25-11 & 25-17 38TH AVENUE

QUEENS, NEW YORK

Remedial Investigation Report

NYC VCP Site Number: 14CVCP251Q

NYC E-Designation Site Number: 14HAZ313Q

Prepared for:

TAMARES DEVELOPMENT I, LLC
1500 Broadway 24th Floor
New York, NY 10036

For Site located at 25-11 & 25-17 38th Avenue
Borough of Queens
Long Island City, NY 11101

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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 VCP	New York City Voluntary Cleanup Program
NYC DOHMH	New York City Department of Health and Mental Hygiene
NYC OER	New York City Office of Environmental Remediation
NYS DOH ELAP	New York State Department of Health Environmental Laboratory Accreditation Program
OSHA	Occupational Safety and Health Administration
PID	Photoionization Detector
QEP	Qualified Environmental Professional
RI	Remedial Investigation
RIR	Remedial Investigation Report
SCO	Soil Cleanup Objective
SPEED	Searchable Property Environmental Electronic Database

CERTIFICATION

I, Richard Galli, 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 Site 25-11 and 25-17 38th Avenue, (NYC VCP Site No.XXXX and OER Project No. 14HAZ313Q). 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.

Richard D. Galli, P.E. 4-29-14

Qualified Environmental Professional Date Signature

EXECUTIVE SUMMARY

This 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 25-11 and 25-17 38th Avenue in the Long Island City section in Queens, New York and is identified as Block 368, Lots 34 and 36 on the New York City Tax Map. Figure 1 shows the Site location. The Site measures 7,450 square feet and is bounded by Crescent Street to the northwest, 38th Avenue to the southwest, 27th Street to the southeast, and 37th Avenue to the northeast. A map of the site boundary is shown in Figure 1. Currently, the Site is used as a 2-story residential building and a 1-story commercial building which is partially vacant. Lot 34 (which is the northeast corner of the Site) is a 1-story commercial building occupying the entire lot is currently used as an auto repair shop. Lot 36 is improved with a 2-story residential building occupying the majority of Lot 36. The remainder of the lot is occupied by a concrete patio.

Summary of Proposed Redevelopment Plan

The proposed development project consists of a new 7-story building with a cellar. The cellar will include a parking lot, a gym, storage rooms and mechanical rooms. The building will consist of mixed use with a light manufacturing office that will cover the ground floor and residential space for the remaining upper six floors. The building will occupy the entire site and have no setback elements. The building will also include a full cellar with no grade-level open space areas. There will be a private terrace on the 2nd and 6th floors only.

Depth of excavation will range from 14-16 feet. Excavation for the elevator pit will be at 16-18 feet. Footings, a basement slab, and elevator vaults will be part of construction. As part of development, the referenced lot(s) are tentatively expected to be consolidated into a single lot.

Summary of Past Uses of Site and Areas of Concern

Lot 34 was mixed use residential and commercial prior to redevelopment as a commercial property around 1968. According to NYC Department of Building (NYCDOB)

records for that year; the building use is identified as a sheet metal factory. In 1983 the building use is identified as a motor vehicle repair shop including body and fender work, paint spraying and oxy-acetylene welding. Additional uses are identified as a machinery rental and repair establishment and automobile sales lot. The City Directory listings for 25-17 38th Ave. indicate that from 1962 to at least 1991 the building was occupied by various commercial uses such as a crating and delivery company, steel equipment company, contractors and an environmental firm. From at least 2000 to 2012 MJ Ecua Auto Repair/Picasso Auto Repair occupied the building. The northeast corner of the building is identified as 37-38 27th St. and was part of the steel equipment company until at least 1976. In 1983 this portion of the building was occupied by an auto body shop and from at least 1991 to 2012 by G&T Service Station, also an auto body shop.

Lot 36 was initially developed with a store from 1898 to 1970 when it was replaced with a dwelling. The property has remained a dwelling since that time. The City Directory listings for 25-11 38th Ave. indicate that the property was residential in 1934 and occupied by Blue Jay Printing Co. from 1962 to at least 1983. From 2005 to 2007 the site was occupied by H&D Maintenance Contracting Co.

Summary of the Work Performed under the Remedial Investigation

Galli Engineering, PC performed the following scope of work:

1. Conducted a Site inspection to identify AOCs and physical obstructions (i.e. structures, buildings, etc.);
2. Installed eight (8) soil borings across the entire Site, and collected 14 soil samples for chemical analysis from the soil borings to evaluate soil quality;
3. Installed one (1) temporary groundwater well to evaluate groundwater quality;
4. Installed four (4) soil vapor probes around the Site perimeter and collected four samples for chemical analysis;

Summary of Environmental Findings

1. Elevation of the property is 41 feet above mean sea level.
2. Depth to groundwater ranges from 39 to 43 feet bgs at the Site.
3. Groundwater flow is generally southwest beneath the Site towards the East River.
4. Depth to bedrock is approximately 45 feet at the Site.

5. The stratigraphy of the site, from the surface down, includes five feet of coarse sands underlain by ten feet of fine sands.

6. Laboratory results were compared to NYSDEC Unrestricted Use Soil Cleanup Objectives and Restricted Residential Use Soil Cleanup Objectives as presented in 6NYCRR Part 375-6.8 and CP51. One VOC, tetrachloroethene (11 µg/Kg), was found well below Unrestricted Use SCOs. Eight SVOCs, including benz(a)anthracene (maximum of 31,000 µg/Kg), benzo(a)pyrene (maximum of 25,000 µg/Kg), benzo(b)fluoranthene (maximum of 31,000 µg/Kg), benzo(k)fluoranthene (maximum of 9,800 µg/Kg) chrysene (maximum of 32,000 µg/Kg), dibenz(a,h)anthracene (maximum of 370 µg/Kg), indeno(1,2,3-cd)pyrene (maximum of 13,000 µg/Kg), and phenanthrene (maximum 130,000 µg/Kg) were detected above Restricted Residential Use SCOs in all shallow soil samples. Metals including chromium (maximum of 26 mg/Kg), copper (maximum of 61.2 mg/Kg), lead (maximum of 393 mg/Kg), mercury (maximum of 0.41 mg/Kg), and zinc (maximum of 264 mg/Kg) were detected above Unrestricted Use SCOs. Chromium was also detected above Unrestricted Use SCOs within one of the deep samples. None of metals exceeded Restricted Residential Use SCOs. One PCB, PCB 1260 (maximum of 190 µg/Kg) was detected above Unrestricted Use SCOs. Three pesticides 4,4'-DDD (max. of 18 ppb); 4,4'-DDE (max. of 4.3 ppb); and 4,4'-DDT (max. of 9 ppb) were detected above Unrestricted Use SCOs in shallow soil samples. Dieldrin at 11 ppb was also detected in one soil sample. Overall, the soil chemistry is unremarkable and does not indicate any disposal situation.

7. Groundwater samples were compared to New York State 6NYCRR Part 703.5 Class GA Groundwater Quality Standards (GQS). Groundwater collected during the RI showed no detectable concentrations of PCBs. One VOC, chloroform (maximum of 8.3µg/L) was detected above its respective GQS. Four SVOCs, including benzo(a)anthracene (maximum of 0.1 µg/L), benzo(a)pyrene (maximum of 0.05 µg/L), benzo-(b)fluoranthene (maximum of 0.9 µg/L), and chrysene (maximum of 0.11 µg/L), were detected above GQS. One pesticide, dieldrin (maximum of 0.22 µg/L), was detected above GQS. Several metals were present in groundwater, but only aluminum, iron, manganese, and sodium exceeded their respective GQSs.

8. Soil vapor samples collected during the RI indicated petroleum related VOCs were present at moderate concentrations and chlorinated VOCs were present at low

concentrations. Petroleum-related VOCs (BTEX) were detected in range from 27 to 396 $\mu g/m^3$. Overall the highest reported concentrations were for acetone (maximum of 536 $\mu g/m^3$), propylene (maximum of 42.8 $\mu g/m^3$) and ethanol (maximum of 582 $\mu g/m^3$). Chlorinated VOCs, 1,1,1-Trichloroethylene was not detected in any of the four soil gas samples. Carbon Tetrachloride was detected in all four gas samples at a maximum concentration of 0.692 $\mu g/m^3$. Tetrachloroethylene was detected all four soil gas samples and ranged in concentration from 1.22 to 16.4 $\mu g/m^3$. Trichloroethylene was detected in two of the soil gas samples at a maximum concentration of 1.5 $\mu g/m^3$. All chlorinated VOC concentrations are below the monitoring level ranges established within the NYSDOH Final Guidance on Soil Vapor Intrusion.

REMEDIAL INVESTIGATION REPORT

1.0 SITE BACKGROUND

Tamares Development I, LLC has enrolled in the New York City Voluntary Cleanup Program (NYC VCP) to investigate and remediate a 0.171-acre site located at 25-11 and 25-17 38th Avenue in the Long Island City section of Queens, New York. Mixed residential and light manufacturing use is proposed for the property. The RI work was performed in accordance with the Remedial Investigation Work Plan submitted December 24, 2013 and approved by NYC OER on January 7, 2014 and was conducted between June 2013 and March 2014. 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 25-11 and 25-17 38th Avenue in the Long Island City section in Queens, New York and is identified as Block 368, Lots 34 and 36 on the New York City Tax Map. Figure 1 shows the Site location. The Site measures 7,450 square feet and is bounded by Crescent Street to the northwest, 38th Avenue to the southwest, 27th Street to the southeast, and 37th Avenue to the northeast. A map of the site boundary is shown in the Sampling Locations Plan, Figure 2. Currently, the Site contains a used 2-story residential building and a 1-story commercial building which is partially vacant. Lot 34 (the 1-story building) was previously used as an auto repair shop that occupies the entire lot. Lot 36 is improved with a 2-story residential building that occupies the majority of Lot 36.

1.2 Proposed Redevelopment Plan

The proposed future use of the Site will include a new 7-story building with a cellar. The cellar will include a parking lot, a gym, storage rooms and mechanical rooms. The building will consist of mixed residential and manufacturing, with a light manufacturing office that will cover the ground floor and residential space for the remaining upper six floors. The proposed tentative merged lot will include a building that will occupy the entire site and have no setback elements. The building will also include a cellar with no grade-level open space areas. There will be some private terraces on the 2nd and 6th floors. Depth of excavation will range from 14-16 feet and

have no pile caps. There will be one sample at the location of the elevator pit that will be excavated at approximately 16-18 feet. There will be footings, a basement slab, and elevator vaults. As part of development, the referenced lot(s) are expected to be merged into a tentative lot.

Layout of the proposed site development is presented in the Proposed Site Development Plan, Figure 3. The current zoning designation is M1-2/R6A mixed residential and commercial. The proposed use is consistent with existing zoning for the property.

1.3 Description of Surrounding Property

The surrounding property consists of mostly residential and manufacturing. To the northeast of the Site is Dutch Kills Playground off of 37th Avenue. Across the street from Dutch Kills Playground is the IS 204 school located on 28th Avenue. Southwest of the Site is a Ramada and Four Points Sheraton. Located to the northwest of the Site, along 38th Avenue, property uses include an electrical and elevator supply warehouse, a scooter parts and accessories shop and residential units in the area of Long Island City.

