium	07/12/2011	EPA 6010B	1.86	436	mg/kg dry	
Manganese	07/12/2011	EPA 6010B	9.29	33.8	mg/kg dry	4.F
Nickel	07/12/2011	EPA 6010B	1.86	3.06	mg/kg dry	
Potassium	07/12/2011	EPA 6010B	1.86	184	mg/kg dry	4.H
Selenium	07/12/2011	EPA 6010B	1.86	<1.86	mg/kg dry	
Silver	07/12/2011	EPA 6010B	1.86	<1.86	mg/kg dry	
Sodium	07/12/2011	EPA 6010B	9.29	33.5	mg/kg dry	4.F
Thallium	07/12/2011	EPA 6010B	1.86	<1.86	mg/kg dry	
Vanadium	07/12/2011	EPA 6010B	1.86	4.17	mg/kg dry	
Zinc	07/12/2011	EPA 6010B	1.86	14.4	mg/kg dry	4.F

Date Extracted: 07/12/2011

Preparation Method: EPA 3050B

Date Analyzed: 07/12/2011

Analytical Method: EPA 6010B

Mercury	07/13/2011	EPA 7471A	0.02	0.05	mg/kg dry	
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Date Extracted: 07/12/2011

Preparation Method: EPA 7471A

Date Analyzed: 07/13/2011

Analytical Method: EPA 7471A



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Client: Laurel Environmental	Client ID: 11-257 67 Brighton 1st Ln Brooklyn
Date (Time) Collected: 07/08/2011 13:30	Sample ID: Soil Field Blank
Date (Time) Received: 07/11/2011 15:04	Laboratory ID: 1071113-09
Matrix: Non-Potable Water	ELAP: #11693

Volatile Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
Bromomethane	74-83-9	5.00	<5.00	ug/L	
Chloroethane	75-00-3	5.00	<5.00	ug/L	
Chloromethane	74-87-3	5.00	<5.00	ug/L	
Dichlorodifluoromethane	75-71-8	5.00	<5.00	ug/L	
Vinyl chloride	75-01-4	5.00	<5.00	ug/L	
Trichlorofluoromethane	75-69-4	5.00	<5.00	ug/L	
Acetone	67-64-1	20.0	<20.0	ug/L	4.E
1,1-Dichloroethylene	75-35-4	5.00	<5.00	ug/L	
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	5.00	<5.00	ug/L	
Methylene Chloride	75-09-2	5.00	<5.00	ug/L	
Carbon disulfide	75-15-0	5.00	<5.00	ug/L	
Methyl-tert-Butyl Ether	1634-04-4	5.00	<5.00	ug/L	
trans-1,2-Dichloroethylene	156-60-5	5.00	<5.00	ug/L	
1,1-Dichloroethane	75-34-3	5.00	<5.00	ug/L	
Vinyl acetate	108-05-4	5.00	<5.00	ug/L	
Methyl Ethyl Ketone (2-Butanone)	78-93-3	10.0	<10.0	ug/L	4.E
cis-1,2-Dichloroethylene	156-59-2	5.00	<5.00	ug/L	
2,2-Dichloropropane	590-20-7	5.00	<5.00	ug/L	
Bromochloromethane	74-97-5	5.00	<5.00	ug/L	
Chloroform	67-66-3	5.00	<5.00	ug/L	
1,1,1-Trichloroethane	71-55-6	5.00	<5.00	ug/L	
1,2-Dichloroethane	107-06-2	5.00	<5.00	ug/L	
1,1-Dichloropropylene	563-58-6	5.00	<5.00	ug/L	
Carbon Tetrachloride	56-23-5	5.00	<5.00	ug/L	
Benzene	71-43-2	0.700	<0.700	ug/L	
Trichloroethylene	79-01-6	5.00	<5.00	ug/L	
1,2-Dichloropropane	78-87-5	5.00	<5.00	ug/L	
Dibromomethane	74-95-3	5.00	<5.00	ug/L	
Bromodichloromethane	75-27-4	5.00	<5.00	ug/L	
2-Chloroethyl Vinyl Ether	110-75-8	5.00	<5.00	ug/L	
Methyl Isobutyl Ketone	108-10-1	10.0	<10.0	ug/L	
cis-1,3-Dichloropropylene	10061-01-5	5.00	<5.00	ug/L	



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Date (Time) Collected: 07/08/2011 13:30	Sample ID: Soil Field Blank
Date (Time) Received: 07/11/2011 15:04	Laboratory ID: 1071113-09
Matrix: Non-Potable Water	ELAP: #11693

Volatile Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
Toluene	108-88-3	5.00	<5.00	ug/L	
trans-1,3-Dichloropropylene	10061-02-6	5.00	<5.00	ug/L	
1,1,2-Trichloroethane	79-00-5	5.00	<5.00	ug/L	
Methyl Butyl Ketone (2-Hexanone)	591-78-6	5.00	<5.00	ug/L	
1,3-Dichloropropane	142-28-9	5.00	<5.00	ug/L	
Dibromochloromethane	124-48-1	5.00	<5.00	ug/L	
Tetrachloroethylene	127-18-4	5.00	<5.00	ug/L	
1,2-Dibromoethane	106-93-4	5.00	<5.00	ug/L	
Chlorobenzene	108-90-7	5.00	<5.00	ug/L	
1,1,1,2-Tetrachloroethane	630-20-6	5.00	<5.00	ug/L	
Ethylbenzene	100-41-4	5.00	<5.00	ug/L	
m,p-Xylenes	108-38-3/106-42-3	10.0	<10.0	ug/L	
Styrene	100-42-5	5.00	<5.00	ug/L	
o-Xylene	95-47-6	5.00	<5.00	ug/L	
Bromoform	75-25-2	5.00	<5.00	ug/L	
1,1,2,2-Tetrachloroethane	79-34-5	5.00	<5.00	ug/L	
Isopropylbenzene (Cumene)	98-82-8	5.00	<5.00	ug/L	
1,2,3-Trichloropropane	96-18-4	5.00	<5.00	ug/L	
Bromobenzene	108-86-1	5.00	<5.00	ug/L	
n-Propylbenzene	103-65-1	5.00	<5.00	ug/L	
2-Chlorotoluene	95-49-8	5.00	<5.00	ug/L	
4-Chlorotoluene	106-43-4	5.00	<5.00	ug/L	
1,3,5-Trimethylbenzene	108-67-8	5.00	<5.00	ug/L	
tert-Butylbenzene	98-06-6	5.00	<5.00	ug/L	
1,2,4-Trimethylbenzene	95-63-6	5.00	<5.00	ug/L	
sec-Butylbenzene	135-98-8	5.00	<5.00	ug/L	
1,3-Dichlorobenzene	541-73-1	5.00	<5.00	ug/L	
4-Isopropyltoluene	99-87-6	5.00	<5.00	ug/L	
1,4-Dichlorobenzene	106-46-7	5.00	<5.00	ug/L	
1,2-Dichlorobenzene	95-50-1	5.00	<5.00	ug/L	
n-Butylbenzene	104-51-8	5.00	<5.00	ug/L	



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Phone (631) 472-3400 • Fax (631) 472-8505 • Email: LIAL@lialinc.com

Client: Laurel Environmental	Client ID: 11-257 67 Brighton 1st Ln Brooklyn
Date (Time) Collected: 07/08/2011 13:30	Sample ID: Soil Field Blank
Date (Time) Received: 07/11/2011 15:04	Laboratory ID: 1071113-09
Matrix: Non-Potable Water	ELAP: #11693

Volatile Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
1,2-Dibromo-3-chloropropane	96-12-8	5.00	<5.00	ug/L	
1,2,4-Trichlorobenzene	120-82-1	5.00	<5.00	ug/L	
Naphthalene	91-20-3	5.00	<5.00	ug/L	
Hexachlorobutadiene	87-68-3	5.00	<5.00	ug/L	
1,2,3-Trichlorobenzene	87-61-6	5.00	<5.00	ug/L	
Acrylonitrile	107-13-1	5.00	<5.00	ug/L	
1,4-Dioxane	123-91-1	5.00	<5.00	ug/L	
Acrolein	107-02-8	5.00	<5.00	ug/L	

Date Extracted: 07/11/2011

Preparation Method: EPA 5030B

Date Analyzed: 07/11/2011

Analytical Method: EPA 8260B



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Date (Time) Collected: 07/08/2011 13:30	Sample ID: Soil Field Blank
Date (Time) Received: 07/11/2011 15:04	Laboratory ID: 1071113-09
Matrix: Non-Potable Water	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
Pyridine	110-86-1	5.00	<5.00	ug/L	
N-Nitrosodimethylamine	62-75-9	5.00	<5.00	ug/L	
Phenol	108-95-2	5.00	<5.00	ug/L	
Aniline	62-53-3	5.00	<5.00	ug/L	
2-Chlorophenol	95-57-8	5.00	<5.00	ug/L	
Bis(2-Chloroethyl)ether	111-44-4	5.00	<5.00	ug/L	
1,3-Dichlorobenzene	541-73-1	5.00	<5.00	ug/L	
1,4-Dichlorobenzene	106-46-7	5.00	<5.00	ug/L	
Benzyl alcohol	100-51-6	5.00	6.28	ug/L	4.B
1,2-Dichlorobenzene	95-50-1	5.00	<5.00	ug/L	
2-Methylphenol	95-48-7	5.00	<5.00	ug/L	
Bis(2-chloroisopropyl)ether	39638-32-9	5.00	<5.00	ug/L	
Hexachloroethane	67-72-1	5.00	<5.00	ug/L	
3/4-Methylphenol	108-39-4/106-44-5	5.00	<5.00	ug/L	
N-Nitroso-di-n-propylamine	621-64-7	5.00	<5.00	ug/L	
Nitrobenzene	98-95-3	5.00	<5.00	ug/L	
Isophorone	78-59-1	5.00	<5.00	ug/L	
2-Nitrophenol	88-75-5	5.00	<5.00	ug/L	
2,4-Dimethylphenol	105-67-9	5.00	<5.00	ug/L	
Benzoic Acid	65-85-0	5.00	<5.00	ug/L	
bis(2-Chloroethoxy)methane	111-91-1	5.00	<5.00	ug/L	
2,4-Dichlorophenol	120-83-2	5.00	<5.00	ug/L	
1,2,4-Trichlorobenzene	120-82-1	5.00	<5.00	ug/L	
Naphthalene	91-20-3	5.00	<5.00	ug/L	
4-Chloroaniline	106-47-8	5.00	<5.00	ug/L	
Hexachlorobutadiene	87-68-3	5.00	<5.00	ug/L	
4-Chloro-3-methylphenol	59-50-7	5.00	<5.00	ug/L	
2-Methylnaphthalene	91-57-6	5.00	<5.00	ug/L	
Hexachlorocyclopentadiene	77-47-4	5.00	<5.00	ug/L	
2,4,6-Trichlorophenol	88-06-2	5.00	<5.00	ug/L	
2,4,5-Trichlorophenol	95-95-4	5.00	<5.00	ug/L	
2-Chloronaphthalene	91-58-7	5.00	<5.00	ug/L	



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Date (Time) Received: 07/11/2011 15:04	Laboratory ID: 1071113-09
Matrix: Non-Potable Water	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
2-Nitroaniline	88-74-4	5.00	<5.00	ug/L	
Dimethyl phthalate	131-11-3	5.00	<5.00	ug/L	
Acenaphthylene	208-96-8	5.00	<5.00	ug/L	
2,6-Dinitrotoluene	606-20-2	5.00	<5.00	ug/L	
3-Nitroaniline	99-09-2	5.00	<5.00	ug/L	
Acenaphthene	83-32-9	5.00	<5.00	ug/L	
2,4-Dinitrophenol	51-28-5	5.00	<5.00	ug/L	
Dibenzofuran	132-64-9	5.00	<5.00	ug/L	
4-Nitrophenol	100-02-7	5.00	<5.00	ug/L	
2,4-Dinitrotoluene	121-14-2	5.00	<5.00	ug/L	
Fluorene	86-73-7	5.00	<5.00	ug/L	
Diethyl phthalate	84-66-2	5.00	<5.00	ug/L	
4-Chlorophenyl phenyl ether	7005-72-3	5.00	<5.00	ug/L	
4-Nitroaniline	100-01-6	5.00	<5.00	ug/L	
4,6-Dinitro-2-methylphenol	534-52-1	5.00	<5.00	ug/L	
N-Nitrosodiphenylamine	86-30-6	5.00	<5.00	ug/L	
Azobenzene	103-33-3	5.00	<5.00	ug/L	
4-Bromophenyl phenyl ether	101-55-3	5.00	<5.00	ug/L	
Hexachlorobenzene	118-74-1	5.00	<5.00	ug/L	
Pentachlorophenol	87-86-5	5.00	<5.00	ug/L	
Phenanthrene	85-01-8	5.00	<5.00	ug/L	
Anthracene	120-12-7	5.00	<5.00	ug/L	
Carbazole	86-74-8	5.00	<5.00	ug/L	
Di-n-butyl phthalate	84-74-2	5.00	<5.00	ug/L	
Fluoranthene	206-44-0	5.00	<5.00	ug/L	
Pyrene	129-00-0	5.00	<5.00	ug/L	
Benzidine	92-87-5	5.00	<5.00	ug/L	
Butyl benzyl phthalate	85-68-7	5.00	<5.00	ug/L	
Benzo(a)anthracene	56-55-3	5.00	<5.00	ug/L	
Chrysene	218-01-9	5.00	<5.00	ug/L	
3,3'-Dichlorobenzidine	91-94-1	5.00	<5.00	ug/L	



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Date (Time) Collected: 07/08/2011 13:30	Sample ID: Soil Field Blank
Date (Time) Received: 07/11/2011 15:04	Laboratory ID: 1071113-09
Matrix: Non-Potable Water	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
Bis(2-Ethylhexyl)phthalate	117-81-7	5.00	<5.00	ug/L	
Di-n-octyl phthalate	117-84-0	5.00	<5.00	ug/L	
Benzo(b)fluoranthene	205-99-2	5.00	<5.00	ug/L	
Benzo(k)fluoranthene	207-08-9	5.00	<5.00	ug/L	
Benzo(a)pyrene	50-32-8	5.00	<5.00	ug/L	
Indeno(1,2,3-cd)pyrene	193-39-5	5.00	<5.00	ug/L	
Dibenzo(a,h)anthracene	53-70-3	5.00	<5.00	ug/L	
Benzo(g,h,i)perylene	191-24-2	5.00	<5.00	ug/L	

Date Extracted: 07/12/2011

Preparation Method: EPA 3510C

Date Analyzed: 07/13/2011

Analytical Method: EPA 8270C



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Client: Laurel Environmental	Client ID: 11-257 67 Brighton 1st Ln Brooklyn
Date (Time) Collected: 07/08/2011 13:30	Sample ID: Soil Field Blank
Date (Time) Received: 07/11/2011 15:04	Laboratory ID: 1071113-09
Matrix: Non-Potable Water	ELAP: #11693

PCB/Aroclor Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
Aroclor-1016	12674-11-2	20.0	<20.0	ug/L	
Aroclor-1260	11096-82-5	20.0	<20.0	ug/L	
Aroclor 1221	11104-28-2	20.0	<20.0	ug/L	
Aroclor 1232	11141-16-5	20.0	<20.0	ug/L	
Aroclor 1242	53469-21-9	20.0	<20.0	ug/L	
Aroclor 1248	12672-29-6	20.0	<20.0	ug/L	
Aroclor 1254	11097-69-1	20.0	<20.0	ug/L	

Date Extracted: 07/15/2011

Preparation Method: EPA 3510C

Date Analyzed: 07/18/2011

Analytical Method: EPA 8082



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Client: Laurel Environmental	Client ID: 11-257 67 Brighton 1st Ln Brooklyn
Date (Time) Collected: 07/08/2011 13:30	Sample ID: Soil Field Blank
Date (Time) Received: 07/11/2011 15:04	Laboratory ID: 1071113-09
Matrix: Non-Potable Water	ELAP: #11693

Total Metals Analysis

Parameter	Date Analyzed	Method	MRL	Result	Units	Flag
Aluminum	07/12/2011	EPA 200.7 Rev. 4.4	0.05	<0.05	mg/L	
Calcium	07/12/2011	EPA 200.7 Rev. 4.4	0.50	<0.50	mg/L	
Antimony	07/12/2011	EPA 200.7 Rev. 4.4	0.05	<0.05	mg/L	
Arsenic	07/12/2011	EPA 200.7 Rev. 4.4	0.05	<0.05	mg/L	
Barium	07/12/2011	EPA 200.7 Rev. 4.4	1.00	<1.00	mg/L	
Beryllium	07/12/2011	EPA 200.7 Rev. 4.4	0.05	<0.05	mg/L	
Cadmium	07/12/2011	EPA 200.7 Rev. 4.4	0.05	<0.05	mg/L	
Chromium	07/12/2011	EPA 200.7 Rev. 4.4	0.05	<0.05	mg/L	
Cobalt	07/12/2011	EPA 200.7 Rev. 4.4	0.05	<0.05	mg/L	
Copper	07/12/2011	EPA 200.7 Rev. 4.4	0.05	<0.05	mg/L	
Iron	07/12/2011	EPA 200.7 Rev. 4.4	0.10	0.10	mg/L	
Lead	07/12/2011	EPA 200.7 Rev. 4.4	0.005	<0.005	mg/L	
Magnesium	07/12/2011	EPA 200.7 Rev. 4.4	0.10	<0.10	mg/L	
Manganese	07/12/2011	EPA 200.7 Rev. 4.4	0.05	<0.05	mg/L	
Nickel	07/12/2011	EPA 200.7 Rev. 4.4	0.05	<0.05	mg/L	
Potassium	07/12/2011	EPA 200.7 Rev. 4.4	0.10	<0.10	mg/L	
Selenium	07/12/2011	EPA 200.7 Rev. 4.4	0.05	<0.05	mg/L	
Silver	07/12/2011	EPA 200.7 Rev. 4.4	0.05	<0.05	mg/L	
Sodium	07/12/2011	EPA 200.7 Rev. 4.4	0.10	0.11	mg/L	4.G
Thallium	07/12/2011	EPA 200.7 Rev. 4.4	0.50	<0.50	mg/L	
Vanadium	07/12/2011	EPA 200.7 Rev. 4.4	0.05	<0.05	mg/L	
Zinc	07/12/2011	EPA 200.7 Rev. 4.4	0.05	<0.05	mg/L	

Date Extracted: 07/12/2011

Preparation Method: EPA 200.2

Date Analyzed: 07/12/2011

Analytical Method: EPA 200.7 Rev. 4.4

Mercury	07/13/2011	EPA 245.1 Rev. 3.0	0.002	<0.002	mg/L	
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Date Extracted: 07/12/2011

Preparation Method: EPA 245.1

Date Analyzed: 07/13/2011

Analytical Method: EPA 245.1 Rev. 3.0



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Data Qualifiers Key Reference:

- 2.B Parameter not certifiable by NELAP
- 3.A Minimum detection limit raised due to matrix interference.
- 3.B Minimum detection limit raised due to target compound interference.
- 4.B Data reported below the lower limit of quantitation and should be considered to have an increased quantitative uncertainty.
- 4.C Target compound found in blank
- 4.E QC does not meet acceptance criteria
- 4.F Spike recovery does not meet QC criteria due to high target compound concentration
- 4.G Spike recovery out of range due to matrix interference
- 4.H Spike recovery out of range due to matrix inconsistency
- 4.K Continuing Calibration Verification (CCV) quality control levels high
- 4.L Surrogate recovery is outside the acceptance criteria
- MRL Minimum Reporting Limit



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CHAIN OF CUSTODY / REQUEST FOR ANALYSIS DOCUMENT

CLIENT NAME/ADDRESS: **Laurel 1**
53 West Hills Road
Huntington NY
Station

CONTACT: **Scott**
 PHONE: **673 0612**
 FAX:

SAMPLER (SIGNATURE): *[Signature]*
 DATE: **7-8-11** TIME: **1730**
 SAMPLER NAME (PRINT): **Wala Canano**
 DATE: **7-8-11** TIME: **1730**

SAMPLE(S) SEALED: **(YES/NO)**
 CORRECT CONTAINER(S): **(YES/NO)**

1071113

PROJECT LOCATION: **67 Brighton 1st Lane, Brooklyn, NY (11-257)**

SAMPLES RECEIVED AT: **4.0 °C**

TERMS & CONDITIONS: Accounts are payable in full within thirty days, outstanding balances accrue service charges of 1.5% per month. Lending of samples to LIAL for analytical testing constitutes agreement by buyer/sampler to LIAL's Standard terms

LABORATORY ID #	MATRIX	TYPE	PH	RES. CHLORINE	PRES.	DATE	TIME	SAMPLE #	LOCATION	ANALYSIS REQUIRED	# OF CONTAINERS
1. 1113-01	S	G				7-8-11	0830	5B-1 (0-2')		6010C TAL 8260C VOCs 8270D SVOCs 8082A PCBs Field Blank Duplicate	3
2. 02								5B-2 (0-2')			
3. 03								5B-3 (0-2')			
4. 04								Dup (0-2')			
5. 05								5B-1 (6-8')			
6. 06								5B-2 (6-8')			
7. 07								5B-3 (8-10')			
8. 08	S	C					1300	5B-1/5B-3			3
9. 09	ww	C					1330	Soil Field Blank			4
10.											
11.											
12.											
13.											
14.											

MATRIX: S=SOIL; SL=SLUDGE; DW=DRINKING WATER; A=AIR; W=WPE;
 PC=PAINT CHIPS; BM=BULK MATERIAL; O=OIL; WW=WASTE WATER
 TYPE: G=GRAB; C=COMPOSITE; SS=SPLIT SPOON
 PRES: (1) ICE; (2) HCL; (3) H₂SO₄; (4) NaOH; (5) Na₂S₂O₃; (6) HNO₃; (7) OTHER

RELINQUISHED BY (SIGNATURE): *[Signature]*
 DATE: **7-11-11** TIME: **0933**
 PRINTED NAME: **Tom Johnson**

RELINQUISHED BY (SIGNATURE): *[Signature]*
 DATE: **7-11-11** TIME: **1508**
 PRINTED NAME: **Chris Ortiz**

RECEIVED BY (SIGNATURE): *[Signature]*
 DATE: **7-11-11** TIME: **350pm**
 PRINTED NAME: **Ben Anderson**

TURNAROUND REQUIRED: NORMAL STAT
 COMMENTS / INSTRUCTIONS: **SVOS Analysis is 8270 PAHs**



LIAL# 1071414

July 19, 2011

Page 1 of 7

Laurel Environmental
Brendan Moran
53 West Hills Road
Huntington Station NY, 11746

Re: 67 Brighton 1 Lane

Dear Brendan Moran,

Enclosed please find the Laboratory Analysis Report(s) for sample(s) received on July 14, 2011. Long Island Analytical Laboratories analyzed the samples on July 18, 2011 for the following:

CLIENT ID	ANALYSIS
SB-3A 6-8'	EPA 8082, EPA 8260B, EPA 8270 PAH, RCRA 23

Samples received at 2.7 ° C

If you have any questions or require further information, please call at your convenience. Long Island Analytical Laboratories Inc. is a NELAP accredited laboratory. All reported results meet the requirements of the NELAP standards unless noted. Report shall not be reproduced except in full without the written approval of the laboratory. Results related only to items tested. Long Island Analytical Laboratories would like to thank you for the opportunity to be of service to you.

Best Regards,

Long Island Analytical Laboratories, Inc.

Michael Veraldi - Laboratory Director

Client: Laurel Environmental	Client ID: 67 Brighton 1 Lane
Date (Time) Collected: 07/14/2011 14:00	Sample ID: SB-3A 6-8'
Date (Time) Received: 07/14/2011 17:44	Laboratory ID: 1071414-01
Matrix: Soil	ELAP: #11693

Volatile Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
Bromomethane	74-83-9	5.63	<5.63	ug/kg dry	
Chloroethane	75-00-3	5.63	<5.63	ug/kg dry	
Chloromethane	74-87-3	5.63	<5.63	ug/kg dry	
Dichlorodifluoromethane	75-71-8	5.63	<5.63	ug/kg dry	
Vinyl chloride	75-01-4	5.63	<5.63	ug/kg dry	
Trichlorofluoromethane	75-69-4	5.63	<5.63	ug/kg dry	
Acetone	67-64-1	56.3	<56.3	ug/kg dry	
1,1-Dichloroethylene	75-35-4	5.63	<5.63	ug/kg dry	
Methylene Chloride	75-09-2	5.63	<5.63	ug/kg dry	
Carbon disulfide	75-15-0	5.63	<5.63	ug/kg dry	
Methyl-tert-Butyl Ether	1634-04-4	5.63	<5.63	ug/kg dry	
trans-1,2-Dichloroethylene	156-60-5	5.63	<5.63	ug/kg dry	
1,1-Dichloroethane	75-34-3	5.63	<5.63	ug/kg dry	
Vinyl acetate	108-05-4	5.63	<5.63	ug/kg dry	
Methyl Ethyl Ketone (2-Butanone)	78-93-3	11.3	<11.3	ug/kg dry	
cis-1,2-Dichloroethylene	156-59-2	5.63	<5.63	ug/kg dry	
2,2-Dichloropropane	590-20-7	5.63	<5.63	ug/kg dry	
Bromochloromethane	74-97-5	5.63	<5.63	ug/kg dry	
Chloroform	67-66-3	5.63	<5.63	ug/kg dry	
1,1,1-Trichloroethane	71-55-6	5.63	<5.63	ug/kg dry	
1,2-Dichloroethane	107-06-2	5.63	<5.63	ug/kg dry	
1,1-Dichloropropylene	563-58-6	5.63	<5.63	ug/kg dry	
Carbon Tetrachloride	56-23-5	5.63	<5.63	ug/kg dry	
Benzene	71-43-2	5.63	<5.63	ug/kg dry	
Trichloroethylene	79-01-6	5.63	<5.63	ug/kg dry	
1,2-Dichloropropane	78-87-5	5.63	<5.63	ug/kg dry	
Dibromomethane	74-95-3	5.63	<5.63	ug/kg dry	
Bromodichloromethane	75-27-4	5.63	<5.63	ug/kg dry	
2-Chloroethyl Vinyl Ether	110-75-8	5.63	<5.63	ug/kg dry	
Methyl Isobutyl Ketone	108-10-1	11.3	<11.3	ug/kg dry	
cis-1,3-Dichloropropylene	10061-01-5	5.63	<5.63	ug/kg dry	
Toluene	108-88-3	5.63	<5.63	ug/kg dry	



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Phone (631) 472-3400 • Fax (631) 472-8505 • Email: LIAL@lialinc.com

Client: Laurel Environmental	Client ID: 67 Brighton 1 Lane
Date (Time) Collected: 07/14/2011 14:00	Sample ID: SB-3A 6-8'
Date (Time) Received: 07/14/2011 17:44	Laboratory ID: 1071414-01
Matrix: Soil	ELAP: #11693

Volatile Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
trans-1,3-Dichloropropylene	10061-02-6	5.63	<5.63	ug/kg dry	
1,1,2-Trichloroethane	79-00-5	5.63	<5.63	ug/kg dry	
Methyl Butyl Ketone (2-Hexanone)	591-78-6	5.63	<5.63	ug/kg dry	
1,3-Dichloropropane	142-28-9	5.63	<5.63	ug/kg dry	
Dibromochloromethane	124-48-1	5.63	<5.63	ug/kg dry	
Tetrachloroethylene	127-18-4	5.63	<5.63	ug/kg dry	
1,2-Dibromoethane	106-93-4	5.63	<5.63	ug/kg dry	
Chlorobenzene	108-90-7	5.63	<5.63	ug/kg dry	
1,1,1,2-Tetrachloroethane	630-20-6	5.63	<5.63	ug/kg dry	
Ethylbenzene	100-41-4	5.63	<5.63	ug/kg dry	
m,p-Xylenes	108-38-3/106-42-3	11.3	<11.3	ug/kg dry	
Styrene	100-42-5	5.63	<5.63	ug/kg dry	
o-Xylene	95-47-6	5.63	<5.63	ug/kg dry	
Bromoform	75-25-2	5.63	<5.63	ug/kg dry	
1,1,2,2-Tetrachloroethane	79-34-5	5.63	<5.63	ug/kg dry	
Isopropylbenzene (Cumene)	98-82-8	5.63	<5.63	ug/kg dry	
1,2,3-Trichloropropane	96-18-4	5.63	<5.63	ug/kg dry	
Bromobenzene	108-86-1	5.63	<5.63	ug/kg dry	
n-Propylbenzene	103-65-1	5.63	<5.63	ug/kg dry	
2-Chlorotoluene	95-49-8	5.63	<5.63	ug/kg dry	
4-Chlorotoluene	106-43-4	5.63	<5.63	ug/kg dry	
1,3,5-Trimethylbenzene	108-67-8	5.63	<5.63	ug/kg dry	
tert-Butylbenzene	98-06-6	5.63	<5.63	ug/kg dry	
1,2,4-Trimethylbenzene	95-63-6	5.63	<5.63	ug/kg dry	
sec-Butylbenzene	135-98-8	5.63	<5.63	ug/kg dry	
1,3-Dichlorobenzene	541-73-1	5.63	<5.63	ug/kg dry	
4-Isopropyltoluene	99-87-6	5.63	<5.63	ug/kg dry	
1,4-Dichlorobenzene	106-46-7	5.63	<5.63	ug/kg dry	
1,2-Dichlorobenzene	95-50-1	5.63	<5.63	ug/kg dry	
n-Butylbenzene	104-51-8	5.63	<5.63	ug/kg dry	
1,2-Dibromo-3-chloropropane	96-12-8	5.63	<5.63	ug/kg dry	



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Date (Time) Received: 07/14/2011 17:44	Laboratory ID: 1071414-01
Matrix: Soil	ELAP: #11693

Volatile Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
1,2,4-Trichlorobenzene	120-82-1	5.63	<5.63	ug/kg dry	
Naphthalene	91-20-3	5.63	<5.63	ug/kg dry	
Hexachlorobutadiene	87-68-3	5.63	<5.63	ug/kg dry	
Acrylonitrile	107-13-1	5.63	<5.63	ug/kg dry	
1,4-Dioxane	123-91-1	5.63	<5.63	ug/kg dry	
Acrolein	107-02-8	5.63	<5.63	ug/kg dry	