2.0 SITE HISTORY

2.1 Past Uses and Ownership

Information in the EDR report in the Phase I done by Fleming Lee-Shue in May, 2013 shows that Lot 34 was mixed use residential and commercial prior to redevelopment as a commercial property around 1968. According to NYC Department of Building (NYCDOB) records for that year; the building use is identified as a sheet metal factory. In 1983 the building use is identified as a motor vehicle repair shop including body and fender work, paint spraying and oxy-acetylene welding. Additional uses are identified as a machinery rental and repair establishment and automobile sales lot. The City Directory listings for 25-17 38th Ave. indicate that from 1962 to at least 1991 the building was occupied by various commercial uses such as a crating and delivery company, steel equipment company, contractors and an environmental firm. From at least 2000 to 2012 MJ Ecua Auto Repair/Picasso Auto Repair occupied the building. The northeast corner of the building is identified as 37-38 27th St. and was part of the steel equipment company until at least 1976. In 1983 this portion of the building was occupied by an auto body shop and from at least 1991 to 2012 by G&T Service Station, also an auto body shop.

Lot 36 was initially developed with a store from 1898 to 1970 when it was replaced with a dwelling. The property has remained a dwelling since that time. The City Directory listings for 25-11 38th Ave. indicate that the property was residential in 1934 and occupied by Blue Jay Printing Co. from 1962 to at least 1983. From 2005 to 2007 the site was occupied by H&D Maintenance Contracting Co.

A review of the surrounding property listings indicates both commercial and residential uses. Properties to the east, across 27th St., have historically been residential with limited commercial use.

2.2 Previous Investigations

A Phase I was performed by Fleming-Lee Shue (May 2013). Galli Engineering, P.C. conducted a Phase II (June/July, 2013, and a Remedial Investigation in March, 2014). These two investigations were performed in order to satisfy the E-Designation requirements.

The Phase II performed in June/July, 2013, showed an exceedance of Unrestricted Residential Soil Cleanup Objectives in metals including Chromium, Copper, Lead, Mercury and Zinc in soil borings SB-1 (8-10') and SB-2 (1-3'). SVOCs also exceeded Unrestricted Residential Soil Cleanup Objectives including Benz(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Chrysene, Dibenz(a,h)anthracene and Indeno(1,2,3-cd pyrene). These were found in soil borings SB-2 (1-3') and SB-3 (3-5'). The PCB was detected above Unrestricted Soil Cleanup Objectives in SB-3 (3-5'). The one (1) groundwater sample that was taken at SB-2 and screened at 39-43 bgs had exceeded Groundwater Quality Standards (GQS) for metals including Aluminum, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Nickel and Sodium. Lead was detected above GQS at 0.083 mg/L. One VOC, Chloromethane, was above GQS. SVOCs in groundwater exceeded GQS included Benz(a)anthracene, Benzo(b)fluoranthene and Chrysene. One pesticide, Dieldrin, was detected above GQS.

2.3 Site Inspection

A walk through of the site showed some staining on Lot 34 where the vacant auto repair shop used to operate. There was some litter left inside the shop such as empty oil containers lying around. Lot 36 is a vacant 2-story building. There was no stressed vegetation on either lot(s).

2.4 Areas of Concern

E-Designation was placed on lots 34 and 36 due to rezoning. Lot 34 has been used for auto repair operations.

The AOCs identified for this site include:

1. The northeast corner of the commercial building is currently used as an auto repair shop which would be Lot 34. This is where contamination from the storage of chemicals used on automobiles may have occurred.

2. The Site is improved with a 2-story residential building that occupies the majority of Lot 36.

3.0 PROJECT MANAGEMENT

3.1 Project Organization

The Qualified Environmental Professional (QEP) responsible for preparation of this RIR is Richard D. Galli, P.E.

3.2 Health and Safety

All work described in this RIR was performed in full compliance with applicable laws and regulations, including Site and OSHA worker safety requirements and HAZWOPER requirements, and the Site-specific Health and Safety Plan prepared December, 2013 and approved January, 2014.

3.3 Materials Management

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

4.0 REMEDIAL INVESTIGATION ACTIVITIES

Galli Engineering, PC performed the following scope of work:

1. Conducted a Site inspection to identify AOCs and physical obstructions (i.e. structures, buildings, etc.);
2. Installed eight (8) soil borings across the entire Site, and collected 14 soil samples for chemical analysis from the soil borings to evaluate soil quality;
3. Installed one (1) temporary groundwater well to evaluate groundwater quality;
4. Installed four (4) soil vapor probes around the Site perimeter and collected four samples for chemical analysis;

4.1 Soil Borings, Groundwater Well and Soil Vapor Probes

Soil Borings

During the June/July 2013 Phase II, the four soil borings were advanced using a *Geoprobe* 7800 unit to a depth of 20' below the main floor in order to characterize the quality of soil and determine if any contamination exists on site. SB-1, SB-2, SB-3, SB-4, SB-6, and SB-7 were placed on Lot 34. SB-5 and SB-8 were performed on Lot 36. SB-2 was pushed to a depth of approximately 39 feet below land surface and then sampled for soil and groundwater.

During the March 2014 Remedial Investigation, the two soil borings all soil borings (SB-5 SB-6, SB-7 and SB-8) were advanced using a Geoprobe and was pushed to a depth of 16 feet below the main floor of both buildings. Using this method, we were able to characterize the quality of soil and determine if any contamination exists on site.

PID readings ranged from 0.0 ppm to 29.4 ppm in all the soil samples that were taken.

At depths 0-5' the soil observed was historic/urban fill. Beneath this layer was a Light brown to brown medium sand with some rock was observed in soil borings at a depth of 5-10'. At depths 10-16' the soil observed was medium brown in color with fine sand. There were no hydrocarbon odors in any of the soil samples. This was observed in all of the soil samples at the Site.

Groundwater Well

One (1) temporary groundwater well was advanced at the subject property using a decontaminated stainless steel Geoprobe. The screened zone was from 39' to 43' bgs. The

temporary groundwater well was installed in the proximity of where automobile operations existed. After installation, the well was purged out of sediment via dedicated polyethylene tubing with check valve to lift the water to the surface. Groundwater level measurements were taken during temporary monitoring well installation using a Heron oil/water interface meter. Groundwater was reached at approximately 39 feet bgs. An experienced field representative from Galli Engineering, P.C., (Galli) was present to monitor all field activities and collect samples. The groundwater sample location is shown in Figure 2.

Boring logs were prepared by Galli Engineering scientists and are attached in Appendix C. A map showing the location of soil borings and monitor wells is shown in Figure 2.

Soil Vapor

SV-1 and SV-2 were placed at 25-17 38th Avenue on June 20, 2013 using a Geoprobe with dedicated tubing. Both soil vapor sample points were placed sub-slab with the top of the screen slightly below the base of the slab. Additional soil vapor probes were planned to be collected in the northwest corner of the residential basement in this Phase II (SV-3 and SV-4), but due to access restraints these sample points could not be installed at this time. SV-3A and SV-4A were later sampled on July 19, 2013.

After installation of the four soil vapor probes in June/July, two additional soil vapor points were performed. Samples were collected 16 feet below the base of the concrete slab during the March 2014 Phase II as noted in the Remedial Investigation Work Plan. The additional soil vapor points, SV-3 and SV-4, were placed on the property using a Geoprobe with dedicated tubing in March 2014. Both soil vapor sample points were placed three feet below the basement sub-slab at a depth of 16 feet below land surface.

4.2 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 results presented in this RIR provide basis for

evaluation of remedial action alternatives, establishment of a qualitative human health exposure assessment, and selection of a final remedy.

Soil Sampling

Grab soil samples were collected for analysis of volatile organics. The soil samples were placed into clean 8-ounce glass jars fitted with Teflon lined caps using a single-use environmental grade disposable plastic scoop a set of pre weighted methanol filled 40-ml VOA. Each jar was then labeled with designated sample identification, date and time of collection. Each soil sample jar was packed in a secure cooler with ice. New gloves and new scoops were used with each new sample to avoid contamination. Samples were selected for analysis according to the PID readings taken. The samples were cooled to 4º C and were then logged on a chain of custody document by sampling personnel, and remained in the custody of Galli Engineering until transport of the samples to the analytical laboratory via laboratory courier.

A total of fourteen soil samples were collected during the Phase II in June/July 2013 and from the Remedial Investigation in March 2014 for chemical analysis during this RI. In the June/July 2013 Phase II, there was one sample taken from each in SB-1, SB-3 and SB-4. Two samples were taken at SB-2 (1-3') and (37-39'). In the Remedial Investigation in March 2014, a total of nine samples were taken. Two samples at each soil boring were taken except for SB-7, where three samples were taken due to the location of the elevator pit. Data on soil sample collection for chemical analysis, including dates of collection and sample depths, is reported in Table 2. Figure 2 shows the location of samples collected in this investigation. Laboratories and analytical methods are discussed below.

Groundwater Sampling

Dedicated polyethylene tubing with a check valve was utilized to collect the groundwater sample. The well was purged a minimum of three well volumes before sampling. The one sample that was taken was placed into four 1-liter amber colored glass jars, three clear 40-milliliter glass vials, a preserved 250-milliliter plastic container and an unpreserved 250-milliliter plastic container. The groundwater sample was labeled SB2-GW. This sample was analyzed for VOCs by Method 8260, SVOCs by Method 8270, Pesticides/PCBs by Method 8081/8082, TAL Metals by Method 6010/7470 and dissolved TAL metals. This sample was placed in a cooler with ice and was then logged on a chain of custody document by sampling personnel, and remained in the custody of Galli Engineering until transport of the samples to the analytical

laboratory via laboratory courier. The sample for dissolved metals was filtered by the lab. Figure 2 shows the location of groundwater sampling.

Soil Vapor Sampling

Four soil vapor samples were collected from the two lots in the June/July Phase II (from SV-1 and SV-2). These soil vapor samples were collected using 6-liter summa canisters with 24-hour flow controllers. SV-1 was located in the unused portions of the building near SB-2. SV-2 was located in the active repair shop, near SB-4. SV-1 and SV-2 had detected very low levels of Carbon Tetrachloride and Tetrachloroethene and did not detect 1,1,1-Trichloroethane and Trichloroethene.

Two additional soil vapor samples were collected from the property in March 2014. These soil vapor samples were collected with 6-liter summa canisters using 2-hour flow controllers. SV-3 was located in the rear yard of the residential building at the SB-5 location. SV-4 was located in the basement of the residential building at the SB-8 location. In the Remedial Investigation conducted in March 2014, SV-3 and SV-4 found elevated levels of Tetrachloroethene.

Soil vapor sampling locations are shown in Figure 2. Soil vapor sample collection data is reported in Table 4. 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 accordance with the following:

Factor	**Description**
Quality Assurance Officer	The chemical analytical quality assurance is directed by Phyllis Schiller - Laboratory Director
Chemical Analytical Laboratory	Chemical analytical laboratory(s) used in the RI is Phoenix Environmental Laboratories, Inc., a NYS ELAP certified lab for the sample parameters in this investigation.
Chemical Analytical Methods	Soil analytical methods: • TAL Metals by EPA Method 6010C (rev. 2007);

	• VOCs by EPA Method 8260C (rev. 2006); • SVOCs by EPA Method 8270D (rev. 2007); • Pesticides by EPA Method 8081B (rev. 2000); • PCBs by EPA Method 8082A (rev. 2000); Groundwater analytical methods: • TAL Metals by EPA Method 6010C (rev. 2007); • VOCs by EPA Method 8260C (rev. 2006); • SVOCs by EPA Method 8270D (rev. 2007); • Pesticides by EPA Method 8081B (rev. 2000); • PCBs by EPA Method 8082A (rev. 2000); Soil vapor analytical methods: • VOCs by TO-15 VOC parameters.