Date Extracted: 07/14/2011

Preparation Method: EPA 5030C Modified

Date Analyzed: 07/15/2011

Analytical Method: EPA 8260B



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Client: Laurel Environmental	Client ID: 67 Brighton 1 Lane
Date (Time) Collected: 07/14/2011 14:00	Sample ID: SB-3A 6-8'
Date (Time) Received: 07/14/2011 17:44	Laboratory ID: 1071414-01
Matrix: Soil	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
Naphthalene	91-20-3	45.1	69.9	ug/kg dry	4.B
Acenaphthylene	208-96-8	45.1	<45.1	ug/kg dry	
Acenaphthene	83-32-9	45.1	113	ug/kg dry	4.B
Fluorene	86-73-7	45.1	70.6	ug/kg dry	4.B
Phenanthrene	85-01-8	45.1	708	ug/kg dry	
Anthracene	120-12-7	45.1	107	ug/kg dry	4.B
Fluoranthene	206-44-0	45.1	654	ug/kg dry	
Pyrene	129-00-0	45.1	578	ug/kg dry	
Benzo(a)anthracene	56-55-3	45.1	289	ug/kg dry	
Chrysene	218-01-9	45.1	268	ug/kg dry	
Benzo(b)fluoranthene	205-99-2	45.1	313	ug/kg dry	
Benzo(k)fluoranthene	207-08-9	45.1	108	ug/kg dry	4.B
Benzo(a)pyrene	50-32-8	45.1	221	ug/kg dry	
Indeno(1,2,3-cd)pyrene	193-39-5	45.1	125	ug/kg dry	4.B
Dibenzo(a,h)anthracene	53-70-3	45.1	<45.1	ug/kg dry	
Benzo(g,h,i)perylene	191-24-2	45.1	163	ug/kg dry	

Date Extracted: 07/15/2011

Preparation Method: EPA 3545

Date Analyzed: 07/15/2011

Analytical Method: EPA 8270C



Client: Laurel Environmental	Client ID: 67 Brighton 1 Lane
Date (Time) Collected: 07/14/2011 14:00	Sample ID: SB-3A 6-8'
Date (Time) Received: 07/14/2011 17:44	Laboratory ID: 1071414-01
Matrix: Soil	ELAP: #11693

PCB/Aroclor Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
Aroclor-1016	12674-11-2	22.5	<22.5	ug/kg dry	
Aroclor-1260	11096-82-5	22.5	<22.5	ug/kg dry	
Aroclor 1221	11104-28-2	22.5	<22.5	ug/kg dry	
Aroclor 1232	11141-16-5	22.5	<22.5	ug/kg dry	
Aroclor 1242	53469-21-9	22.5	<22.5	ug/kg dry	
Aroclor 1248	12672-29-6	22.5	<22.5	ug/kg dry	
Aroclor 1254	11097-69-1	22.5	<22.5	ug/kg dry	

Date Extracted: 07/15/2011

Preparation Method: EPA 3545

Date Analyzed: 07/18/2011

Analytical Method: EPA 8082



Client: Laurel Environmental	Client ID: 67 Brighton 1 Lane
Date (Time) Collected: 07/14/2011 14:00	Sample ID: SB-3A 6-8'
Date (Time) Received: 07/14/2011 17:44	Laboratory ID: 1071414-01
Matrix: Soil	ELAP: #11693

Total Metals Analysis

Parameter	Date Analyzed	Method	MRL	Result	Units	Flag
Aluminum	07/15/2011	EPA 6010B	312	1930	mg/kg dry	4.F
Antimony	07/15/2011	EPA 6010B	1.65	<1.65	mg/kg dry	4.H
Arsenic	07/15/2011	EPA 6010B	1.65	2.49	mg/kg dry	
Barium	07/15/2011	EPA 6010B	3.33	16.6	mg/kg dry	4.H
Beryllium	07/15/2011	EPA 6010B	1.65	<1.65	mg/kg dry	
Cadmium	07/15/2011	EPA 6010B	1.00	<1.00	mg/kg dry	
Calcium	07/15/2011	EPA 6010B	8.25	545	mg/kg dry	4.H
Chromium	07/15/2011	EPA 6010B	1.65	4.83	mg/kg dry	
Cobalt	07/15/2011	EPA 6010B	1.65	<1.65	mg/kg dry	
Copper	07/15/2011	EPA 6010B	1.65	26.6	mg/kg dry	
Iron	07/15/2011	EPA 6010B	312	7090	mg/kg dry	4.F
Lead	07/15/2011	EPA 6010B	15.6	299	mg/kg dry	4.H
Magnesium	07/15/2011	EPA 6010B	1.65	366	mg/kg dry	4.H
Manganese	07/15/2011	EPA 6010B	8.25	26.3	mg/kg dry	4.F
Nickel	07/15/2011	EPA 6010B	1.65	3.28	mg/kg dry	
Potassium	07/15/2011	EPA 6010B	1.65	233	mg/kg dry	4.H
Selenium	07/15/2011	EPA 6010B	1.65	<1.65	mg/kg dry	
Silver	07/15/2011	EPA 6010B	1.65	<1.65	mg/kg dry	
Sodium	07/15/2011	EPA 6010B	7.79	32.9	mg/kg dry	
Thallium	07/15/2011	EPA 6010B	1.65	<1.65	mg/kg dry	
Vanadium	07/15/2011	EPA 6010B	1.65	5.20	mg/kg dry	
Zinc	07/15/2011	EPA 6010B	1.65	63.4	mg/kg dry	

Date Extracted: 07/15/2011

Preparation Method: EPA 3050B

Date Analyzed: 07/15/2011

Analytical Method: EPA 6010B

Mercury	07/15/2011	EPA 7471A	0.02	0.10	mg/kg dry	
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Date Extracted: 07/14/2011

Preparation Method: EPA 7471A

Date Analyzed: 07/15/2011

Analytical Method: EPA 7471A

Data Qualifiers Key Reference:

- 4.B Data reported below the lower limit of quantitation and should be considered to have an increased quantitative uncertainty.
- 4.F Spike recovery does not meet QC criteria due to high target compound concentration
- 4.H Spike recovery out of range due to matrix inconsistency
- MRL Minimum Reporting Limit



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"INDUSTRY'S ANALYTICAL SOLUTIONS TODAY"

CHAIN OF CUSTODY / REQUEST FOR ANALYSIS DOCUMENT

(15)

CLIENT NAME/ADDRESS: **LAUREL**

CONTACT: **Scott Yanuck**

PHONE: **631-673-0612**

FAX:

SAMPLER (SIGNATURE): **Scott Yanuck**

DATE: **7/14/11**

SAMPLER NAME (PRINT): **Scott Yanuck**

DATE: **7/14/11**

TIME: **2:10 PM**

SAMPLE(S) SEALED: **YES / NO**

CORRECT CONTAINER(S): **YES / NO**

L7 (F): **1071414**

PROJECT LOCATION: **67 Brighton Lane**

TERMS & CONDITIONS: Accounts are payable in full within thirty days, outstanding balances accrue service charges of 1.5% per month. Tendering of samples to LIAL for analytical testing constitutes agreement by buyer/sampler to LIAL's Standard terms

SAMPLES RECEIVED AT: **27°C**

ANALYSIS REQUIRED: **8260 TCL, 8270 PNH, PCBs, TAL Metals**

LABORATORY ID #	MATRIX	TYPE	PH	RES. CHLORINE	PRES.	DATE	TIME	SAMPLE #	LOCATION	ANALYSIS REQUIRED	# OF CONTAINERS
1. 1071414-01	5	6				7/14/11	14:30	SB-3A	C-81	K X X X	4
2.											
3.											
4.											
5.											
6.											
7.											
8.											
9.											
10.											
11.											
12.											
13.											
14.											

RUSH!

(24)

MATRIX: S=SOL; SL=SLUDGE; DW=DRINKING WATER; A=AIR; W=WIFE; PC=PAINT CHIPS; BM=BULK MATERIAL; O=OIL; WW=WASTE WATER

TYPE: G=GRAB; C=COMPOSITE; SS=SPLIT SPOON

PRES: (1) ICE; (2) HCL; (3) H₂SO₄; (4) NaOH; (5) Na₂S₂O₃; (6) HNO₃; (7) OTHER

RELINQUISHED BY (SIGNATURE): **[Signature]**

DATE: **7/14/11**

TIME: **5:40pm**

PRINTED NAME: **Walter Canaro**

TURNAROUND REQUIRED: NORMAL STAT

BY: **7/15/11**

COMMENTS / INSTRUCTIONS: **Very TAT - email results by 3pm**

RECEIVED BY (SIGNATURE): **[Signature]**

DATE: **7-14-11**

TIME: **5:40pm**

PRINTED NAME: **Ben Johnson**

APPENDIX E

Groundwater Analytical Results



LIAL# 1071108

July 18, 2011

Page 1 of 9

Laurel Environmental
Scott Yanuck
53 West Hills Road
Huntington Station NY, 11746

Re: 11-257 67 Brighton 1st Ln Brooklyn

Dear Scott Yanuck,

Enclosed please find the Laboratory Analysis Report(s) for sample(s) received on July 11, 2011. Long Island Analytical Laboratories analyzed the samples on July 18, 2011 for the following:

CLIENT ID	ANALYSIS
GW-1	EPA 8082, EPA 8260B, EPA 8270C, RCRA 23

Samples received at 2.7 ° C

If you have any questions or require further information, please call at your convenience. Long Island Analytical Laboratories Inc. is a NELAP accredited laboratory. All reported results meet the requirements of the NELAP standards unless noted. Report shall not be reproduced except in full without the written approval of the laboratory. Results related only to items tested. Long Island Analytical Laboratories would like to thank you for the opportunity to be of service to you.

Best Regards,

Long Island Analytical Laboratories, Inc.

Michael Veraldi - Laboratory Director

Client: Laurel Environmental	Client ID: 11-257 67 Brighton 1st Ln Brooklyn
Date (Time) Collected: 07/08/2011 09:00	Sample ID: GW-1
Date (Time) Received: 07/11/2011 13:30	Laboratory ID: 1071108-01
Matrix: Non-Potable Water	ELAP: #11693

Volatile Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
Bromomethane	74-83-9	5.00	<5.00	ug/L	
Chloroethane	75-00-3	5.00	<5.00	ug/L	
Chloromethane	74-87-3	5.00	<5.00	ug/L	
Dichlorodifluoromethane	75-71-8	5.00	<5.00	ug/L	
Vinyl chloride	75-01-4	5.00	<5.00	ug/L	
Trichlorofluoromethane	75-69-4	5.00	<5.00	ug/L	
Acetone	67-64-1	20.0	<20.0	ug/L	4.E
1,1-Dichloroethylene	75-35-4	5.00	<5.00	ug/L	
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	5.00	<5.00	ug/L	
Methylene Chloride	75-09-2	5.00	<5.00	ug/L	
Carbon disulfide	75-15-0	5.00	<5.00	ug/L	
Methyl-tert-Butyl Ether	1634-04-4	5.00	<5.00	ug/L	
trans-1,2-Dichloroethylene	156-60-5	5.00	<5.00	ug/L	
1,1-Dichloroethane	75-34-3	5.00	<5.00	ug/L	
Vinyl acetate	108-05-4	5.00	<5.00	ug/L	
Methyl Ethyl Ketone (2-Butanone)	78-93-3	10.0	<10.0	ug/L	4.E
cis-1,2-Dichloroethylene	156-59-2	5.00	<5.00	ug/L	
2,2-Dichloropropane	590-20-7	5.00	<5.00	ug/L	
Bromochloromethane	74-97-5	5.00	<5.00	ug/L	
Chloroform	67-66-3	5.00	<5.00	ug/L	
1,1,1-Trichloroethane	71-55-6	5.00	<5.00	ug/L	
1,2-Dichloroethane	107-06-2	5.00	<5.00	ug/L	
1,1-Dichloropropylene	563-58-6	5.00	<5.00	ug/L	
Carbon Tetrachloride	56-23-5	5.00	<5.00	ug/L	
Benzene	71-43-2	0.700	<0.700	ug/L	
Trichloroethylene	79-01-6	5.00	<5.00	ug/L	
1,2-Dichloropropane	78-87-5	5.00	<5.00	ug/L	
Dibromomethane	74-95-3	5.00	<5.00	ug/L	
Bromodichloromethane	75-27-4	5.00	<5.00	ug/L	
2-Chloroethyl Vinyl Ether	110-75-8	5.00	<5.00	ug/L	
Methyl Isobutyl Ketone	108-10-1	10.0	<10.0	ug/L	
cis-1,3-Dichloropropylene	10061-01-5	5.00	<5.00	ug/L	



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Client: Laurel Environmental	Client ID: 11-257 67 Brighton 1st Ln Brooklyn
Date (Time) Collected: 07/08/2011 09:00	Sample ID: GW-1
Date (Time) Received: 07/11/2011 13:30	Laboratory ID: 1071108-01
Matrix: Non-Potable Water	ELAP: #11693

Volatile Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
Toluene	108-88-3	5.00	<5.00	ug/L	
trans-1,3-Dichloropropylene	10061-02-6	5.00	<5.00	ug/L	
1,1,2-Trichloroethane	79-00-5	5.00	<5.00	ug/L	
Methyl Butyl Ketone (2-Hexanone)	591-78-6	5.00	<5.00	ug/L	
1,3-Dichloropropane	142-28-9	5.00	<5.00	ug/L	
Dibromochloromethane	124-48-1	5.00	<5.00	ug/L	
Tetrachloroethylene	127-18-4	5.00	<5.00	ug/L	
1,2-Dibromoethane	106-93-4	5.00	<5.00	ug/L	
Chlorobenzene	108-90-7	5.00	<5.00	ug/L	
1,1,1,2-Tetrachloroethane	630-20-6	5.00	<5.00	ug/L	
Ethylbenzene	100-41-4	5.00	<5.00	ug/L	
m,p-Xylenes	108-38-3/106-42-3	10.0	<10.0	ug/L	
Styrene	100-42-5	5.00	<5.00	ug/L	
o-Xylene	95-47-6	5.00	<5.00	ug/L	
Bromoform	75-25-2	5.00	<5.00	ug/L	
1,1,1,2-Tetrachloroethane	79-34-5	5.00	<5.00	ug/L	
Isopropylbenzene (Cumene)	98-82-8	5.00	<5.00	ug/L	
1,2,3-Trichloropropane	96-18-4	5.00	<5.00	ug/L	
Bromobenzene	108-86-1	5.00	<5.00	ug/L	
n-Propylbenzene	103-65-1	5.00	<5.00	ug/L	
2-Chlorotoluene	95-49-8	5.00	<5.00	ug/L	
4-Chlorotoluene	106-43-4	5.00	<5.00	ug/L	
1,3,5-Trimethylbenzene	108-67-8	5.00	<5.00	ug/L	
tert-Butylbenzene	98-06-6	5.00	<5.00	ug/L	
1,2,4-Trimethylbenzene	95-63-6	5.00	<5.00	ug/L	
sec-Butylbenzene	135-98-8	5.00	<5.00	ug/L	
1,3-Dichlorobenzene	541-73-1	5.00	<5.00	ug/L	
4-Isopropyltoluene	99-87-6	5.00	<5.00	ug/L	
1,4-Dichlorobenzene	106-46-7	5.00	<5.00	ug/L	
1,2-Dichlorobenzene	95-50-1	5.00	<5.00	ug/L	
n-Butylbenzene	104-51-8	5.00	<5.00	ug/L	



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Date (Time) Collected: 07/08/2011 09:00	Sample ID: GW-1
Date (Time) Received: 07/11/2011 13:30	Laboratory ID: 1071108-01
Matrix: Non-Potable Water	ELAP: #11693

Volatile Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
1,2-Dibromo-3-chloropropane	96-12-8	5.00	<5.00	ug/L	
1,2,4-Trichlorobenzene	120-82-1	5.00	<5.00	ug/L	
Naphthalene	91-20-3	5.00	<5.00	ug/L	
Hexachlorobutadiene	87-68-3	5.00	<5.00	ug/L	
1,2,3-Trichlorobenzene	87-61-6	5.00	<5.00	ug/L	
Acrylonitrile	107-13-1	5.00	<5.00	ug/L	
1,4-Dioxane	123-91-1	5.00	<5.00	ug/L	
Acrolein	107-02-8	5.00	<5.00	ug/L	

Date Extracted: 07/11/2011

Preparation Method: EPA 5030B

Date Analyzed: 07/11/2011

Analytical Method: EPA 8260B



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Date (Time) Received: 07/11/2011 13:30	Laboratory ID: 1071108-01
Matrix: Non-Potable Water	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
Pyridine	110-86-1	5.00	<5.00	ug/L	
N-Nitrosodimethylamine	62-75-9	5.00	<5.00	ug/L	
Phenol	108-95-2	5.00	<5.00	ug/L	
Aniline	62-53-3	5.00	<5.00	ug/L	
2-Chlorophenol	95-57-8	5.00	<5.00	ug/L	
Bis(2-Chloroethyl)ether	111-44-4	5.00	<5.00	ug/L	
1,3-Dichlorobenzene	541-73-1	5.00	<5.00	ug/L	
1,4-Dichlorobenzene	106-46-7	5.00	<5.00	ug/L	
Benzyl alcohol	100-51-6	5.00	<5.00	ug/L	
1,2-Dichlorobenzene	95-50-1	5.00	<5.00	ug/L	
2-Methylphenol	95-48-7	5.00	<5.00	ug/L	
Bis(2-chloroisopropyl)ether	39638-32-9	5.00	<5.00	ug/L	
Hexachloroethane	67-72-1	5.00	<5.00	ug/L	
3/4-Methylphenol	108-39-4/106-44-5	5.00	<5.00	ug/L	
N-Nitroso-di-n-propylamine	621-64-7	5.00	<5.00	ug/L	
Nitrobenzene	98-95-3	5.00	<5.00	ug/L	
Isophorone	78-59-1	5.00	<5.00	ug/L	
2-Nitrophenol	88-75-5	5.00	<5.00	ug/L	
2,4-Dimethylphenol	105-67-9	5.00	<5.00	ug/L	
Benzoic Acid	65-85-0	5.00	<5.00	ug/L	
bis(2-Chloroethoxy)methane	111-91-1	5.00	<5.00	ug/L	
2,4-Dichlorophenol	120-83-2	5.00	<5.00	ug/L	
1,2,4-Trichlorobenzene	120-82-1	5.00	<5.00	ug/L	
Naphthalene	91-20-3	5.00	<5.00	ug/L	
4-Chloroaniline	106-47-8	5.00	<5.00	ug/L	
Hexachlorobutadiene	87-68-3	5.00	<5.00	ug/L	
4-Chloro-3-methylphenol	59-50-7	5.00	<5.00	ug/L	
2-Methylnaphthalene	91-57-6	5.00	<5.00	ug/L	
Hexachlorocyclopentadiene	77-47-4	5.00	<5.00	ug/L	
2,4,6-Trichlorophenol	88-06-2	5.00	<5.00	ug/L	
2,4,5-Trichlorophenol	95-95-4	5.00	<5.00	ug/L	
2-Chloronaphthalene	91-58-7	5.00	<5.00	ug/L	



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ANALYTICAL
LABORATORIES INC.**

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"TOMORROWS ANALYTICAL SOLUTIONS TODAY"

Phone (631) 472-3400 • Fax (631) 472-8505 • Email: LIAL@lialinc.com

Client: Laurel Environmental	Client ID: 11-257 67 Brighton 1st Ln Brooklyn
Date (Time) Collected: 07/08/2011 09:00	Sample ID: GW-1
Date (Time) Received: 07/11/2011 13:30	Laboratory ID: 1071108-01
Matrix: Non-Potable Water	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
2-Nitroaniline	88-74-4	5.00	<5.00	ug/L	
Dimethyl phthalate	131-11-3	5.00	<5.00	ug/L	
Acenaphthylene	208-96-8	5.00	<5.00	ug/L	
2,6-Dinitrotoluene	606-20-2	5.00	<5.00	ug/L	
3-Nitroaniline	99-09-2	5.00	<5.00	ug/L	
Acenaphthene	83-32-9	5.00	<5.00	ug/L	
2,4-Dinitrophenol	51-28-5	5.00	<5.00	ug/L	
Dibenzofuran	132-64-9	5.00	<5.00	ug/L	
4-Nitrophenol	100-02-7	5.00	<5.00	ug/L	
2,4-Dinitrotoluene	121-14-2	5.00	<5.00	ug/L	
Fluorene	86-73-7	5.00	<5.00	ug/L	
Diethyl phthalate	84-66-2	5.00	<5.00	ug/L	
4-Chlorophenyl phenyl ether	7005-72-3	5.00	<5.00	ug/L	
4-Nitroaniline	100-01-6	5.00	<5.00	ug/L	
4,6-Dinitro-2-methylphenol	534-52-1	5.00	<5.00	ug/L	
N-Nitrosodiphenylamine	86-30-6	5.00	<5.00	ug/L	
Azobenzene	103-33-3	5.00	<5.00	ug/L	
4-Bromophenyl phenyl ether	101-55-3	5.00	<5.00	ug/L	
Hexachlorobenzene	118-74-1	5.00	<5.00	ug/L	
Pentachlorophenol	87-86-5	5.00	<5.00	ug/L	
Phenanthrene	85-01-8	5.00	<5.00	ug/L	
Anthracene	120-12-7	5.00	<5.00	ug/L	
Carbazole	86-74-8	5.00	<5.00	ug/L	
Di-n-butyl phthalate	84-74-2	5.00	<5.00	ug/L	
Fluoranthene	206-44-0	5.00	<5.00	ug/L	
Pyrene	129-00-0	5.00	<5.00	ug/L	
Benidine	92-87-5	5.00	<5.00	ug/L	
Butyl benzyl phthalate	85-68-7	5.00	<5.00	ug/L	
Benzo(a)anthracene	56-55-3	5.00	<5.00	ug/L	
Chrysene	218-01-9	5.00	<5.00	ug/L	
3,3'-Dichlorobenzidine	91-94-1	5.00	<5.00	ug/L	



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Client: Laurel Environmental	Client ID: 11-257 67 Brighton 1st Ln Brooklyn
Date (Time) Collected: 07/08/2011 09:00	Sample ID: GW-1
Date (Time) Received: 07/11/2011 13:30	Laboratory ID: 1071108-01
Matrix: Non-Potable Water	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
Bis(2-Ethylhexyl)phthalate	117-81-7	5.00	<5.00	ug/L	
Di-n-octyl phthalate	117-84-0	5.00	<5.00	ug/L	
Benzo(b)fluoranthene	205-99-2	5.00	<5.00	ug/L	
Benzo(k)fluoranthene	207-08-9	5.00	<5.00	ug/L	
Benzo(a)pyrene	50-32-8	5.00	<5.00	ug/L	
Indeno(1,2,3-cd)pyrene	193-39-5	5.00	<5.00	ug/L	
Dibenzo(a,h)anthracene	53-70-3	5.00	<5.00	ug/L	
Benzo(g,h,i)perylene	191-24-2	5.00	<5.00	ug/L	

Date Extracted: 07/12/2011

Preparation Method: EPA 3510C

Date Analyzed: 07/13/2011

Analytical Method: EPA 8270C



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Client: Laurel Environmental	Client ID: 11-257 67 Brighton 1st Ln Brooklyn
Date (Time) Collected: 07/08/2011 09:00	Sample ID: GW-1
Date (Time) Received: 07/11/2011 13:30	Laboratory ID: 1071108-01
Matrix: Non-Potable Water	ELAP: #11693

PCB/Aroclor Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
Aroclor-1016	12674-11-2	20.0	<20.0	ug/L	
Aroclor-1260	11096-82-5	20.0	<20.0	ug/L	
Aroclor 1221	11104-28-2	20.0	<20.0	ug/L	
Aroclor 1232	11141-16-5	20.0	<20.0	ug/L	
Aroclor 1242	53469-21-9	20.0	<20.0	ug/L	
Aroclor 1248	12672-29-6	20.0	<20.0	ug/L	
Aroclor 1254	11097-69-1	20.0	<20.0	ug/L	

Date Extracted: 07/15/2011

Preparation Method: EPA 3510C

Date Analyzed: 07/18/2011

Analytical Method: EPA 8082



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Client: Laurel Environmental	Client ID: 11-257 67 Brighton 1st Ln Brooklyn
Date (Time) Collected: 07/08/2011 09:00	Sample ID: GW-1
Date (Time) Received: 07/11/2011 13:30	Laboratory ID: 1071108-01
Matrix: Non-Potable Water	ELAP: #11693

Total Metals Analysis

Parameter	Date Analyzed	Method	MRL	Result	Units	Flag
Aluminum	07/12/2011	EPA 200.7 Rev. 4.4	0.05	0.46	mg/L	
Calcium	07/12/2011	EPA 200.7 Rev. 4.4	0.50	49.2	mg/L	
Antimony	07/12/2011	EPA 200.7 Rev. 4.4	0.05	<0.05	mg/L	
Arsenic	07/12/2011	EPA 200.7 Rev. 4.4	0.05	<0.05	mg/L	
Barium	07/12/2011	EPA 200.7 Rev. 4.4	1.00	<1.00	mg/L	
Beryllium	07/12/2011	EPA 200.7 Rev. 4.4	0.05	<0.05	mg/L	
Cadmium	07/12/2011	EPA 200.7 Rev. 4.4	0.05	<0.05	mg/L	
Chromium	07/12/2011	EPA 200.7 Rev. 4.4	0.05	<0.05	mg/L	
Cobalt	07/12/2011	EPA 200.7 Rev. 4.4	0.05	<0.05	mg/L	
Copper	07/12/2011	EPA 200.7 Rev. 4.4	0.05	<0.05	mg/L	
Iron	07/12/2011	EPA 200.7 Rev. 4.4	0.10	2.89	mg/L	
Lead	07/12/2011	EPA 200.7 Rev. 4.4	0.005	<0.005	mg/L	
Magnesium	07/12/2011	EPA 200.7 Rev. 4.4	0.10	6.03	mg/L	
Manganese	07/12/2011	EPA 200.7 Rev. 4.4	0.05	0.08	mg/L	
Nickel	07/12/2011	EPA 200.7 Rev. 4.4	0.05	<0.05	mg/L	
Potassium	07/12/2011	EPA 200.7 Rev. 4.4	0.10	3.99	mg/L	
Selenium	07/12/2011	EPA 200.7 Rev. 4.4	0.05	<0.05	mg/L	
Silver	07/12/2011	EPA 200.7 Rev. 4.4	0.05	<0.05	mg/L	
Sodium	07/12/2011	EPA 200.7 Rev. 4.4	0.10	17.3	mg/L	4.G
Thallium	07/12/2011	EPA 200.7 Rev. 4.4	0.50	<0.50	mg/L	
Vanadium	07/12/2011	EPA 200.7 Rev. 4.4	0.05	<0.05	mg/L	
Zinc	07/12/2011	EPA 200.7 Rev. 4.4	0.05	0.11	mg/L	

Date Extracted: 07/12/2011

Preparation Method: EPA 200.2

Date Analyzed: 07/12/2011

Analytical Method: EPA 200.7 Rev. 4.4

Mercury	07/13/2011	EPA 245.1 Rev. 3.0	0.002	<0.002	mg/L	
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Date Extracted: 07/12/2011

Preparation Method: EPA 245.1

Date Analyzed: 07/13/2011

Analytical Method: EPA 245.1 Rev. 3.0

Data Qualifiers Key Reference:

- 4.E QC does not meet acceptance criteria
- 4.G Spike recovery out of range due to matrix interference
- MRL Minimum Reporting Limit