Results of Chemical Analyses

Laboratory data for soil, groundwater and soil vapor are summarized in Tables 2, 3 and 4, respectively. Laboratory data deliverables for all samples evaluated in this RIR are provided in digital form in Appendices D, E and F.

5.0 ENVIRONMENTAL EVALUATION

5.1 Geological and Hydrogeological Conditions

Stratigraphy

Historic/urban fill was observed at 0-5 feet which was underlain by the types of sand that were recorded in the soil borings. Soil stratigraphy at the site was medium brown sands underlain by fine brown sands and coarse brown sands with gravel from depths 0-20 feet.

In the groundwater sampling point, the stratigraphy at 20-25 feet was observed as sandy silt and medium brown sand. At 26-30 feet was white to light gray with coarse sand and some pebbles. From 31-35 feet, it was a light brown with medium coarse sand and small pebbles. At 36-39 feet, it was a white to light gray with coarse sand and pebbles.

Hydrogeology

Information regarding groundwater was obtained from the "USGS History and Hydrologic Effects of Ground-Water Use in Kings, Queens, and Western Nassau Counties, Long Island, New York, 1800's through 1997", dated 2002. The principal aquifer in Queens is the upper glacial aquifer underlain by the Raritan Formation. Closer to the East River the upper glacial aquifer is underlain by bedrock.

Shallow groundwater flow generally follows topography. Based on the surface topography, it is estimated that the groundwater flow direction in the site area may be similar to surface drainage patterns, which are to the west, toward the East River. However, it must be noted that precise groundwater depths and flow directions can only be determined through the installation and survey of groundwater monitoring wells. Actual local groundwater depths and flow directions can be influenced by such factors as topography, underground structures, seasonal fluctuations, soil and bedrock geology, production wells, and de-watering operations. Local groundwater is not utilized for the public water supply.

The approximate depth to groundwater is 39 feet bgs. Groundwater flow is generally southwest.

5.2 Soil Chemistry

Laboratory results were compared to NYSDEC Unrestricted Use Soil Cleanup Objectives and Restricted Residential Use Soil Cleanup Objectives as presented in 6NYCRR Part 375-6.8 and CP51. One VOC, tetrachloroethene (11 µg/Kg), was found well below Unrestricted Use SCOs. Eight SVOCs, including benz(a)anthracene (maximum of 31,000 µg/Kg), benzo(a)pyrene (maximum of 25,000 µg/Kg), benzo(b)fluoranthene (maximum of 31,000 µg/Kg), benzo(k)fluoranthene (maximum of 9,800 µg/Kg) chrysene (maximum of 32,000 µg/Kg), dibenz(a,h)anthracene (maximum of 370 µg/Kg), indeno(1,2,3-cd)pyrene (maximum of 13,000 µg/Kg), and phenanthrene (maximum 130,000 µg/Kg) were detected above Restricted Residential Use SCOs in all shallow soil samples. Metals including chromium (maximum of 26 mg/Kg), copper (maximum of 61.2 mg/Kg), lead (maximum of 393 mg/Kg), mercury (maximum of 0.41 mg/Kg), and zinc (maximum of 264 mg/Kg) were detected above Unrestricted Use SCOs. Chromium was also detected above Unrestricted Use SCOs within one of the deep samples. None of metals exceeded Restricted Residential Use SCOs. One PCB, PCB 1260 (maximum of 190 µg/Kg) was detected above Unrestricted Use SCOs. Three pesticides 4,4'-DDD (max. of 18 ppb); 4,4'-DDE (max. of 4.3 ppb); and 4,4'-DDT (max. of 9 ppb) were detected above Unrestricted Use SCOs in shallow soil samples. Dieldrin at 11 ppb was also detected in one soil sample. Overall, the soil chemistry is unremarkable and does not indicate any disposal situation.

Data collected during the RI are 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 Table 2.

5.3 Groundwater Chemistry

Groundwater samples were compared to New York State 6NYCRR Part 703.5 Class GA Groundwater Quality Standards (GQS). Groundwater collected during the RI showed no detectable concentrations of PCBs. One VOC, chloroform (maximum of 8.3µg/L) was detected above its respective GQS. Four SVOCs, including benzo(a)anthracene (maximum of 0.1 µg/L), benzo(a)pyrene (maximum of 0.05 µg/L), benzo-(b)fluoranthene (maximum of 0.9 µg/L), and chrysene (maximum of 0.11 µg/L), were detected above GQS. One pesticide, dieldrin (maximum of 0.22 µg/L), was detected above GQS. Several metals were present in groundwater, but only aluminum, iron, manganese, and sodium exceeded their respective GQSs.

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 3. Exceedences of applicable groundwater standards are shown.

5.4 Soil Vapor Chemistry

Soil vapor samples collected during the RI indicated petroleum related VOCs were present at moderate concentrations and chlorinated VOCs were present at low concentrations. Petroleum-related VOCs (BTEX) were detected in range from 27 to 396 $\mu g/m^3$. Overall the highest reported concentrations were for acetone (maximum of 536 $\mu g/m^3$), propylene (maximum of 42.8 $\mu g/m^3$) and ethanol (maximum of 582 $\mu g/m^3$). Chlorinated VOCs, 1,1,1-Trichloroethylene was not detected in any of the four soil gas samples. Carbon Tetrachloride was detected in all four gas samples at a maximum concentration of 0.692 $\mu g/m^3$. Tetrachloroethylene was detected all four soil gas samples and ranged in concentration from 1.22 to 16.4 $\mu g/m^3$. Trichloroethylene was detected in two of the soil gas samples at a maximum concentration of 1.5 $\mu g/m^3$. All chlorinated VOC concentrations are below the monitoring level ranges established within the NYSDOH Final Guidance on Soil Vapor Intrusion.

. Table 4 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.

FIGURES

Figure 1

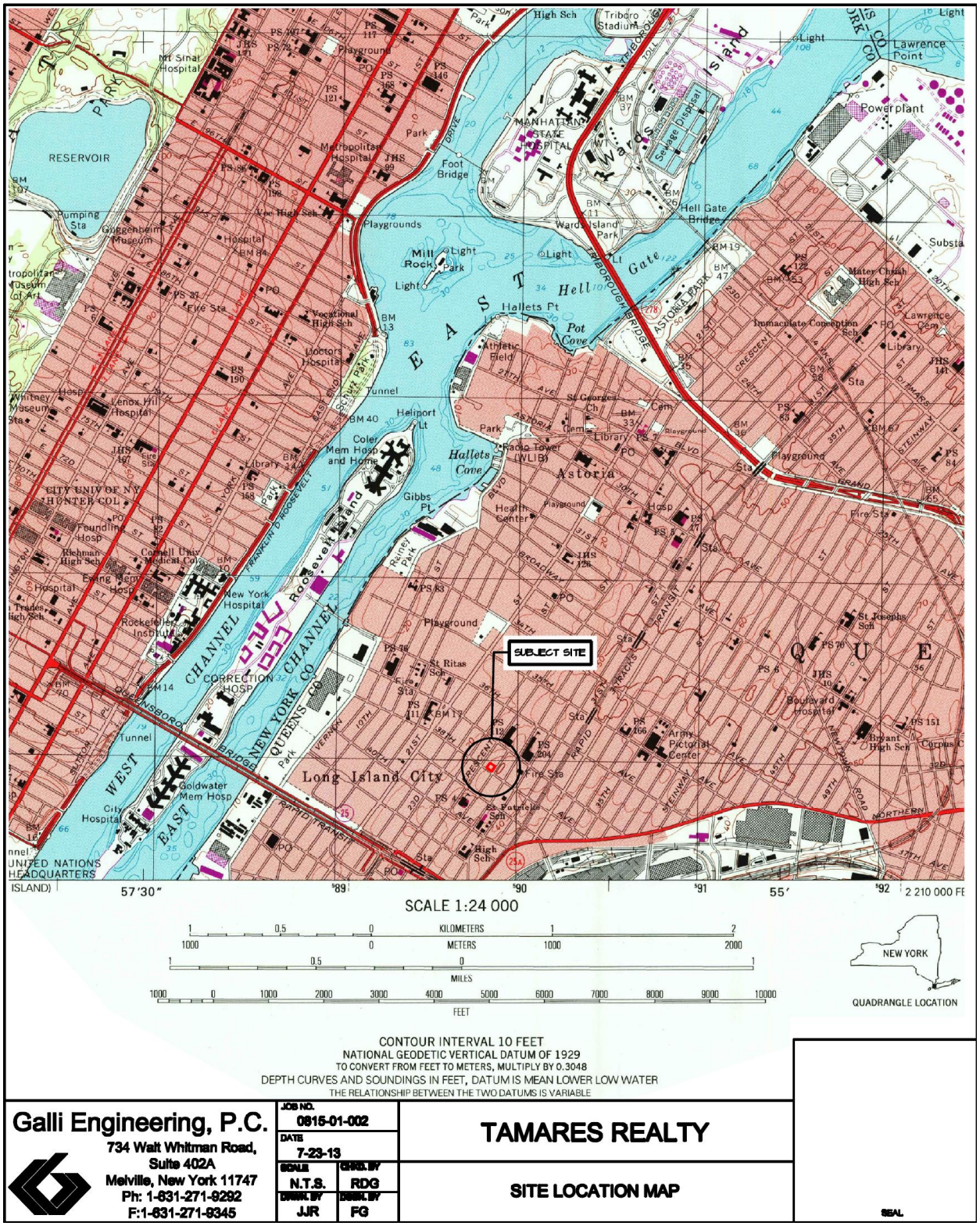
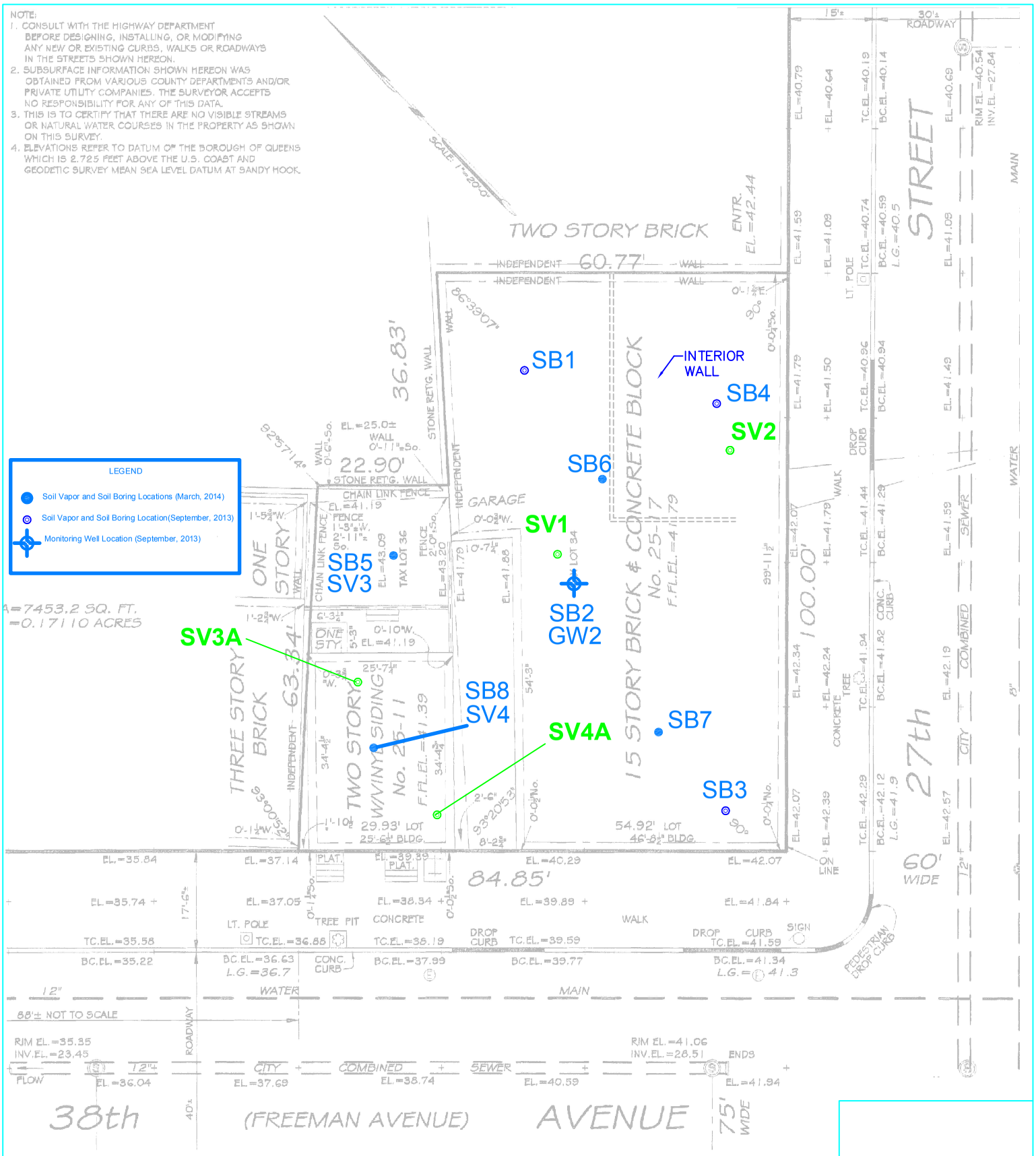