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APPENDIX F

Soil Vapor Analytical Results

Con-Test Analytical Laboratory	Client	Laurel Environmental Associates			
Analytical Testing Report	Attention	Scott Yanuck			
Work Order: 11G0216	Project Name	11-256 - 67 Brighton 1st Lane, Brooklyn, NY			
Report Date: 7/15/2011 4:22:55 PM	Project Number	11-256			
<i>Note: This is not the original data. Please refer to PDF / Hardcopy report.</i>					
General Method	Analyte	Units			
LAB ID			11G0216-01	11G0216-02	11G0216-03
CLIENT ID			SG-1	SG-2	SG-3
DATE SAMPLED			08-Jul-11	08-Jul-11	08-Jul-11
DATE RECEIVED			11-Jul-11	11-Jul-11	11-Jul-11
MATRIX			Air	Air	Air
Air Toxics by EPA Compendium Methods	Acetone	µg/m³ Air	330	190	360
Air Toxics by EPA Compendium Methods	Benzene	µg/m³ Air	7.8	15	16
Air Toxics by EPA Compendium Methods	Benzyl chloride	µg/m³ Air	<0.52	<0.52	<0.52
Air Toxics by EPA Compendium Methods	Bromodichloromethane	µg/m³ Air	<0.67	<0.67	<0.67
Air Toxics by EPA Compendium Methods	Bromoethane	µg/m³ Air	<1.0	<1.0	<1.0
Air Toxics by EPA Compendium Methods	Bromomethane	µg/m³ Air	<0.39	<0.39	<0.39
Air Toxics by EPA Compendium Methods	1,3-Butadiene	µg/m³ Air	<0.22	<0.22	<0.22
Air Toxics by EPA Compendium Methods	2-Butanone (MEK)	µg/m³ Air	49	43	59
Air Toxics by EPA Compendium Methods	Carbon Disulfide	µg/m³ Air	4.8	1.3	1.5
Air Toxics by EPA Compendium Methods	Carbon Tetrachloride	µg/m³ Air	<0.63	<0.63	<0.63
Air Toxics by EPA Compendium Methods	Chlorobenzene	µg/m³ Air	<0.46	<0.46	<0.46
Air Toxics by EPA Compendium Methods	Chloroethane	µg/m³ Air	<0.26	<0.26	<0.26
Air Toxics by EPA Compendium Methods	Chloroform	µg/m³ Air	3.5	3.6	3.2
Air Toxics by EPA Compendium Methods	Chloromethane	µg/m³ Air	2.5	0.97	1.1
Air Toxics by EPA Compendium Methods	Cyclohexane	µg/m³ Air	5.3	15	20
Air Toxics by EPA Compendium Methods	Dibromochloromethane	µg/m³ Air	<0.85	<0.85	<0.85
Air Toxics by EPA Compendium Methods	1,2-Dibromoethane (EDB)	µg/m³ Air	<0.77	<0.77	<0.77
Air Toxics by EPA Compendium Methods	1,2-Dichlorobenzene	µg/m³ Air	<0.60	<0.60	<0.60
Air Toxics by EPA Compendium Methods	1,3-Dichlorobenzene	µg/m³ Air	6.5	2.5	3.1
Air Toxics by EPA Compendium Methods	1,4-Dichlorobenzene	µg/m³ Air	<0.60	1	0.85
Air Toxics by EPA Compendium Methods	Dichlorodifluoromethane (Freon 113)	µg/m³ Air	2.3	5.4	3
Air Toxics by EPA Compendium Methods	1,1-Dichloroethane	µg/m³ Air	<0.40	<0.40	<0.40
Air Toxics by EPA Compendium Methods	1,2-Dichloroethane	µg/m³ Air	<0.40	<0.40	<0.40
Air Toxics by EPA Compendium Methods	1,1-Dichloroethylene	µg/m³ Air	<0.40	<0.40	<0.40
Air Toxics by EPA Compendium Methods	cis-1,2-Dichloroethylene	µg/m³ Air	<0.40	4.2	<0.40
Air Toxics by EPA Compendium Methods	trans-1,2-Dichloroethylene	µg/m³ Air	<0.40	<0.40	<0.40
Air Toxics by EPA Compendium Methods	1,2-Dichloropropane	µg/m³ Air	<0.46	<0.46	<0.46
Air Toxics by EPA Compendium Methods	cis-1,3-Dichloropropene	µg/m³ Air	<0.45	<0.45	<0.45
Air Toxics by EPA Compendium Methods	trans-1,3-Dichloropropene	µg/m³ Air	<0.45	<0.45	<0.45
Air Toxics by EPA Compendium Methods	1,2-Dichloro-1,1,2,2-tetrafluoroethane	µg/m³ Air	<0.70	<0.70	<0.70
Air Toxics by EPA Compendium Methods	Ethanol	µg/m³ Air	360	230	360
Air Toxics by EPA Compendium Methods	Ethyl Acetate	µg/m³ Air	4.3	<0.36	<0.36
Air Toxics by EPA Compendium Methods	Ethylbenzene	µg/m³ Air	7.9	13	14
Air Toxics by EPA Compendium Methods	4-Ethyltoluene	µg/m³ Air	3.8	7.4	5.8
Air Toxics by EPA Compendium Methods	Heptane	µg/m³ Air	7.2	16	19
Air Toxics by EPA Compendium Methods	Hexachlorobutadiene	µg/m³ Air	<1.1	<1.1	<1.1
Air Toxics by EPA Compendium Methods	Hexane	µg/m³ Air	18	37	47
Air Toxics by EPA Compendium Methods	2-Hexanone (MBK)	µg/m³ Air	2	<0.41	<0.41
Air Toxics by EPA Compendium Methods	Isopropanol	µg/m³ Air	13	12	19
Air Toxics by EPA Compendium Methods	Methyl tert-Butyl Ether (MTBE)	µg/m³ Air	6.4	9.4	15
Air Toxics by EPA Compendium Methods	Methylene Chloride	µg/m³ Air	3.9	4.3	3.7
Air Toxics by EPA Compendium Methods	4-Methyl-2-pentanone (MIBK)	µg/m³ Air	9.3	8.2	9.8
Air Toxics by EPA Compendium Methods	Propene	µg/m³ Air	85	21	<1.7
Air Toxics by EPA Compendium Methods	Styrene	µg/m³ Air	0.77	0.93	0.95
Air Toxics by EPA Compendium Methods	1,1,2,2-Tetrachloroethane	µg/m³ Air	<0.69	<0.69	<0.69
Air Toxics by EPA Compendium Methods	Tetrachloroethylene	µg/m³ Air	0.83	8.6	0.94
Air Toxics by EPA Compendium Methods	Tetrahydrofuran	µg/m³ Air	47	50	71
Air Toxics by EPA Compendium Methods	Toluene	µg/m³ Air	42	65	68
Air Toxics by EPA Compendium Methods	1,2,4-Trichlorobenzene	µg/m³ Air	<0.74	<0.74	<0.74
Air Toxics by EPA Compendium Methods	1,1,1-Trichloroethane	µg/m³ Air	<0.55	<0.55	<0.55
Air Toxics by EPA Compendium Methods	1,1,2-Trichloroethane	µg/m³ Air	<0.55	<0.55	<0.55
Air Toxics by EPA Compendium Methods	Trichloroethylene	µg/m³ Air	<0.54	3.2	<0.54
Air Toxics by EPA Compendium Methods	Trichlorofluoromethane (Freon 113)	µg/m³ Air	2.3	2	2
Air Toxics by EPA Compendium Methods	1,1,2-Trichloro-1,2,2-trifluoroethane	µg/m³ Air	0.78	<0.77	<0.77
Air Toxics by EPA Compendium Methods	1,2,4-Trimethylbenzene	µg/m³ Air	19	29	27
Air Toxics by EPA Compendium Methods	1,3,5-Trimethylbenzene	µg/m³ Air	5.6	8.8	8
Air Toxics by EPA Compendium Methods	Vinyl Acetate	µg/m³ Air	<0.35	<0.35	<0.35
Air Toxics by EPA Compendium Methods	Vinyl Chloride	µg/m³ Air	<0.26	<0.26	<0.26
Air Toxics by EPA Compendium Methods	m&p-Xylene	µg/m³ Air	25	43	44
Air Toxics by EPA Compendium Methods	o-Xylene	µg/m³ Air	13	21	21

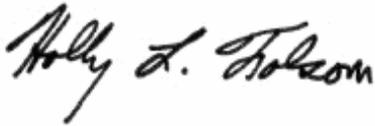
July 15, 2011

Scott Yanuck
Laurel Environmental Associates
53 West Hills Road, Suite 1
Huntington Station, NY 11746

Project Location: 67 Brighton 1st Lane, Brooklyn, NY
Client Job Number:
Project Number: 11-256
Laboratory Work Order Number: 11G0216

Enclosed are results of analyses for samples received by the laboratory on July 11, 2011. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Holly L. Folsom". The signature is written in a cursive, flowing style.

Holly L. Folsom
Project Manager

Laurel Environmental Associates
53 West Hills Road, Suite 1
Huntington Station, NY 11746
ATTN: Scott Yanuck

REPORT DATE: 7/15/2011

PURCHASE ORDER NUMBER: 11-256

PROJECT NUMBER: 11-256

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 11G0216

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: 67 Brighton 1st Lane, Brooklyn, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
SG-1	11G0216-01	Soil Gas		EPA TO-15	
SG-2	11G0216-02	Soil Gas		EPA TO-15	
SG-3	11G0216-03	Soil Gas		EPA TO-15	

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

EPA TO-15

Qualifications:

Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:

1,2,4-Trichlorobenzene, Bromoform

S000856-CCV1

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Michael A. Erickson
Laboratory Director

ANALYTICAL RESULTS

Project Location: 67 Brighton 1st Lane, Brooklyn,
 Date Received: 7/11/2011
Field Sample #: SG-1
Sample ID: 11G0216-01
 Sample Matrix: Soil Gas
 Sampled: 7/8/2011 13:27

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1258
 Canister Size: 6 liter
 Flow Controller ID: 3041
 Sample Type: 2 hr

Work Order: 11G0216
 Initial Vacuum(in Hg): -30
 Final Vacuum(in Hg): -12
 Receipt Vacuum(in Hg): -10
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	ppbv		Flag	ug/m3		Dilution	Date/Time Analyzed	Analyst
	Results	RL		Results	RL			
Acetone	140	10		330	24	20	7/13/11 22:17	TPH
Benzene	2.4	0.10		7.8	0.32	2	7/13/11 22:56	TPH
Benzyl chloride	ND	0.10		ND	0.52	2	7/13/11 22:56	TPH
Bromodichloromethane	ND	0.10		ND	0.67	2	7/13/11 22:56	TPH
Bromoform	ND	0.10		ND	1.0	2	7/13/11 22:56	TPH
Bromomethane	ND	0.10		ND	0.39	2	7/13/11 22:56	TPH
1,3-Butadiene	ND	0.10		ND	0.22	2	7/13/11 22:56	TPH
2-Butanone (MEK)	17	0.10		49	0.29	2	7/13/11 22:56	TPH
Carbon Disulfide	1.5	0.10		4.8	0.31	2	7/13/11 22:56	TPH
Carbon Tetrachloride	ND	0.10		ND	0.63	2	7/13/11 22:56	TPH
Chlorobenzene	ND	0.10		ND	0.46	2	7/13/11 22:56	TPH
Chloroethane	ND	0.10		ND	0.26	2	7/13/11 22:56	TPH
Chloroform	0.71	0.10		3.5	0.49	2	7/13/11 22:56	TPH
Chloromethane	1.2	0.10		2.5	0.21	2	7/13/11 22:56	TPH
Cyclohexane	1.6	0.10		5.3	0.34	2	7/13/11 22:56	TPH
Dibromochloromethane	ND	0.10		ND	0.85	2	7/13/11 22:56	TPH
1,2-Dibromoethane (EDB)	ND	0.10		ND	0.77	2	7/13/11 22:56	TPH
1,2-Dichlorobenzene	ND	0.10		ND	0.60	2	7/13/11 22:56	TPH
1,3-Dichlorobenzene	1.1	0.10		6.5	0.60	2	7/13/11 22:56	TPH
1,4-Dichlorobenzene	ND	0.10		ND	0.60	2	7/13/11 22:56	TPH
Dichlorodifluoromethane (Freon 12)	0.47	0.10		2.3	0.49	2	7/13/11 22:56	TPH
1,1-Dichloroethane	ND	0.10		ND	0.40	2	7/13/11 22:56	TPH
1,2-Dichloroethane	ND	0.10		ND	0.40	2	7/13/11 22:56	TPH
1,1-Dichloroethylene	ND	0.10		ND	0.40	2	7/13/11 22:56	TPH
cis-1,2-Dichloroethylene	ND	0.10		ND	0.40	2	7/13/11 22:56	TPH
trans-1,2-Dichloroethylene	ND	0.10		ND	0.40	2	7/13/11 22:56	TPH
1,2-Dichloropropane	ND	0.10		ND	0.46	2	7/13/11 22:56	TPH
cis-1,3-Dichloropropene	ND	0.10		ND	0.45	2	7/13/11 22:56	TPH
trans-1,3-Dichloropropene	ND	0.10		ND	0.45	2	7/13/11 22:56	TPH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.10		ND	0.70	2	7/13/11 22:56	TPH
Ethanol	190	10		360	19	20	7/13/11 22:17	TPH
Ethyl Acetate	1.2	0.10		4.3	0.36	2	7/13/11 22:56	TPH
Ethylbenzene	1.8	0.10		7.9	0.43	2	7/13/11 22:56	TPH
4-Ethyltoluene	0.77	0.10		3.8	0.49	2	7/13/11 22:56	TPH
Heptane	1.8	0.10		7.2	0.41	2	7/13/11 22:56	TPH
Hexachlorobutadiene	ND	0.10		ND	1.1	2	7/13/11 22:56	TPH
Hexane	5.1	0.10		18	0.35	2	7/13/11 22:56	TPH
2-Hexanone (MBK)	0.49	0.10		2.0	0.41	2	7/13/11 22:56	TPH

ANALYTICAL RESULTS

Project Location: 67 Brighton 1st Lane, Brooklyn,
 Date Received: 7/11/2011
Field Sample #: SG-1
Sample ID: 11G0216-01
 Sample Matrix: Soil Gas
 Sampled: 7/8/2011 13:27

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1258
 Canister Size: 6 liter
 Flow Controller ID: 3041
 Sample Type: 2 hr

Work Order: 11G0216
 Initial Vacuum(in Hg): -30
 Final Vacuum(in Hg): -12
 Receipt Vacuum(in Hg): -10
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	ppbv		Flag	ug/m3		Dilution	Date/Time Analyzed	Analyst
	Results	RL		Results	RL			
Isopropanol	5.2	0.10		13	0.25	2	7/13/11 22:56	TPH
Methyl tert-Butyl Ether (MTBE)	1.8	0.10		6.4	0.36	2	7/13/11 22:56	TPH
Methylene Chloride	1.1	0.20		3.9	0.69	2	7/13/11 22:56	TPH
4-Methyl-2-pentanone (MIBK)	2.3	0.10		9.3	0.41	2	7/13/11 22:56	TPH
Propene	50	1.0		85	1.7	2	7/13/11 22:56	TPH
Styrene	0.18	0.10		0.77	0.43	2	7/13/11 22:56	TPH
1,1,2,2-Tetrachloroethane	ND	0.10		ND	0.69	2	7/13/11 22:56	TPH
Tetrachloroethylene	0.12	0.10		0.83	0.68	2	7/13/11 22:56	TPH
Tetrahydrofuran	16	0.10		47	0.29	2	7/13/11 22:56	TPH
Toluene	11	0.10		42	0.38	2	7/13/11 22:56	TPH
1,2,4-Trichlorobenzene	ND	0.10		ND	0.74	2	7/13/11 22:56	TPH
1,1,1-Trichloroethane	ND	0.10		ND	0.55	2	7/13/11 22:56	TPH
1,1,2-Trichloroethane	ND	0.10		ND	0.55	2	7/13/11 22:56	TPH
Trichloroethylene	ND	0.10		ND	0.54	2	7/13/11 22:56	TPH
Trichlorofluoromethane (Freon 11)	0.40	0.10		2.3	0.56	2	7/13/11 22:56	TPH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.10	0.10		0.78	0.77	2	7/13/11 22:56	TPH
1,2,4-Trimethylbenzene	3.9	0.10		19	0.49	2	7/13/11 22:56	TPH
1,3,5-Trimethylbenzene	1.1	0.10		5.6	0.49	2	7/13/11 22:56	TPH
Vinyl Acetate	ND	0.10		ND	0.35	2	7/13/11 22:56	TPH
Vinyl Chloride	ND	0.10		ND	0.26	2	7/13/11 22:56	TPH
m&p-Xylene	5.7	0.20		25	0.87	2	7/13/11 22:56	TPH
o-Xylene	3.0	0.10		13	0.43	2	7/13/11 22:56	TPH

Surrogates	% Recovery	% REC Limits	Date/Time Analyzed
4-Bromofluorobenzene (1)	110	70-130	7/13/11 22:17
4-Bromofluorobenzene (1)	111	70-130	7/13/11 22:56

ANALYTICAL RESULTS

Project Location: 67 Brighton 1st Lane, Brooklyn,
 Date Received: 7/11/2011
Field Sample #: SG-2
Sample ID: 11G0216-02
 Sample Matrix: Soil Gas
 Sampled: 7/8/2011 11:17

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1473
 Canister Size: 6 liter
 Flow Controller ID: 3041
 Sample Type: 2 hr

Work Order: 11G0216
 Initial Vacuum(in Hg): -26
 Final Vacuum(in Hg): -6
 Receipt Vacuum(in Hg): -4.5
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	ppbv		Flag	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analized		
Acetone	78	1.0		190	2.4	2	7/14/11	0:13	TPH
Benzene	4.6	0.10		15	0.32	2	7/14/11	0:13	TPH
Benzyl chloride	ND	0.10		ND	0.52	2	7/14/11	0:13	TPH
Bromodichloromethane	ND	0.10		ND	0.67	2	7/14/11	0:13	TPH
Bromoform	ND	0.10		ND	1.0	2	7/14/11	0:13	TPH
Bromomethane	ND	0.10		ND	0.39	2	7/14/11	0:13	TPH
1,3-Butadiene	ND	0.10		ND	0.22	2	7/14/11	0:13	TPH
2-Butanone (MEK)	15	0.10		43	0.29	2	7/14/11	0:13	TPH
Carbon Disulfide	0.42	0.10		1.3	0.31	2	7/14/11	0:13	TPH
Carbon Tetrachloride	ND	0.10		ND	0.63	2	7/14/11	0:13	TPH
Chlorobenzene	ND	0.10		ND	0.46	2	7/14/11	0:13	TPH
Chloroethane	ND	0.10		ND	0.26	2	7/14/11	0:13	TPH
Chloroform	0.73	0.10		3.6	0.49	2	7/14/11	0:13	TPH
Chloromethane	0.47	0.10		0.97	0.21	2	7/14/11	0:13	TPH
Cyclohexane	4.3	0.10		15	0.34	2	7/14/11	0:13	TPH
Dibromochloromethane	ND	0.10		ND	0.85	2	7/14/11	0:13	TPH
1,2-Dibromoethane (EDB)	ND	0.10		ND	0.77	2	7/14/11	0:13	TPH
1,2-Dichlorobenzene	ND	0.10		ND	0.60	2	7/14/11	0:13	TPH
1,3-Dichlorobenzene	0.42	0.10		2.5	0.60	2	7/14/11	0:13	TPH
1,4-Dichlorobenzene	0.17	0.10		1.00	0.60	2	7/14/11	0:13	TPH
Dichlorodifluoromethane (Freon 12)	1.1	0.10		5.4	0.49	2	7/14/11	0:13	TPH
1,1-Dichloroethane	ND	0.10		ND	0.40	2	7/14/11	0:13	TPH
1,2-Dichloroethane	ND	0.10		ND	0.40	2	7/14/11	0:13	TPH
1,1-Dichloroethylene	ND	0.10		ND	0.40	2	7/14/11	0:13	TPH
cis-1,2-Dichloroethylene	1.1	0.10		4.2	0.40	2	7/14/11	0:13	TPH
trans-1,2-Dichloroethylene	ND	0.10		ND	0.40	2	7/14/11	0:13	TPH
1,2-Dichloropropane	ND	0.10		ND	0.46	2	7/14/11	0:13	TPH
cis-1,3-Dichloropropene	ND	0.10		ND	0.45	2	7/14/11	0:13	TPH
trans-1,3-Dichloropropene	ND	0.10		ND	0.45	2	7/14/11	0:13	TPH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.10		ND	0.70	2	7/14/11	0:13	TPH
Ethanol	120	10		230	19	20	7/13/11	23:34	TPH
Ethyl Acetate	ND	0.10		ND	0.36	2	7/14/11	0:13	TPH
Ethylbenzene	3.0	0.10		13	0.43	2	7/14/11	0:13	TPH
4-Ethyltoluene	1.5	0.10		7.4	0.49	2	7/14/11	0:13	TPH
Heptane	4.0	0.10		16	0.41	2	7/14/11	0:13	TPH
Hexachlorobutadiene	ND	0.10		ND	1.1	2	7/14/11	0:13	TPH
Hexane	11	0.10		37	0.35	2	7/14/11	0:13	TPH
2-Hexanone (MBK)	ND	0.10		ND	0.41	2	7/14/11	0:13	TPH

ANALYTICAL RESULTS

Project Location: 67 Brighton 1st Lane, Brooklyn,
 Date Received: 7/11/2011
Field Sample #: SG-2
Sample ID: 11G0216-02
 Sample Matrix: Soil Gas
 Sampled: 7/8/2011 11:17

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1473
 Canister Size: 6 liter
 Flow Controller ID: 3041
 Sample Type: 2 hr

Work Order: 11G0216
 Initial Vacuum(in Hg): -26
 Final Vacuum(in Hg): -6
 Receipt Vacuum(in Hg): -4.5
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	ppbv		Flag	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
Isopropanol	4.7	0.10		12	0.25	2	7/14/11	0:13	TPH
Methyl tert-Butyl Ether (MTBE)	2.6	0.10		9.4	0.36	2	7/14/11	0:13	TPH
Methylene Chloride	1.2	0.20		4.3	0.69	2	7/14/11	0:13	TPH
4-Methyl-2-pentanone (MIBK)	2.0	0.10		8.2	0.41	2	7/14/11	0:13	TPH
Propene	12	1.0		21	1.7	2	7/14/11	0:13	TPH
Styrene	0.22	0.10		0.93	0.43	2	7/14/11	0:13	TPH
1,1,2,2-Tetrachloroethane	ND	0.10		ND	0.69	2	7/14/11	0:13	TPH
Tetrachloroethylene	1.3	0.10		8.6	0.68	2	7/14/11	0:13	TPH
Tetrahydrofuran	17	0.10		50	0.29	2	7/14/11	0:13	TPH
Toluene	17	0.10		65	0.38	2	7/14/11	0:13	TPH
1,2,4-Trichlorobenzene	ND	0.10		ND	0.74	2	7/14/11	0:13	TPH
1,1,1-Trichloroethane	ND	0.10		ND	0.55	2	7/14/11	0:13	TPH
1,1,2-Trichloroethane	ND	0.10		ND	0.55	2	7/14/11	0:13	TPH
Trichloroethylene	0.59	0.10		3.2	0.54	2	7/14/11	0:13	TPH
Trichlorofluoromethane (Freon 11)	0.36	0.10		2.0	0.56	2	7/14/11	0:13	TPH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.10		ND	0.77	2	7/14/11	0:13	TPH
1,2,4-Trimethylbenzene	5.9	0.10		29	0.49	2	7/14/11	0:13	TPH
1,3,5-Trimethylbenzene	1.8	0.10		8.8	0.49	2	7/14/11	0:13	TPH
Vinyl Acetate	ND	0.10		ND	0.35	2	7/14/11	0:13	TPH
Vinyl Chloride	ND	0.10		ND	0.26	2	7/14/11	0:13	TPH
m&p-Xylene	9.9	0.20		43	0.87	2	7/14/11	0:13	TPH
o-Xylene	4.8	0.10		21	0.43	2	7/14/11	0:13	TPH

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	110	70-130	7/14/11 0:13
4-Bromofluorobenzene (1)	111	70-130	7/13/11 23:34

ANALYTICAL RESULTS

Project Location: 67 Brighton 1st Lane, Brooklyn,
 Date Received: 7/11/2011
Field Sample #: SG-3
Sample ID: 11G0216-03
 Sample Matrix: Soil Gas
 Sampled: 7/8/2011 11:49

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1239
 Canister Size: 6 liter
 Flow Controller ID: 3008
 Sample Type: 2 hr

Work Order: 11G0216
 Initial Vacuum(in Hg): -30
 Final Vacuum(in Hg): -6
 Receipt Vacuum(in Hg): -6
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	ppbv		Flag	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analized		
Acetone	150	10		360	24	20	7/14/11	0:51	TPH
Benzene	4.9	0.10		16	0.32	2	7/14/11	1:29	TPH
Benzyl chloride	ND	0.10		ND	0.52	2	7/14/11	1:29	TPH
Bromodichloromethane	ND	0.10		ND	0.67	2	7/14/11	1:29	TPH
Bromoform	ND	0.10		ND	1.0	2	7/14/11	1:29	TPH
Bromomethane	ND	0.10		ND	0.39	2	7/14/11	1:29	TPH
1,3-Butadiene	ND	0.10		ND	0.22	2	7/14/11	1:29	TPH
2-Butanone (MEK)	20	0.10		59	0.29	2	7/14/11	1:29	TPH
Carbon Disulfide	0.48	0.10		1.5	0.31	2	7/14/11	1:29	TPH
Carbon Tetrachloride	ND	0.10		ND	0.63	2	7/14/11	1:29	TPH
Chlorobenzene	ND	0.10		ND	0.46	2	7/14/11	1:29	TPH
Chloroethane	ND	0.10		ND	0.26	2	7/14/11	1:29	TPH
Chloroform	0.66	0.10		3.2	0.49	2	7/14/11	1:29	TPH
Chloromethane	0.53	0.10		1.1	0.21	2	7/14/11	1:29	TPH
Cyclohexane	5.8	0.10		20	0.34	2	7/14/11	1:29	TPH
Dibromochloromethane	ND	0.10		ND	0.85	2	7/14/11	1:29	TPH
1,2-Dibromoethane (EDB)	ND	0.10		ND	0.77	2	7/14/11	1:29	TPH
1,2-Dichlorobenzene	ND	0.10		ND	0.60	2	7/14/11	1:29	TPH
1,3-Dichlorobenzene	0.52	0.10		3.1	0.60	2	7/14/11	1:29	TPH
1,4-Dichlorobenzene	0.14	0.10		0.85	0.60	2	7/14/11	1:29	TPH
Dichlorodifluoromethane (Freon 12)	0.61	0.10		3.0	0.49	2	7/14/11	1:29	TPH
1,1-Dichloroethane	ND	0.10		ND	0.40	2	7/14/11	1:29	TPH
1,2-Dichloroethane	ND	0.10		ND	0.40	2	7/14/11	1:29	TPH
1,1-Dichloroethylene	ND	0.10		ND	0.40	2	7/14/11	1:29	TPH
cis-1,2-Dichloroethylene	ND	0.10		ND	0.40	2	7/14/11	1:29	TPH
trans-1,2-Dichloroethylene	ND	0.10		ND	0.40	2	7/14/11	1:29	TPH
1,2-Dichloropropane	ND	0.10		ND	0.46	2	7/14/11	1:29	TPH
cis-1,3-Dichloropropene	ND	0.10		ND	0.45	2	7/14/11	1:29	TPH
trans-1,3-Dichloropropene	ND	0.10		ND	0.45	2	7/14/11	1:29	TPH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.10		ND	0.70	2	7/14/11	1:29	TPH
Ethanol	190	10		360	19	20	7/14/11	0:51	TPH
Ethyl Acetate	ND	0.10		ND	0.36	2	7/14/11	1:29	TPH
Ethylbenzene	3.1	0.10		14	0.43	2	7/14/11	1:29	TPH
4-Ethyltoluene	1.2	0.10		5.8	0.49	2	7/14/11	1:29	TPH
Heptane	4.6	0.10		19	0.41	2	7/14/11	1:29	TPH
Hexachlorobutadiene	ND	0.10		ND	1.1	2	7/14/11	1:29	TPH
Hexane	13	0.10		47	0.35	2	7/14/11	1:29	TPH
2-Hexanone (MBK)	ND	0.10		ND	0.41	2	7/14/11	1:29	TPH

ANALYTICAL RESULTS

Project Location: 67 Brighton 1st Lane, Brooklyn,
 Date Received: 7/11/2011
Field Sample #: SG-3
Sample ID: 11G0216-03
 Sample Matrix: Soil Gas
 Sampled: 7/8/2011 11:49

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1239
 Canister Size: 6 liter
 Flow Controller ID: 3008
 Sample Type: 2 hr

Work Order: 11G0216
 Initial Vacuum(in Hg): -30
 Final Vacuum(in Hg): -6
 Receipt Vacuum(in Hg): -6
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	ppbv		Flag	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
Isopropanol	7.6	0.10		19	0.25	2	7/14/11	1:29	TPH
Methyl tert-Butyl Ether (MTBE)	4.1	0.10		15	0.36	2	7/14/11	1:29	TPH
Methylene Chloride	1.1	0.20		3.7	0.69	2	7/14/11	1:29	TPH
4-Methyl-2-pentanone (MIBK)	2.4	0.10		9.8	0.41	2	7/14/11	1:29	TPH
Propene	ND	1.0		ND	1.7	2	7/14/11	1:29	TPH
Styrene	0.22	0.10		0.95	0.43	2	7/14/11	1:29	TPH
1,1,2,2-Tetrachloroethane	ND	0.10		ND	0.69	2	7/14/11	1:29	TPH
Tetrachloroethylene	0.14	0.10		0.94	0.68	2	7/14/11	1:29	TPH
Tetrahydrofuran	24	0.10		71	0.29	2	7/14/11	1:29	TPH
Toluene	18	0.10		68	0.38	2	7/14/11	1:29	TPH
1,2,4-Trichlorobenzene	ND	0.10		ND	0.74	2	7/14/11	1:29	TPH
1,1,1-Trichloroethane	ND	0.10		ND	0.55	2	7/14/11	1:29	TPH
1,1,2-Trichloroethane	ND	0.10		ND	0.55	2	7/14/11	1:29	TPH
Trichloroethylene	ND	0.10		ND	0.54	2	7/14/11	1:29	TPH
Trichlorofluoromethane (Freon 11)	0.35	0.10		2.0	0.56	2	7/14/11	1:29	TPH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.10		ND	0.77	2	7/14/11	1:29	TPH
1,2,4-Trimethylbenzene	5.6	0.10		27	0.49	2	7/14/11	1:29	TPH
1,3,5-Trimethylbenzene	1.6	0.10		8.0	0.49	2	7/14/11	1:29	TPH
Vinyl Acetate	ND	0.10		ND	0.35	2	7/14/11	1:29	TPH
Vinyl Chloride	ND	0.10		ND	0.26	2	7/14/11	1:29	TPH
m&p-Xylene	10	0.20		44	0.87	2	7/14/11	1:29	TPH
o-Xylene	4.9	0.10		21	0.43	2	7/14/11	1:29	TPH

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	110	70-130	7/14/11 0:51
4-Bromofluorobenzene (1)	112	70-130	7/14/11 1:29

Sample Extraction Data

Prep Method: TO-15 Prep-EPA TO-15

Lab Number [Field ID]	Batch	Pressure Dilution	Pre Dilution	Pre-Dil Initial mL	Pre-Dil Final mL	Default Injection mL	Actual Injection mL	Date
11G0216-01 [SG-1]	B033691	1.5	1	N/A	1000	400	300	07/13/11
11G0216-01RE1 [SG-1]	B033691	1.5	1	N/A	1000	400	30	07/13/11
11G0216-02 [SG-2]	B033691	1	1	N/A	1000	400	200	07/13/11
11G0216-02RE1 [SG-2]	B033691	1	1	N/A	1000	400	20	07/13/11
11G0216-03 [SG-3]	B033691	1	1	N/A	1000	400	200	07/13/11
11G0216-03RE1 [SG-3]	B033691	1	1	N/A	1000	400	20	07/13/11

QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv		ug/m3		Spike Level	Source	%REC	RPD	RPD	Flag
	Results	RL	Results	RL	ppbv	Result	Limits	RPD	Limit	

Batch B033691 - TO-15 Prep

Blank (B033691-BLK1)

Prepared & Analyzed: 07/13/11

Acetone	ND	0.25
Benzene	ND	0.025
Benzyl chloride	ND	0.025
Bromodichloromethane	ND	0.025
Bromoform	ND	0.025
Bromomethane	ND	0.025
1,3-Butadiene	ND	0.025
2-Butanone (MEK)	ND	0.025
Carbon Disulfide	ND	0.025
Carbon Tetrachloride	ND	0.025
Chlorobenzene	ND	0.025
Chloroethane	ND	0.025
Chloroform	ND	0.025
Chloromethane	ND	0.025
Cyclohexane	ND	0.025
Dibromochloromethane	ND	0.025
1,2-Dibromoethane (EDB)	ND	0.025
1,2-Dichlorobenzene	ND	0.025
1,3-Dichlorobenzene	ND	0.025
1,4-Dichlorobenzene	ND	0.025
Dichlorodifluoromethane (Freon 12)	ND	0.025
1,1-Dichloroethane	ND	0.025
1,2-Dichloroethane	ND	0.025
1,1-Dichloroethylene	ND	0.025
cis-1,2-Dichloroethylene	ND	0.025
trans-1,2-Dichloroethylene	ND	0.025
1,2-Dichloropropane	ND	0.025
cis-1,3-Dichloropropene	ND	0.025
trans-1,3-Dichloropropene	ND	0.025
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.025
Ethanol	ND	0.25
Ethyl Acetate	ND	0.025
Ethylbenzene	ND	0.025
4-Ethyltoluene	ND	0.025
Heptane	ND	0.025
Hexachlorobutadiene	ND	0.025
Hexane	ND	0.025
2-Hexanone (MBK)	ND	0.025
Isopropanol	ND	0.025
Methyl tert-Butyl Ether (MTBE)	ND	0.025
Methylene Chloride	ND	0.050
4-Methyl-2-pentanone (MIBK)	ND	0.025
Propene	ND	0.25
Styrene	ND	0.025
1,1,2,2-Tetrachloroethane	ND	0.025
Tetrachloroethylene	ND	0.025

QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv		ug/m3		Spike Level	Source	%REC	%REC	RPD	RPD	Flag
	Results	RL	Results	RL	ppbv	Result	Limits	RPD	Limit		

Batch B033691 - TO-15 Prep

Blank (B033691-BLK1)

Prepared & Analyzed: 07/13/11

Tetrahydrofuran	ND	0.025
Toluene	ND	0.025
1,2,4-Trichlorobenzene	ND	0.025
1,1,1-Trichloroethane	ND	0.025
1,1,2-Trichloroethane	ND	0.025
Trichloroethylene	ND	0.025
Trichlorofluoromethane (Freon 11)	ND	0.025
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.025
1,2,4-Trimethylbenzene	ND	0.025
1,3,5-Trimethylbenzene	ND	0.025
Vinyl Acetate	ND	0.025
Vinyl Chloride	ND	0.025
m&p-Xylene	ND	0.050
o-Xylene	ND	0.025

Surrogate: 4-Bromofluorobenzene (1) 8.60 8.00 108 70-130

LCS (B033691-BS1)

Prepared & Analyzed: 07/13/11

Acetone	5.57	5.00	111	50-150
Benzene	4.49	5.00	89.7	70-130
Benzyl chloride	4.95	5.00	99.1	70-130
Bromodichloromethane	4.91	5.00	98.1	70-130
Bromoform	5.70	5.00	114	70-130
Bromomethane	5.36	5.00	107	70-130
1,3-Butadiene	4.63	5.00	92.7	70-130
2-Butanone (MEK)	4.33	5.00	86.6	70-130
Carbon Disulfide	4.68	5.00	93.7	70-130
Carbon Tetrachloride	4.99	5.00	99.8	70-130
Chlorobenzene	4.84	5.00	96.7	70-130
Chloroethane	4.76	5.00	95.2	70-130
Chloroform	5.29	5.00	106	70-130
Chloromethane	4.66	5.00	93.2	70-130
Cyclohexane	4.32	5.00	86.3	50-150
Dibromochloromethane	5.30	5.00	106	70-130
1,2-Dibromoethane (EDB)	4.97	5.00	99.4	70-130
1,2-Dichlorobenzene	5.42	5.00	108	70-130
1,3-Dichlorobenzene	5.37	5.00	107	70-130
1,4-Dichlorobenzene	5.38	5.00	108	70-130
Dichlorodifluoromethane (Freon 12)	5.74	5.00	115	70-130
1,1-Dichloroethane	4.92	5.00	98.3	70-130
1,2-Dichloroethane	5.27	5.00	105	70-130
1,1-Dichloroethylene	4.85	5.00	97.0	70-130
cis-1,2-Dichloroethylene	4.98	5.00	99.5	70-130
trans-1,2-Dichloroethylene	5.08	5.00	102	70-130
1,2-Dichloropropane	4.23	5.00	84.6	70-130
cis-1,3-Dichloropropene	4.94	5.00	98.7	70-130
trans-1,3-Dichloropropene	4.35	5.00	87.0	70-130

QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv		ug/m3		Spike Level	Source	%REC	%REC	RPD	RPD	Flag
	Results	RL	Results	RL	ppbv	Result	Limits	RPD	Limit		
Batch B033691 - TO-15 Prep											
LCS (B033691-BS1)						Prepared & Analyzed: 07/13/11					
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	5.16				5.00		103	70-130			
Ethanol	3.70				5.00		74.1	50-150			
Ethyl Acetate	4.34				5.00		86.7	50-150			
Ethylbenzene	4.71				5.00		94.3	70-130			
4-Ethyltoluene	4.81				5.00		96.2	50-150			
Heptane	4.20				5.00		83.9	50-150			
Hexachlorobutadiene	5.84				5.00		117	70-130			
Hexane	4.29				5.00		85.7	70-130			
2-Hexanone (MBK)	3.60				5.00		71.9	50-150			
Isopropanol	3.52				5.00		70.5	50-150			
Methyl tert-Butyl Ether (MTBE)	5.13				5.00		103	70-130			
Methylene Chloride	4.22				5.00		84.5	70-130			
4-Methyl-2-pentanone (MIBK)	4.23				5.00		84.7	70-130			
Propene	5.06				5.00		101	50-150			
Styrene	4.58				5.00		91.5	70-130			
1,1,2,2-Tetrachloroethane	4.85				5.00		96.9	70-130			
Tetrachloroethylene	5.19				5.00		104	70-130			
Tetrahydrofuran	4.34				5.00		86.7	50-150			
Toluene	4.64				5.00		92.8	70-130			
1,2,4-Trichlorobenzene	6.38				5.00		128	70-130			
1,1,1-Trichloroethane	4.88				5.00		97.5	70-130			
1,1,2-Trichloroethane	4.85				5.00		97.0	70-130			
Trichloroethylene	4.68				5.00		93.6	70-130			
Trichlorofluoromethane (Freon 11)	5.62				5.00		112	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	5.11				5.00		102	70-130			
1,2,4-Trimethylbenzene	4.91				5.00		98.1	70-130			
1,3,5-Trimethylbenzene	4.89				5.00		97.9	70-130			
Vinyl Acetate	4.01				5.00		80.3	70-130			
Vinyl Chloride	4.94				5.00		98.9	70-130			
m&p-Xylene	9.72				10.0		97.2	70-130			
o-Xylene	4.73				5.00		94.5	70-130			
<i>Surrogate: 4-Bromofluorobenzene (1)</i>	<i>8.66</i>				<i>8.00</i>		<i>108</i>	<i>70-130</i>			

FLAG/QUALIFIER SUMMARY

- * QC result is outside of established limits.
 - † Wide recovery limits established for difficult compound.
 - ‡ Wide RPD limits established for difficult compound.
 - # Data exceeded client recommended or regulatory level
- Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
- V-20 Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

INTERNAL STANDARD AREA AND RT SUMMARY

EPA TO-15

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (S000856-CCV1)									
			Lab File ID: F071303.D			Analyzed: 07/13/11 13:09			
Bromochloromethane (1)	199103	8.592	228536	8.592	87	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	684441	10.345	684560	10.345	100	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	607814	14.689	610110	14.697	100	60 - 140	-0.0080	+/-0.50	
LCS (B033691-BS1)									
			Lab File ID: F071304.D			Analyzed: 07/13/11 13:49			
Bromochloromethane (1)	207487	8.592	199103	8.592	104	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	701357	10.345	684441	10.345	102	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	641552	14.689	607814	14.689	106	60 - 140	0.0000	+/-0.50	
Blank (B033691-BLK1)									
			Lab File ID: F071306.D			Analyzed: 07/13/11 15:12			
Bromochloromethane (1)	210566	8.585	199103	8.592	106	60 - 140	-0.0070	+/-0.50	
1,4-Difluorobenzene (1)	712617	10.33	684441	10.345	104	60 - 140	-0.0150	+/-0.50	
Chlorobenzene-d5 (1)	656481	14.682	607814	14.689	108	60 - 140	-0.0070	+/-0.50	
SG-1 (11G0216-01RE1)									
			Lab File ID: F071315.D			Analyzed: 07/13/11 22:17			
Bromochloromethane (1)	193336	8.6	199103	8.592	97	60 - 140	0.0080	+/-0.50	
1,4-Difluorobenzene (1)	688656	10.345	684441	10.345	101	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	638305	14.682	607814	14.689	105	60 - 140	-0.0070	+/-0.50	
SG-1 (11G0216-01)									
			Lab File ID: F071316.D			Analyzed: 07/13/11 22:56			
Bromochloromethane (1)	199119	8.6	199103	8.592	100	60 - 140	0.0080	+/-0.50	
1,4-Difluorobenzene (1)	708300	10.345	684441	10.345	103	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	649685	14.689	607814	14.689	107	60 - 140	0.0000	+/-0.50	
SG-2 (11G0216-02RE1)									
			Lab File ID: F071317.D			Analyzed: 07/13/11 23:34			
Bromochloromethane (1)	198318	8.6	199103	8.592	100	60 - 140	0.0080	+/-0.50	
1,4-Difluorobenzene (1)	709959	10.345	684441	10.345	104	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	641345	14.682	607814	14.689	106	60 - 140	-0.0070	+/-0.50	
SG-2 (11G0216-02)									
			Lab File ID: F071318.D			Analyzed: 07/14/11 00:13			
Bromochloromethane (1)	196148	8.6	199103	8.592	99	60 - 140	0.0080	+/-0.50	
1,4-Difluorobenzene (1)	698675	10.338	684441	10.345	102	60 - 140	-0.0070	+/-0.50	
Chlorobenzene-d5 (1)	645922	14.682	607814	14.689	106	60 - 140	-0.0070	+/-0.50	
SG-3 (11G0216-03RE1)									
			Lab File ID: F071319.D			Analyzed: 07/14/11 00:51			
Bromochloromethane (1)	198231	8.585	199103	8.592	100	60 - 140	-0.0070	+/-0.50	
1,4-Difluorobenzene (1)	716001	10.338	684441	10.345	105	60 - 140	-0.0070	+/-0.50	
Chlorobenzene-d5 (1)	650103	14.682	607814	14.689	107	60 - 140	-0.0070	+/-0.50	
SG-3 (11G0216-03)									
			Lab File ID: F071320.D			Analyzed: 07/14/11 01:29			
Bromochloromethane (1)	194614	8.592	199103	8.592	98	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	707354	10.338	684441	10.345	103	60 - 140	-0.0070	+/-0.50	
Chlorobenzene-d5 (1)	639472	14.682	607814	14.689	105	60 - 140	-0.0070	+/-0.50	

CONTINUING CALIBRATION CHECK

EPA TO-15

S000856-CCV1

COMPOUND	TYPE	CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	5.00	7.22	0.9572932	1.383204	0.05	44.5	50
Benzene	A	5.00	4.83	0.7445976	0.7192906	0.05	-3.4	30
Benzyl chloride	A	5.00	5.68	1.039369	1.180893	0.05	13.6	30
Bromodichloromethane	A	5.00	5.26	0.5037588	0.5300746	0.05	5.2	30
Bromoform	A	5.00	6.53	0.5202506	0.6793605	0.05	30.6	30 *
Bromomethane	A	5.00	5.82	0.6800857	0.7919037	0.05	16.4	30
1,3-Butadiene	A	5.00	5.13	0.5168669	0.5304591	0.05	2.6	30
2-Butanone (MEK)	A	5.00	5.02	1.442287	1.448505	0.05	0.4	30
Carbon Disulfide	A	5.00	5.55	1.990114	2.207902	0.05	10.9	30
Carbon Tetrachloride	A	5.00	5.34	0.4616211	0.4930038	0.05	6.8	30
Chlorobenzene	A	5.00	5.40	0.7711919	0.832502	0.05	8.0	30
Chloroethane	A	5.00	5.42	0.3673746	0.398443	0.05	8.5	30
Chloroform	A	5.00	5.83	1.424879	1.660905	0.05	16.6	30
Chloromethane	A	5.00	5.11	0.6045946	0.6181645	0.05	2.2	30
Cyclohexane	A	5.00	4.66	0.3404812	0.3175871	0.05	-6.7	30
Dibromochloromethane	A	5.00	5.98	0.5565529	0.6657115	0.05	19.6	30
1,2-Dibromoethane (EDB)	A	5.00	5.55	0.5224367	0.579701	0.05	11.0	30
1,2-Dichlorobenzene	A	5.00	6.08	0.7350193	0.8941814	0.05	21.7	30
1,3-Dichlorobenzene	A	5.00	5.98	0.774909	0.9270152	0.05	19.6	30
1,4-Dichlorobenzene	A	5.00	6.07	0.7899202	0.9592829	0.05	21.4	30
Dichlorodifluoromethane (Freon 12)	A	5.00	6.30	1.676061	2.112024	0.05	26.0	30
1,1-Dichloroethane	A	5.00	5.37	1.265918	1.35875	0.05	7.3	30
1,2-Dichloroethane	A	5.00	5.78	0.9102673	1.051765	0.05	15.5	30
1,1-Dichloroethylene	A	5.00	5.58	1.036199	1.156828	0.05	11.6	30
cis-1,2-Dichloroethylene	A	5.00	5.54	0.9291754	1.029979	0.05	10.8	30
trans-1,2-Dichloroethylene	A	5.00	5.53	0.994264	1.09913	0.05	10.5	30
1,2-Dichloropropane	A	5.00	4.60	0.2704444	0.2487893	0.05	-8.0	30
cis-1,3-Dichloropropene	A	5.00	5.05	0.4016621	0.4055046	0.05	1.0	30
trans-1,3-Dichloropropene	A	5.00	5.09	0.4003214	0.4076553	0.05	1.8	30
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 113)	A	5.00	5.84	1.873473	2.189227	0.05	16.9	30
Ethanol	A	5.00	4.80	0.2417121	0.2322979	0.05	-3.9	50
Ethyl Acetate	A	5.00	4.97	0.2271156	0.2258128	0.05	-0.6	50
Ethylbenzene	A	5.00	5.23	1.276998	1.336535	0.05	4.7	30
4-Ethyltoluene	A	5.00	5.47	1.413115	1.546481	0.05	9.4	50
Heptane	A	5.00	4.46	0.2255311	0.2011335	0.05	-10.8	50
Hexachlorobutadiene	A	5.00	6.15	0.4997336	0.6147433	0.05	23.0	30
Hexane	A	5.00	4.70	0.8010376	0.7523423	0.05	-6.1	30
2-Hexanone (MBK)	A	5.00	4.37	0.6180448	0.539931	0.05	-12.6	50