SUBJECT SITE
Long Island City
Astoria
EAST RIVER
Hell Gate
Hallets Cove
Pot Cove
RESERVOIR
Ward's Island
Roosevelt Island
EAST CHANNEL
WEST CHANNEL
NEW YORK CO
QUEENS CO
UNITED NATIONS HEADQUARTERS
SCALE 1:24 000
KILOMETERS
METERS
MILES
FEET
NEW YORK
QUADRANGLE LOCATION
CONTOUR INTERVAL 10 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929
TO CONVERT FROM FEET TO METERS, MULTIPLY BY 0.3048
DEPTH CURVES AND SOUNDINGS IN FEET, DATUM IS MEAN LOWER LOW WATER
THE RELATIONSHIP BETWEEN THE TWO DATUMS IS VARIABLE
Galli Engineering, P.C.
734 Walt Whitman Road,
Suite 402A
Melville, New York 11747
Ph: 1-631-271-9292
F:1-631-271-9345
JOB NO. 0815-01-002
DATE 7-23-13
SCALE N.T.S.
CHKD. BY RDG
DRWN. BY JJR
DSGN. BY FG
TAMARES REALTY
SITE LOCATION MAP
SEAL

FIGURE 2

NOTE:
1. CONSULT WITH THE HIGHWAY DEPARTMENT BEFORE DESIGNING, INSTALLING, OR MODIFYING ANY NEW OR EXISTING CURBS, WALKS OR ROADWAYS IN THE STREETS SHOWN HEREON.
2. SUBSURFACE INFORMATION SHOWN HEREON WAS OBTAINED FROM VARIOUS COUNTY DEPARTMENTS AND/OR PRIVATE UTILITY COMPANIES. THE SURVEYOR ACCEPTS NO RESPONSIBILITY FOR ANY OF THIS DATA.
3. THIS IS TO CERTIFY THAT THERE ARE NO VISIBLE STREAMS OR NATURAL WATER COURSES IN THE PROPERTY AS SHOWN ON THIS SURVEY.
4. ELEVATIONS REFER TO DATUM 0" THE BOROUGH OF QUEENS WHICH IS 2.725 FEET ABOVE THE U.S. COAST AND GEODETIC SURVEY MEAN SEA LEVEL DATUM AT SANDY HOOK.



Galli Engineering, P.C.
734 Walt Whitman Road,
Suite 402A
Melville, New York 11747
Ph: 1-631-271-9292
F:1-631-271-9345

JOB NO.	0815-01-002
DATE	3/5/13
SCALE	1"=100'
CHKD. BY	KLB
DRWN. BY	JJR
DSGN. BY	KLB

TAMARES REALTY

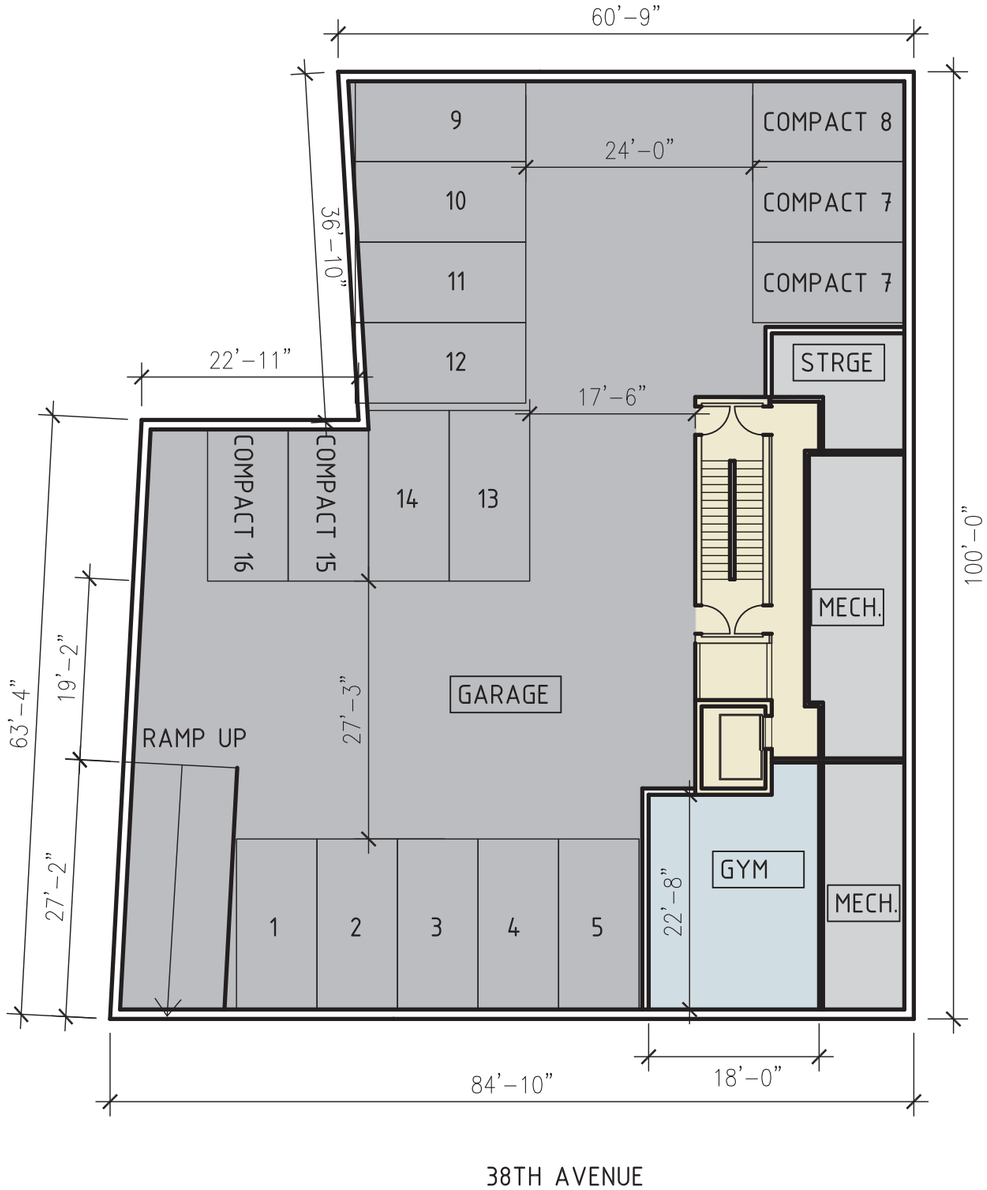
PHASE II SITE MAP

SEAL

2013.07.31

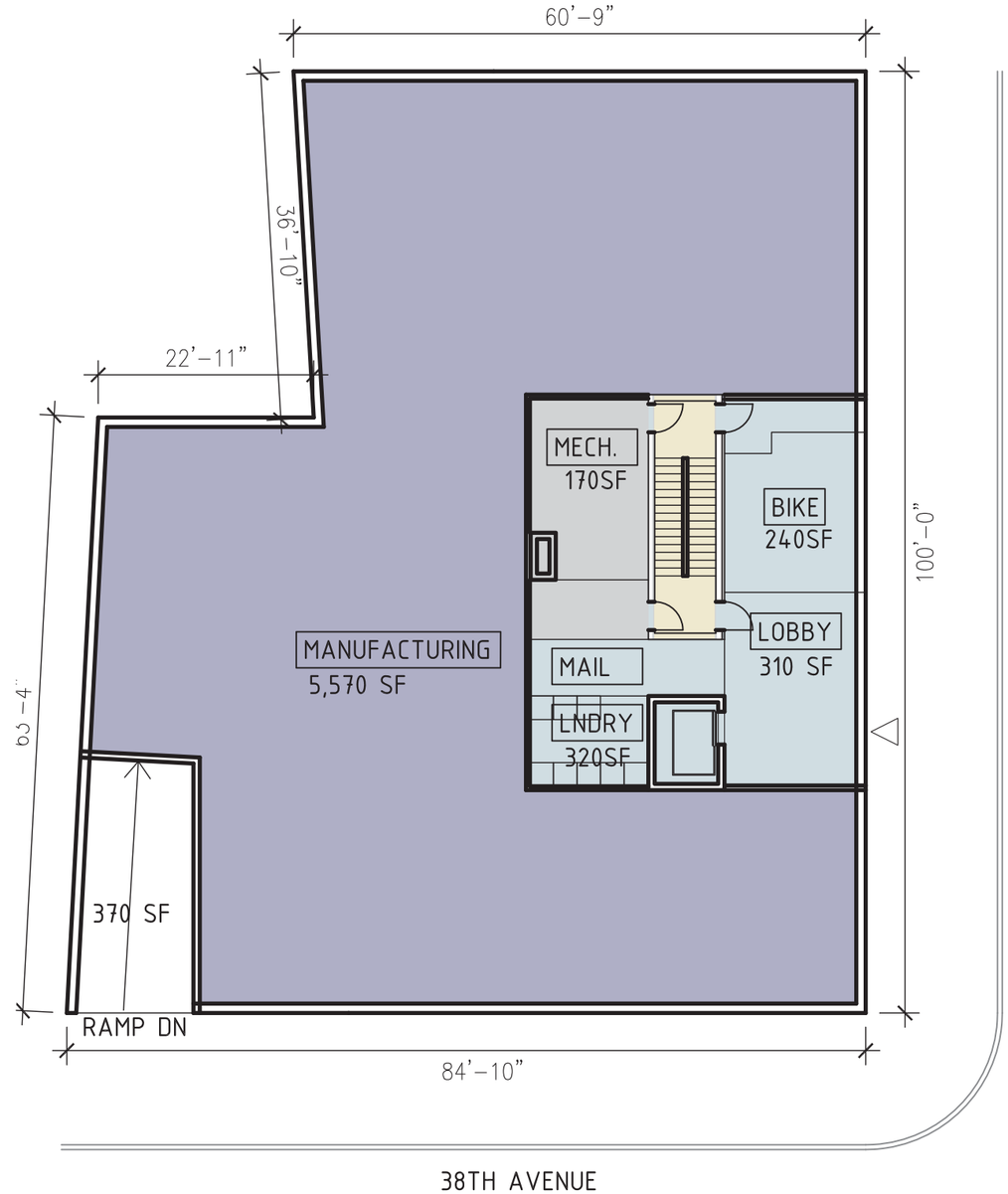
OPTION 2

RSVP ARCHITECTURE STUDIO



GROSS SQUARE FEET: 7452 S.F.