CONTINUING CALIBRATION CHECK

EPA TO-15

S000856-CCV1

COMPOUND	TYPE	CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Isopropanol	A	5.00	4.75	1.280226	1.216536	0.05	-5.0	50
Methyl tert-Butyl Ether (MTBE)	A	5.00	5.62	1.981639	2.227896	0.05	12.4	30
Methylene Chloride	A	5.00	4.95	0.764772	0.7566656	0.05	-1.1	30
4-Methyl-2-pentanone (MIBK)	A	5.00	4.84	0.2259675	0.2185281	0.05	-3.3	30
Propene	A	5.00	5.26	0.4763985	0.501457	0.05	5.3	50
Styrene	A	5.00	4.97	0.7668346	0.76212	0.05	-0.6	30
1,1,2,2-Tetrachloroethane	A	5.00	5.35	0.697533	0.746202	0.05	7.0	30
Tetrachloroethylene	A	5.00	5.78	0.4642605	0.5371512	0.05	15.7	30
Tetrahydrofuran	A	5.00	4.89	0.7981852	0.7808381	0.05	-2.2	50
Toluene	A	5.00	5.14	0.9857128	1.013681	0.05	2.8	30
1,2,4-Trichlorobenzene	A	5.00	6.84	0.5310595	0.7260458	0.05	36.7	30 *
1,1,1-Trichloroethane	A	5.00	5.24	0.4743502	0.4971648	0.05	4.8	30
1,1,2-Trichloroethane	A	5.00	5.31	0.3284759	0.3487435	0.05	6.2	30
Trichloroethylene	A	5.00	5.05	0.3129761	0.3163481	0.05	1.1	30
Trichlorofluoromethane (Freon 11)	A	5.00	6.15	1.706165	2.097495	0.05	22.9	30
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	A	5.00	5.81	1.350825	1.569905	0.05	16.2	30
1,2,4-Trimethylbenzene	A	5.00	5.52	1.153349	1.272674	0.05	10.3	30
1,3,5-Trimethylbenzene	A	5.00	5.45	1.16111	1.265153	0.05	9.0	30
Vinyl Acetate	A	5.00	4.49	2.070403	1.860561	0.05	-10.1	30
Vinyl Chloride	A	5.00	5.47	0.6972394	0.7630222	0.05	9.4	30
m&p-Xylene	A	10.0	10.2	1.024508	1.042724	0.05	1.8	30
o-Xylene	A	5.00	5.26	1.014615	1.067024	0.05	5.2	30

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>EPA TO-15 in Air</i>	
Acetone	AIHA
Benzene	AIHA,FL,NJ,NY
Benzyl chloride	AIHA,FL,NJ,NY
Bromodichloromethane	AIHA,NJ
Bromoform	AIHA,NJ
Bromomethane	AIHA,FL,NJ,NY
1,3-Butadiene	AIHA,NJ
2-Butanone (MEK)	AIHA,FL,NJ,NY
Carbon Disulfide	AIHA,NJ
Carbon Tetrachloride	AIHA,FL,NJ,NY
Chlorobenzene	AIHA,FL,NJ,NY
Chloroethane	AIHA,FL,NJ,NY
Chloroform	AIHA,FL,NJ,NY
Chloromethane	AIHA,FL,NJ,NY
Cyclohexane	AIHA,NJ
Dibromochloromethane	AIHA
1,2-Dibromoethane (EDB)	AIHA,NJ
1,2-Dichlorobenzene	AIHA,FL,NJ,NY
1,3-Dichlorobenzene	AIHA,NJ
1,4-Dichlorobenzene	AIHA,FL,NJ,NY
Dichlorodifluoromethane (Freon 12)	AIHA
1,1-Dichloroethane	AIHA,FL,NJ,NY
1,2-Dichloroethane	AIHA,FL,NJ,NY
1,1-Dichloroethylene	AIHA,FL,NJ,NY
cis-1,2-Dichloroethylene	AIHA,FL,NY
trans-1,2-Dichloroethylene	AIHA,NJ,NY
1,2-Dichloropropane	AIHA,FL,NJ,NY
cis-1,3-Dichloropropene	AIHA,FL,NJ,NY
trans-1,3-Dichloropropene	AIHA
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	AIHA,NJ
Ethanol	AIHA
Ethyl Acetate	AIHA
Ethylbenzene	AIHA,FL,NJ,NY
4-Ethyltoluene	AIHA,NJ
Heptane	AIHA,NJ,NY
Hexachlorobutadiene	AIHA,NJ,NY
Hexane	AIHA,FL,NJ,NY
2-Hexanone (MBK)	AIHA
Isopropanol	AIHA,NY
Methyl tert-Butyl Ether (MTBE)	AIHA,FL,NJ,NY
Methylene Chloride	AIHA,FL,NJ,NY
4-Methyl-2-pentanone (MIBK)	AIHA,FL,NJ,NY
Propene	AIHA
Styrene	AIHA,FL,NJ,NY
1,1,2,2-Tetrachloroethane	AIHA,FL,NJ,NY
Tetrachloroethylene	AIHA,FL,NJ,NY
Tetrahydrofuran	AIHA

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>EPA TO-15 in Air</i>	
Toluene	AIHA,FL,NJ,NY
1,2,4-Trichlorobenzene	AIHA,NJ,NY
1,1,1-Trichloroethane	AIHA,FL,NJ,NY
1,1,2-Trichloroethane	AIHA,FL,NJ,NY
Trichloroethylene	AIHA,FL,NJ,NY
Trichlorofluoromethane (Freon 11)	AIHA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	AIHA,NJ,NY
1,2,4-Trimethylbenzene	AIHA,NJ
1,3,5-Trimethylbenzene	AIHA,NJ
Vinyl Acetate	AIHA,FL,NJ,NY
Vinyl Chloride	AIHA,FL,NJ,NY
m&p-Xylene	AIHA,FL,NJ,NY
o-Xylene	AIHA,FL,NJ,NY

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	American Industrial Hygiene Association	100033	01/1/2012
MA	Massachusetts DEP	M-MA100	06/30/2012
CT	Connecticut Department of Public Health	PH-0567	09/30/2011
NY	New York State Department of Health	10899 NELAP	04/1/2012
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2012
RI	Rhode Island Department of Health	LAO00112	12/30/2011
NC	North Carolina Div. of Water Quality	652	12/31/2011
NJ	New Jersey DEP	MA007 NELAP	06/30/2012
FL	Florida Department of Health	E871027 NELAP	06/30/2012
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2011
WA	State of Washington Department of Ecology	C2065	02/23/2012
ME	State of Maine	2011028	06/9/2013



Phone: 413-525-2332
 Fax: 413-525-6405
 Email: info@contestlabs.com
 www.contestlabs.com

REC'D
 1160216

AIR SAMPLE CHAIN OF CUSTODY
 39 SPRUCE ST
 EAST LONGMEADOW, MA 01028

Page 1 of 1
 Doc# 284
 Rev. July 2010

Company Name: Laurel Environmental Assoc, Ltd

Address: 53 West Hills Rd
 Huntington Station, NY 11746

Attention: Scott Yanuck

Project Location: 67 Brighton 1st Lane, Brooklyn

Sampled By: Scott Yanuck

Proposal Provided? (For Billing purposes)
 yes proposal date

Telephone: (631) 673-0612

Project #: 11-256

Client PO #

DATA DELIVERY (check one):
 FAX EMAIL WEBSITE CLIENT

Fax #: _____
 Email: labresults@laurelenv.com

Format: EXCEL PDF GIS KEY OTHER

ONLY USE WHEN USING PUMPS

Field ID	Sample Description	Media	Lab #	Date Sampled		Total	Flow Rate	Volume	Matrix Code*	TO-15
				Start Time	Stop Time					
001	SG-1	S	01	7/8/2011 11:27	7/8/2011 13:27				SG	✓
002	SG-2	S	02	7/8/2011 9:21	7/8/2011 11:17				SG	✓
003	SG-3	S	03	7/8/2011 9:40	7/8/2011 11:49				SG	✓

CLIENT COMMENTS:

Relinquished by: (signature) [Signature]
 Date/Time: 7/8/11 5:30 PM

Received by: (signature) [Signature]
 Date/Time: 7/11/11 12:19

Relinquished by: (signature) [Signature]
 Date/Time:

Received by: (signature)
 Date/Time:

Turnaround **
 7-Day
 10-Day
 Other _____
 RUSH *
 *24-Hr *48-Hr
 *72-Hr *4-Day

Special Requirements
 Regulations: NYSDEC ASP-B
 Data Enhancement/RCP? Y N
 Enhanced Data Package Y N
 (Surcharge Applies)
 Required Detection Limits: NYSDOH
 Other: _____

*Matrix Code:
 SG= SOIL GAS
 IA= INDOOR AIR
 AMB= AMBIENT
 SS= SUB SLAB
 D= DUP
 BL= BLANK
 O= other

**Media Codes:
 S= summa can
 T= tediard bag
 P= PUF
 T= tube
 F= filter
 C= cassette
 O= Other

** TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.
 AIHA, NELAP & WBE/DBE Certified



United States

N

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Tracking Number



[Log-In](#) for additional tracking details.

Tracking Detail

1Z89120W9094532235

Delivered

Delivered On:

Monday, 07/11/2011 at 12:19 P.M.

[Request Status Updates](#)

Left At:

Front Desk

Signed By:

BLAKE

[Proof of Delivery](#)

Additional Information

Type:

Package

Weight:

32.00 lbs

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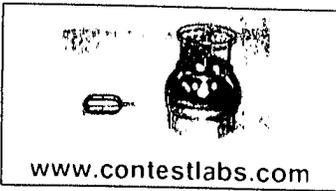
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39 Spruce St.
 East Longmeadow, MA.
 01028
 P: 413-525-2332
 F: 413-525-6405

AIR Only Receipt Checklist

CLIENT NAME: Laurel Env RECEIVED BY: PB DATE: 7-11-11

- 1) Was the chain(s) of custody relinquished and signed? Yes No
- 2) Does the chain agree with the samples?
 If not, explain: Yes No
- 3) Are all the samples in good condition?
 If not, explain: Yes No
- 4) Are there any samples "On Hold"? Yes No Stored where:
- 5) Are there any RUSH or SHORT HOLDING TIME samples?
 Who was notified _____ Date _____ Time _____ Yes No

6) Location where samples are stored: Air Lab
 Permission to subcontract samples? Yes No
 (Walk-in clients only) if not already approved
 Client Signature: _____

Air Media received at Con-Test			
			# of Containers
Air Sampling Media	Summa Cans	4	6 lit
	Tedlar Bags		
	Tubes		
Flow Controllers	Regulators	2	2 hr
	Restrictors		
Extras	Tubing		
	Other		

Unused Summas:

Unused Regulators:

- 1) Was all media (used & unused checked into the WASP?
- 2) Were all returned summa cans, Restrictors, & Regulators documented as returned in the Air Lab Inbound/Outbound Excel Spreadsheet?

Laboratory Comments:
UPS # 12 891 20W 90 9453 2235 | 3008 1473
3041 1258
1239
1107



Air Sampling Media Certificate of Analysis

Date Analyzed: 4/26/2011 **Batch #:** 11B0166

Certification Type: *Batch Certified* *Individual Certified*

Media Type: *Summa Canister* *Flow Controllers*

Media IDs: BC1473 _____

Note: Two ID's grouped together, for example BC2136/BC3145, represents matched pairs of certified summa canisters and flow controllers.

Units: PPBv

<0.20	Propene	<0.40	Vinyl acetate	<0.02	Dibromchloromethane
<0.02	Dichlorodifluoromethane	<0.04	Hexane	<0.02	1,2-Dibromomethane
<0.02	Chloromethane	<0.02	Ethyl acetate	<0.02	Tetrachloroethylene
<0.02	Freon 114	<0.02	Chloroform	<0.02	Chlorobenzene
<0.02	Vinyl chloride	<0.02	Tetrahydrofuran	<0.02	Ethylbenzene
<0.02	1,3-Butadiene	<0.02	1,2-Dichloroethane	<0.04	m,p-Xylenes
<0.02	Bromomethane	<0.02	1,1,1-Trichloroethane	<0.02	Bromoform
<0.02	Chloroethane	<0.02	Benzene	<0.02	Styrene
<0.20	Acrolein	<0.02	Carbon Tetrachloride	<0.02	o-Xylene
<0.40	Acetone	<0.02	Cyclohexane	<0.02	1,1,1,2,2-Tetrachloroethane
<0.02	Trichlorofluoromethane	<0.02	1,2-Dichloropropane	<0.02	4-Ethyltoluene
<0.40	Ethanol	<0.02	Bromodichloromethane	<0.02	1,3,5-Trimethylbenzene
<0.02	1,1-Dichloroethylene	<0.02	Trichloroethylene	<0.02	1,2,4-Trimethylbenzene
0.06	Methylene chloride	<0.02	1,4-Dioxane	<0.02	1,3-Dichlorobenzene
<0.02	Freon 113	<0.02	Methylmethacrylate	<0.02	Benzyl chloride
<0.02	Carbon disulfide	<0.02	Heptane	<0.02	1,4-Dichlorobenzene
<0.02	t-1,2-Dichloroethylene	<0.02	MIBK	<0.02	1,2-Dichlorobenzene
<0.02	1,1-Dichloroethane	<0.02	c-1,3-Dichloropropylene	<0.02	1,2,4-Trichlorobenzene
<0.02	MTBE	<0.02	t-1,3-Dichloropropylene	<0.02	Naphthalene
<0.20	IPA	<0.02	1,1,2-Trichloroethylene	<0.02	Hexachlorobutadiene
<0.40	2-Butanone (MEK)	<0.02	Toluene		
<0.02	c-1,2-Dichloroethylene	<0.02	2-Hexanone (MBK)		

Special Notes: _____

Analyst Initials/Date: TPH 7/15/11



Air Sampling Media Certificate of Analysis

Date Analyzed: 6/30/2011 **Batch #:** 11B0232

Certification Type: *Batch Certified* *Individual Certified*

Media Type: *Summa Canister* *Flow Controllers*

Media IDs: BC1258 BC1239 _____

Note: Two ID's grouped together, for example BC2136/BC3145, represents matched pairs of certified summa canisters and flow controllers.

Units: PPBv

<0.20	Propene	<0.40	Vinyl acetate	<0.02	Dibromchloromethane
<0.02	Dichlorodifluoromethane	<0.04	Hexane	<0.02	1,2-Dibromomethane
<0.02	Chloromethane	<0.02	Ethyl acetate	<0.02	Tetrachloroethylene
<0.02	Freon 114	<0.02	Chloroform	<0.02	Chlorobenzene
<0.02	Vinyl chloride	<0.02	Tetrahydrofuran	<0.02	Ethylbenzene
<0.02	1,3-Butadiene	<0.02	1,2-Dichloroethane	<0.04	m,p-Xylenes
<0.02	Bromomethane	<0.02	1,1,1-Trichloroethane	<0.02	Bromoform
<0.02	Chloroethane	<0.02	Benzene	<0.02	Styrene
<0.20	Acrolein	<0.02	Carbon Tetrachloride	<0.02	o-Xylene
0.47	Acetone	<0.02	Cyclohexane	<0.02	1,1,1,2,2-Tetrachloroethane
<0.02	Trichlorofluoromethane	<0.02	1,2-Dichloropropane	<0.02	4-Ethyltoluene
<0.40	Ethanol	<0.02	Bromodichloromethane	<0.02	1,3,5-Trimethylbenzene
<0.02	1,1-Dichloroethylene	<0.02	Trichloroethylene	<0.02	1,2,4-Trimethylbenzene
<0.04	Methylene chloride	<0.02	1,4-Dioxane	<0.02	1,3-Dichlorobenzene
0.07	Freon 113	<0.02	Methylmethacrylate	<0.02	Benzyl chloride
<0.02	Carbon disulfide	<0.02	Heptane	<0.02	1,4-Dichlorobenzene
<0.02	t-1,2-Dichloroethylene	<0.02	MIBK	<0.02	1,2-Dichlorobenzene
<0.02	1,1-Dichloroethane	<0.02	c-1,3-Dichloropropylene	<0.02	1,2,4-Trichlorobenzene
<0.02	MTBE	<0.02	t-1,3-Dichloropropylene	<0.02	Naphthalene
<0.20	IPA	<0.02	1,1,2-Trichloroethylene	<0.02	Hexachlorobutadiene
<0.40	2-Butanone (MEK)	<0.02	Toluene		
<0.02	c-1,2-Dichloroethylene	<0.02	2-Hexanone (MBK)		

Special Notes: _____

Analyst Initials/Date: TPH 7/15/11