1 CELLAR PLAN
1/16" = 1'-0"

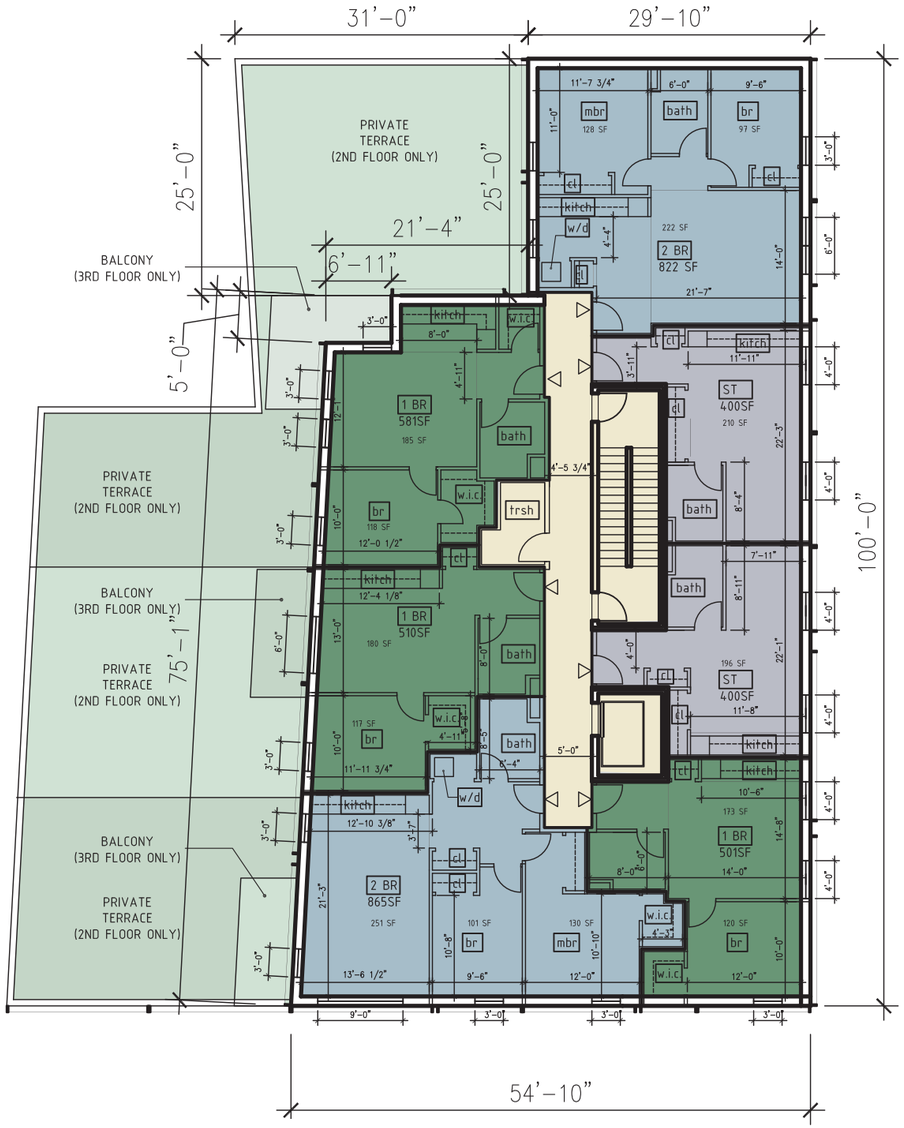


GROSS SQUARE FEET: 7112 S.F.

2 CELLAR PLAN
1/16" = 1'-0"

2013.11.20

RSVP ARCHITECTURE STUDIO



GROSS SQUARE FEET: 4677 S.F.

GROSS SQUARE FEET: 3932 S.F.

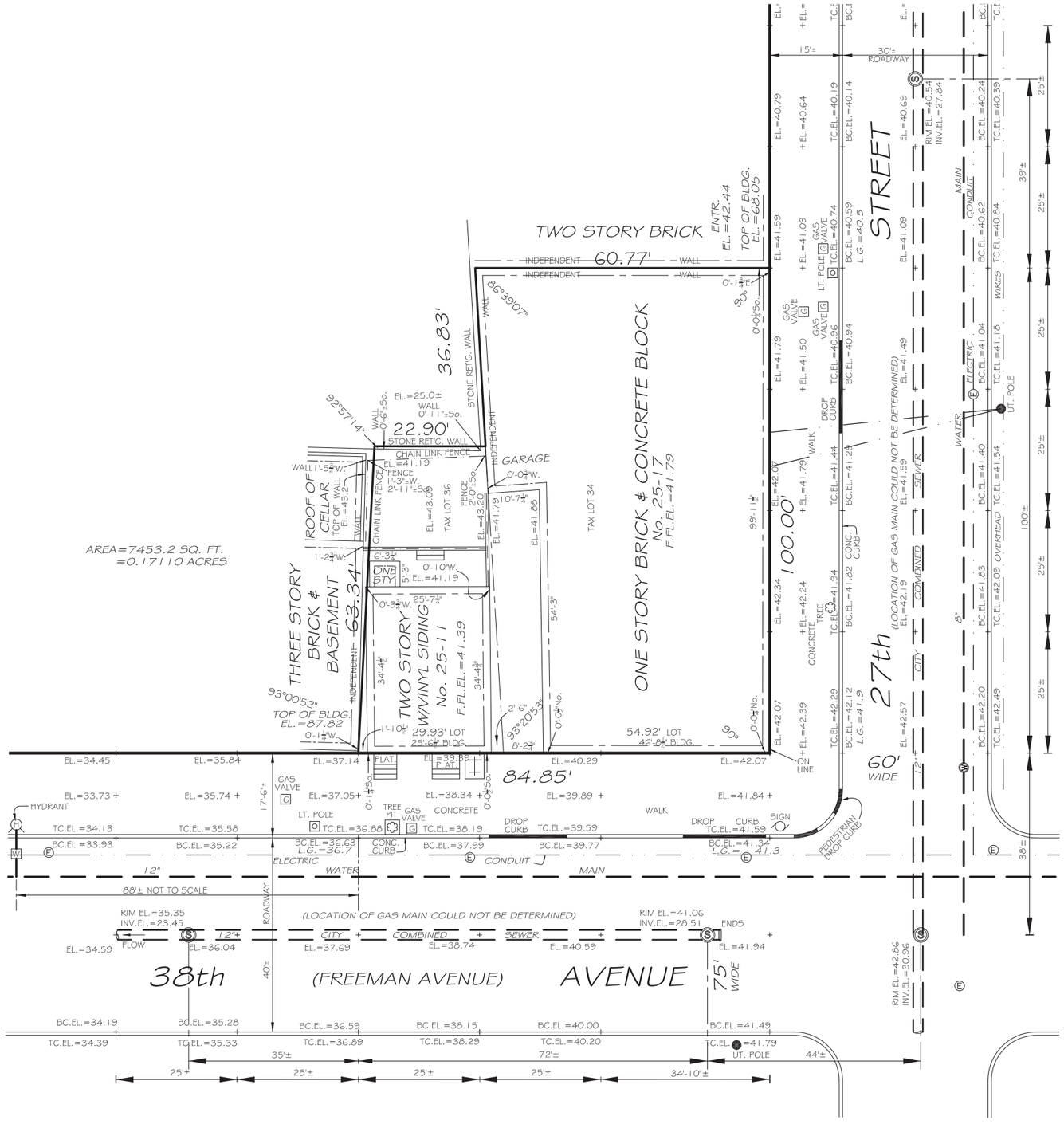
1 TYP 2-3 FLOOR PLAN
1/16"=1'-0"

2 TYP 4-6 FLOOR PLAN
1/16"=1'-0"

2013.11.20

RSVP ARCHITECTURE STUDIO

*SURVEY PROVIDED BY
HAYNES LAND SURVEYORS



1 EXISTING SITE PLAN - SURVEY
N.T.S.

2013.11.20

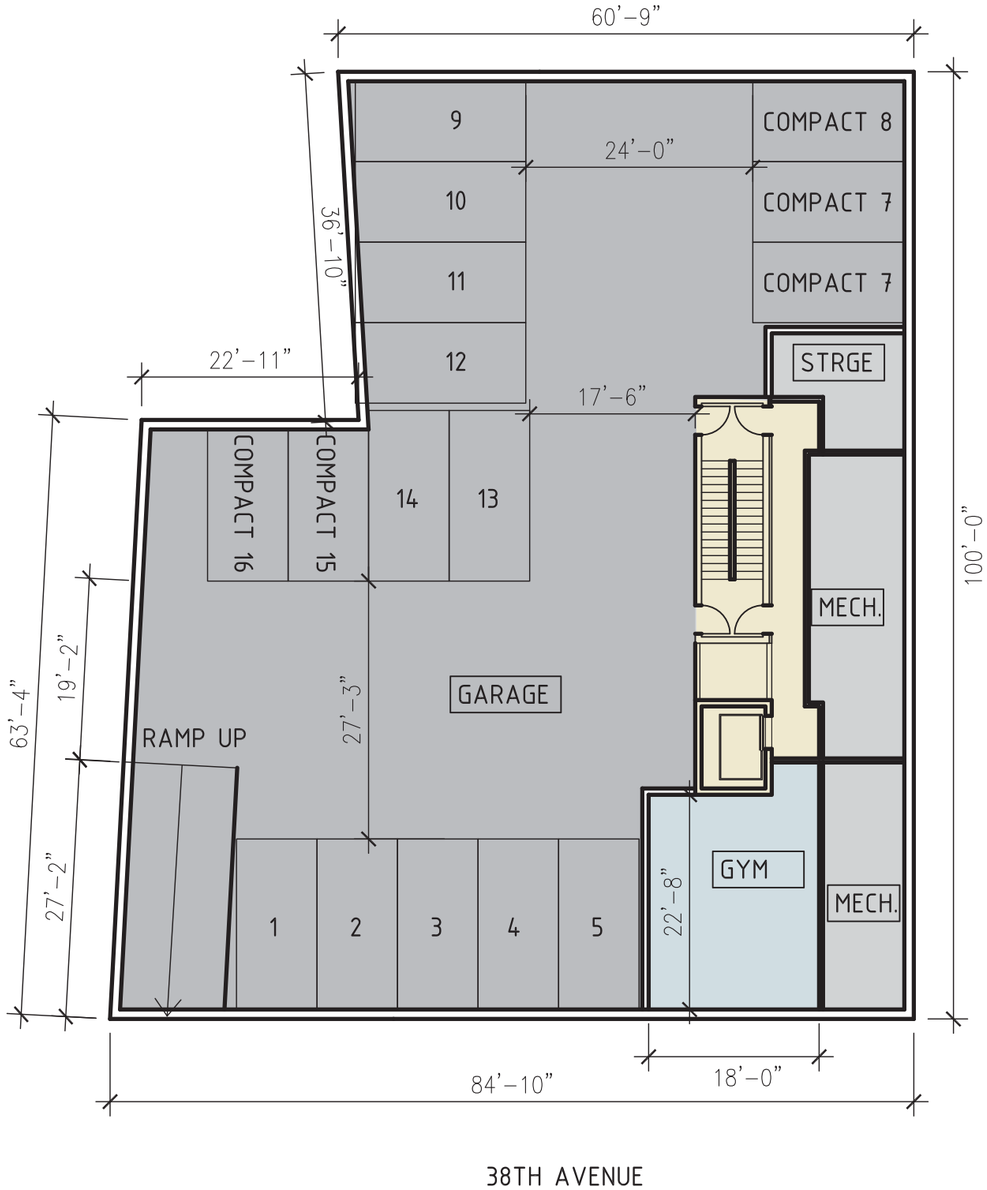
RSVP ARCHITECTURE STUDIO

FIGURE 3

1 PROPOSED SITE PLAN
3/32" = 1'-0"

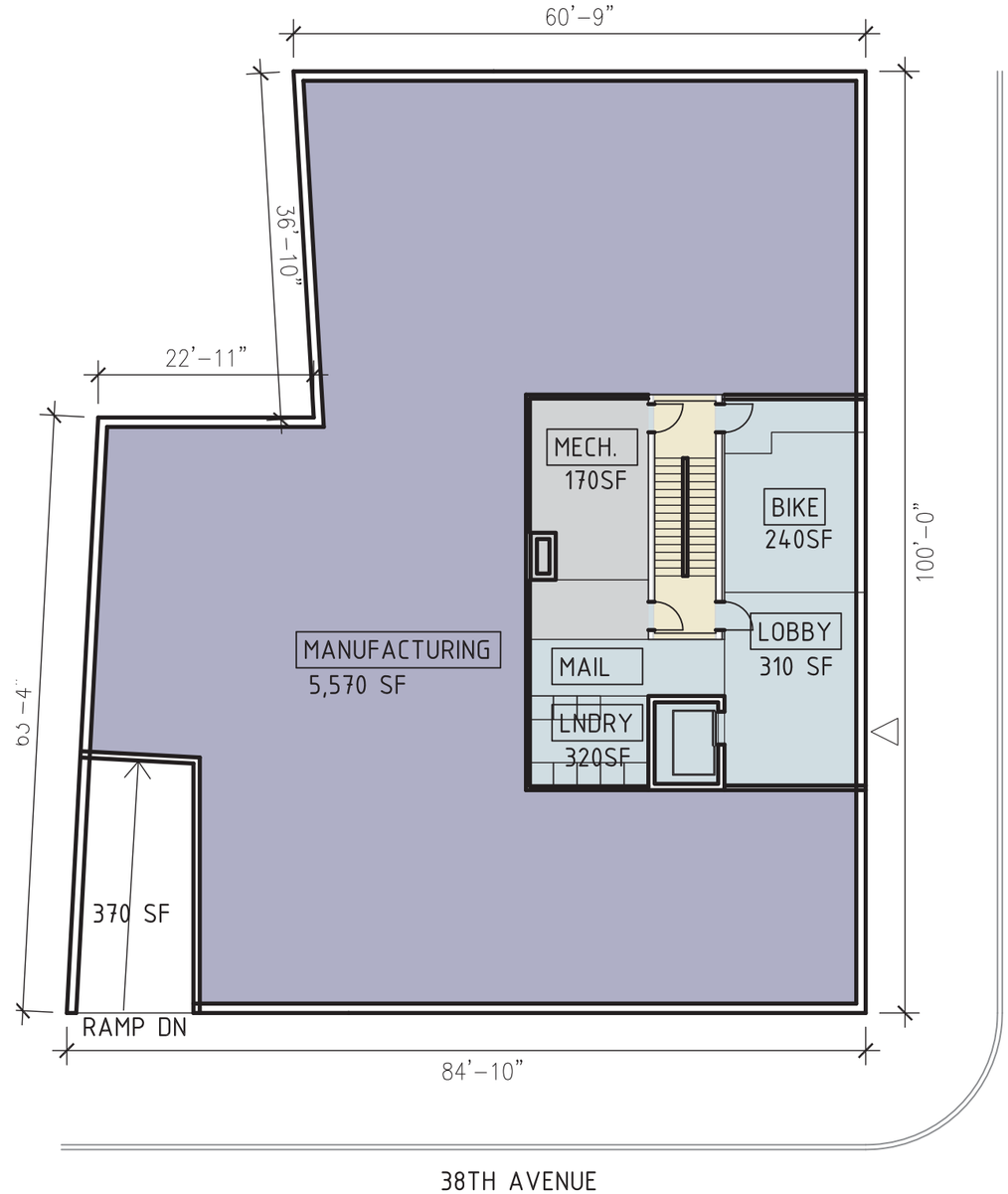
2013.11.20

RSVP ARCHITECTURE STUDIO



GROSS SQUARE FEET: 7452 S.F.

1 CELLAR PLAN
1/16" = 1'-0"

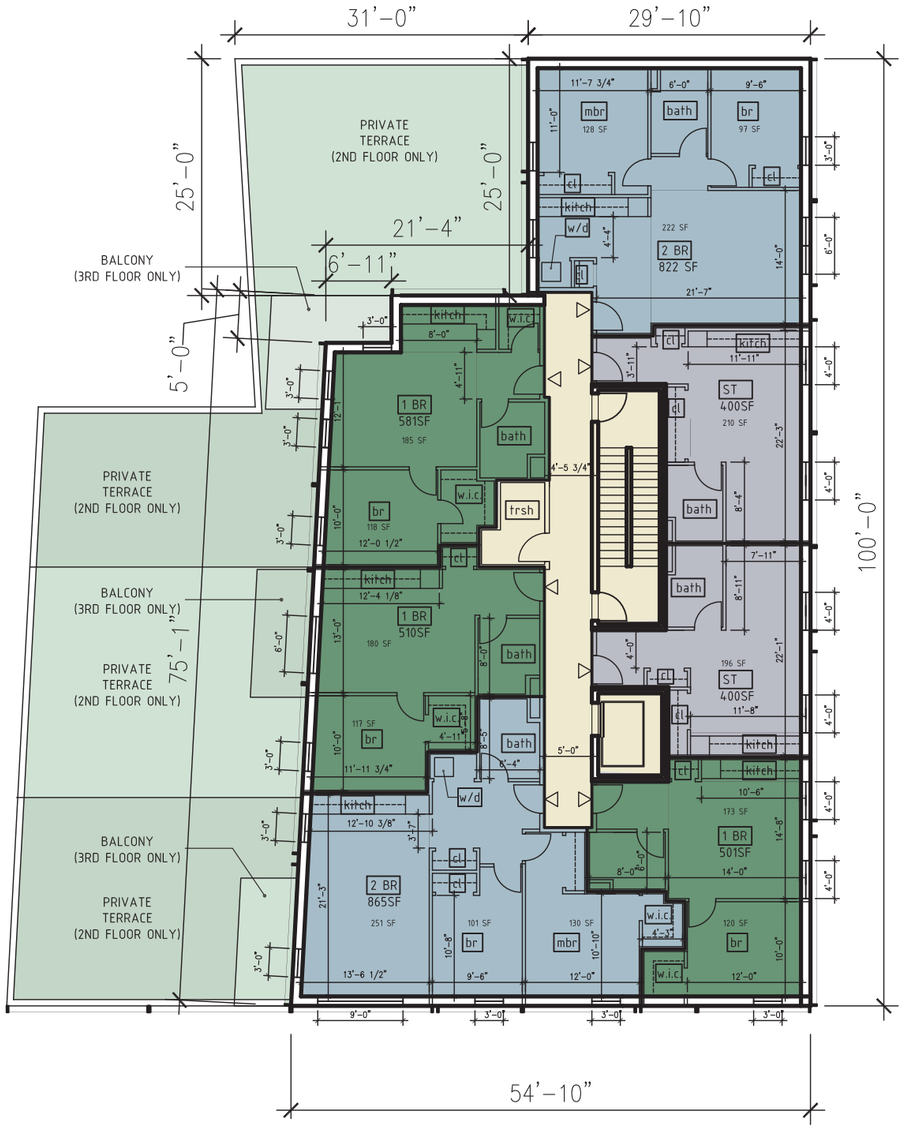


GROSS SQUARE FEET: 7112 S.F.

2 CELLAR PLAN
1/16" = 1'-0"

2013.11.20

RSVP ARCHITECTURE STUDIO



GROSS SQUARE FEET: 4677 S.F.

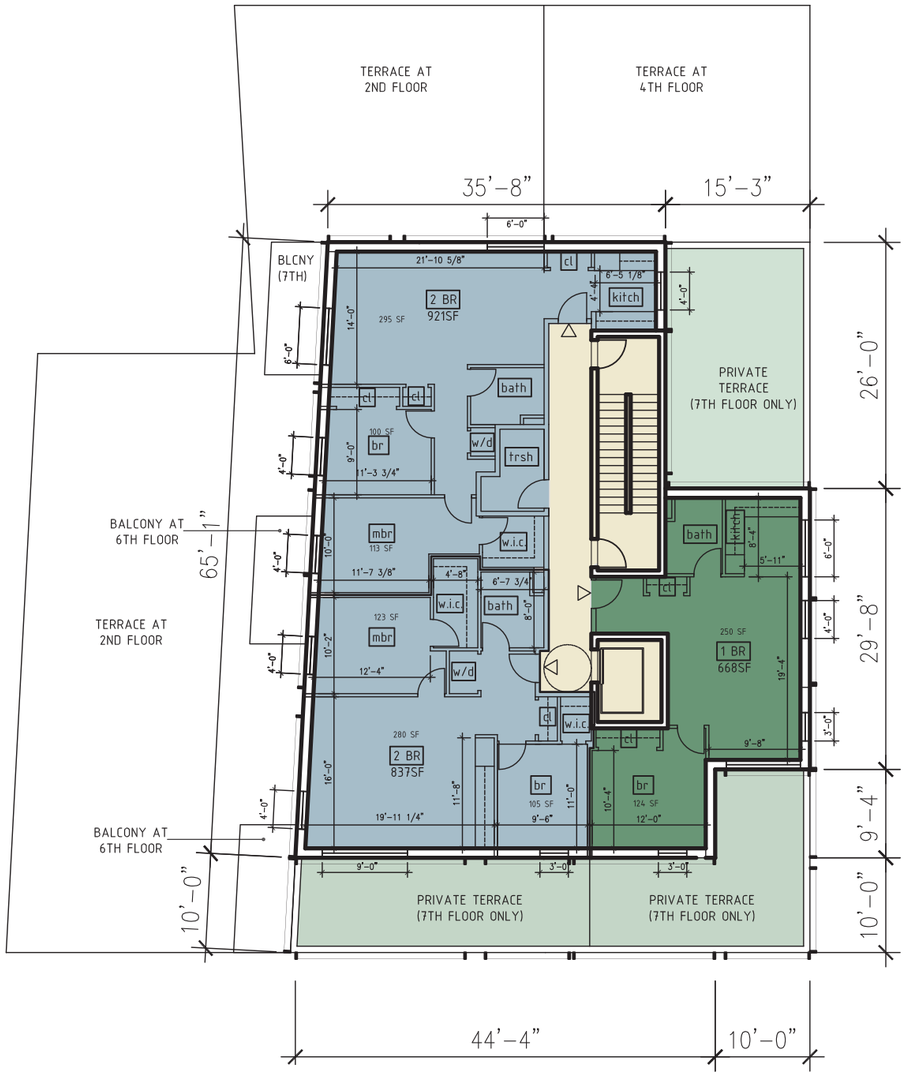
GROSS SQUARE FEET: 3932 S.F.

1 TYP 2-3 FLOOR PLAN
1/16"=1'-0"

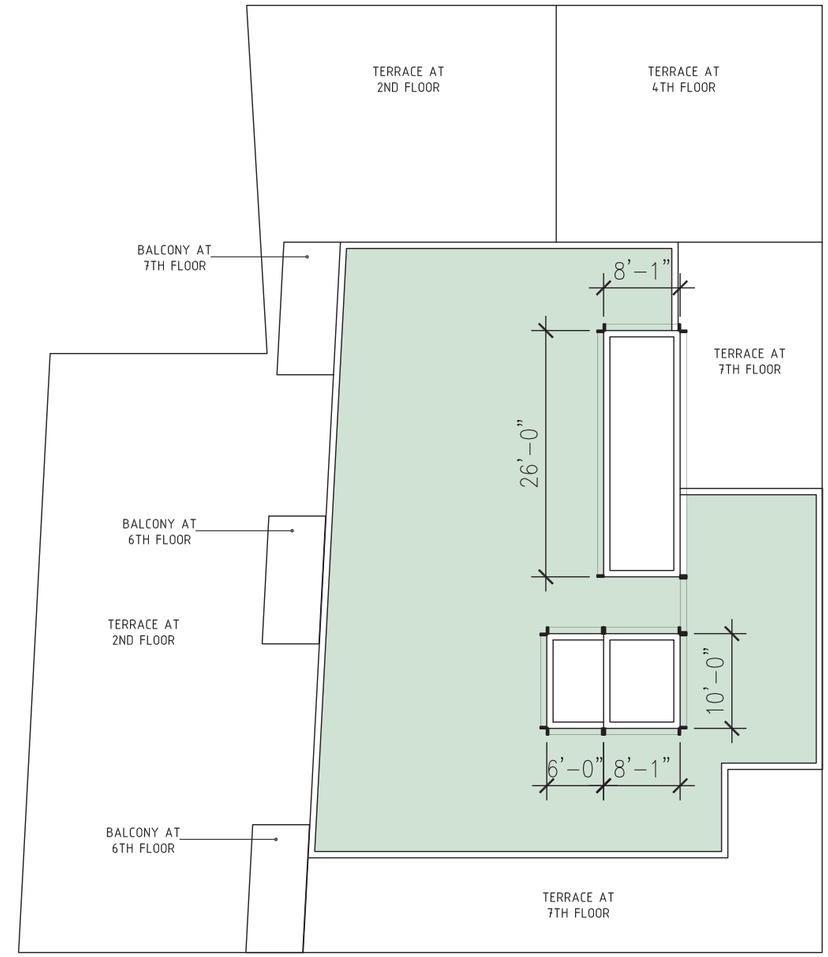
2 TYP 4-6 FLOOR PLAN
1/16"=1'-0"

2013.11.20

RSVP ARCHITECTURE STUDIO



GROSS SQUARE FEET: 2930 S.F.



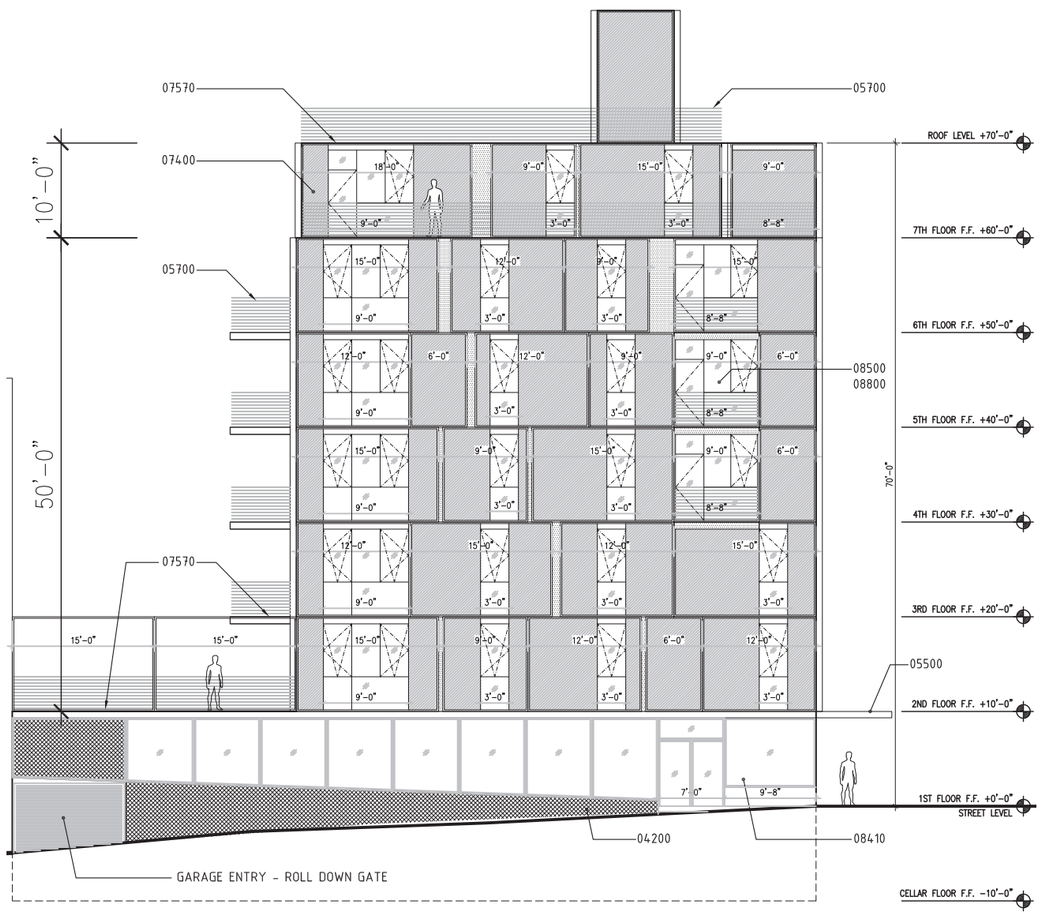
GROSS BULKHEAD SQUARE FEET: 351 S.F.

1 7TH FLOOR PLAN
1/16" = 1'-0"

2 ROOF PLAN
1/16" = 1'-0"

2013.11.20

RSVP ARCHITECTURE STUDIO

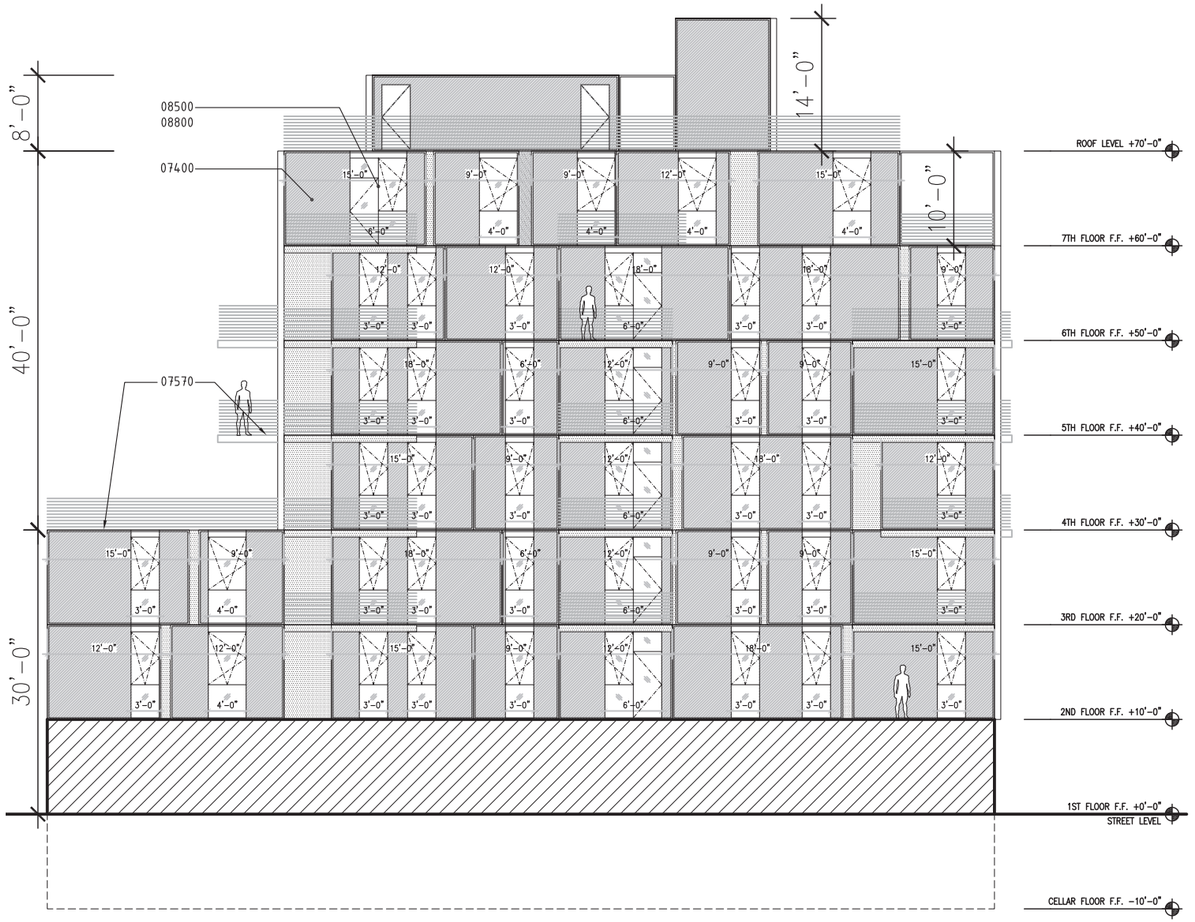


1 SOUTH ELEVATION
1/16" = 1'-0"

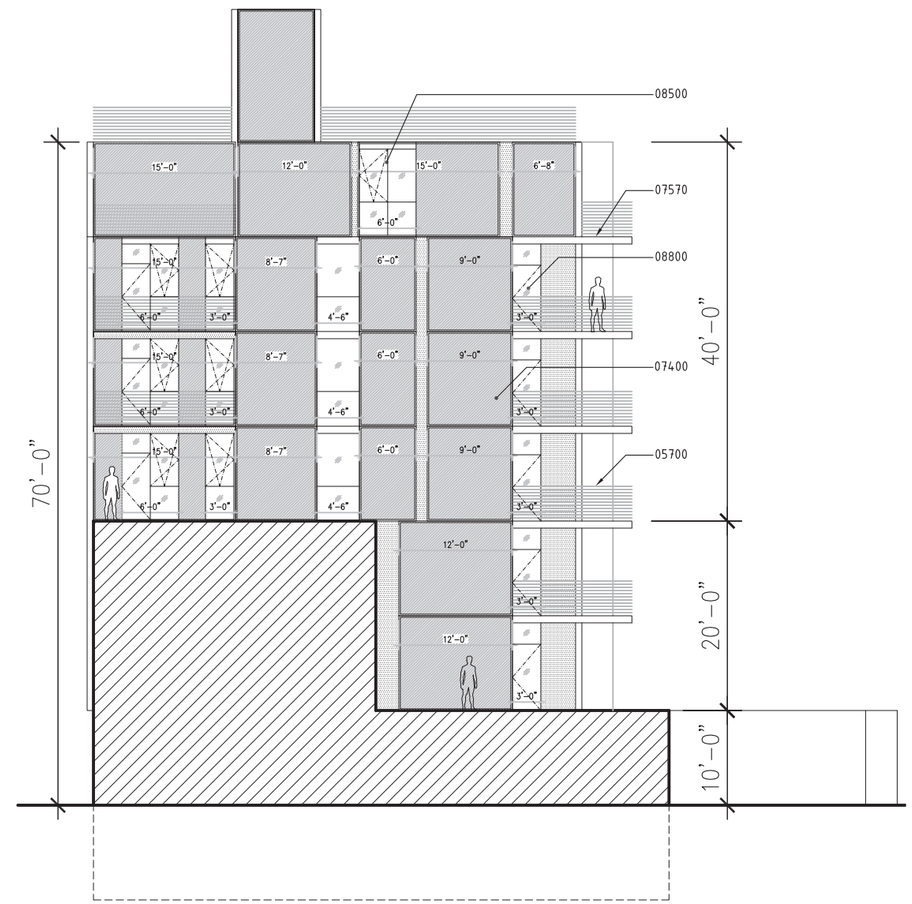
2 EAST ELEVATION
1/16" = 1'-0"

2013.11.20

RSVP ARCHITECTURE STUDIO



1 WEST ELEVATION
1/16"=1'-0"



2 NORTH ELEVATION
1/16"=1'-0"

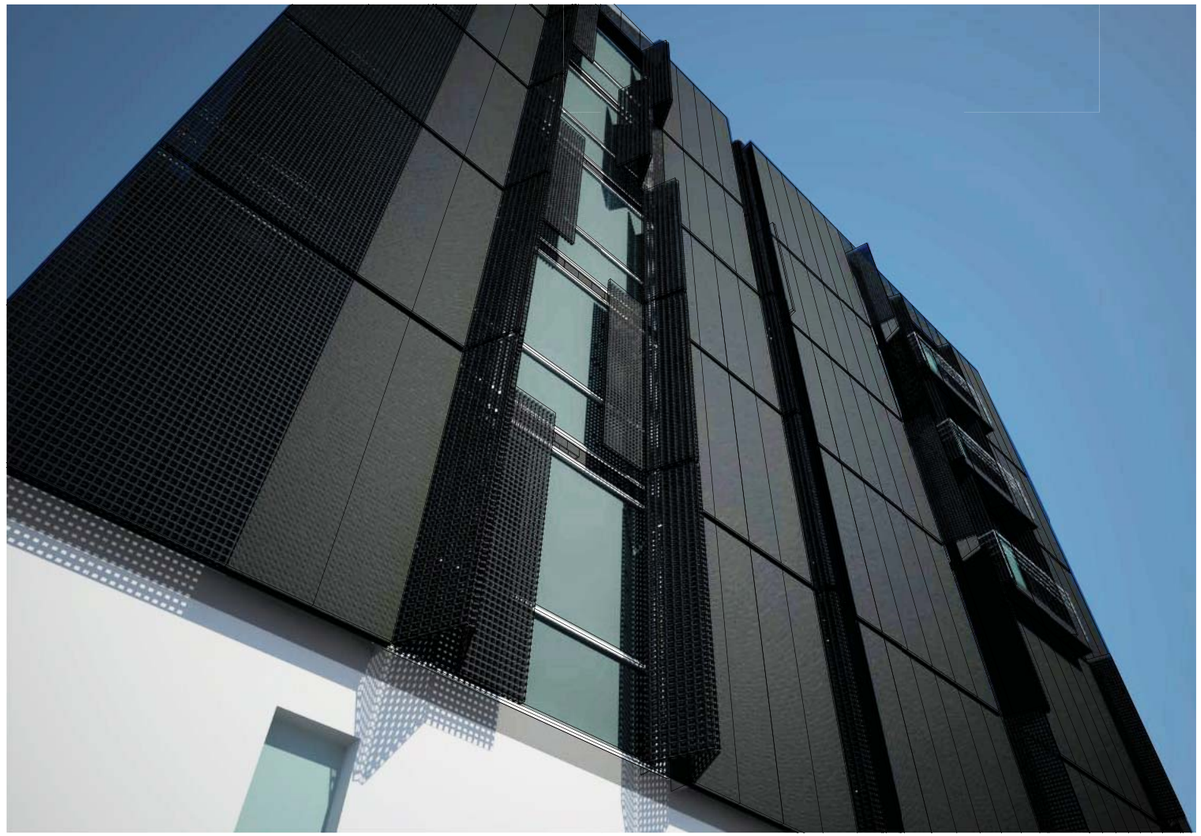
2013.11.20

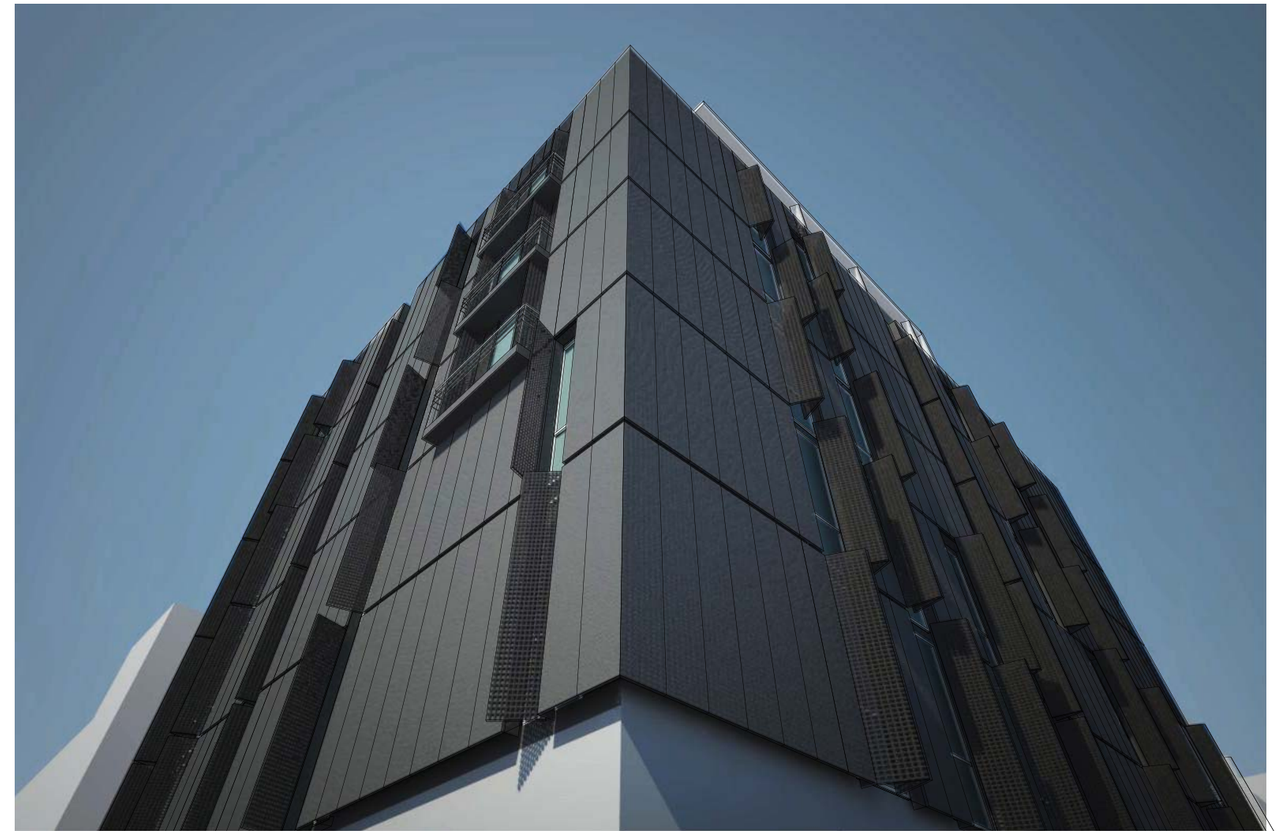
RSVP ARCHITECTURE STUDIO

1 ELEVATION DETAIL/RENDERING
N.T.S.

2013.11.20

RSVP ARCHITECTURE STUDIO





1 ELEVATION DETAIL/RENDERING

N.T.S.

2013.11.20

RSVP ARCHITECTURE STUDIO

TABLES

TABLE 1

ANALYTICAL METHODS SAMPLING PARAMETERS

PARAMETER	MATRIX	CONTAINER	PRESERVATION	HOLDING TIMES
Volatiles US EPA Method 8260	Soil/Groundwater	40 ml. VOA vial w/TFE lined septum cap	4°C	7 Days
Semi-Volatiles US EPA Method 8270	Soil/Groundwater	Glass wide-mouth w/TFE lined septum cap/4 oz.	4°C	5 days until extraction, 40 days from extraction until analysis
Pesticides/PCBs US EPA Method 8081/8082	Soil/Groundwater	Glass wide-mouth w/TFE lined septum cap/4 oz.	None	5 days until extraction, 40 days from extraction until analysis
TAL Metals US EPA Method 6010/7470	Soil/Groundwater	Polyethylene 1 qt. (250 ml for soil borings)	4°C	Hg 28 days All other metals 6 months
Volatiles US EPA Method TO-15	Soil Vapor	6 Liter Summa Canister	n/a	14 days from collection

Phoenix Environmental Laboratories, Inc.
587 East Middle Turnpike
P.O. Box 370
Manchester, CT 06040
(860) 645-1102

Project Id : 25-17 38TH AVE.

	Lab Sample Id Collection Date Client Id Matrix					BD95567 6/20/2013 SB1 8-10 FT Soil		BD95568 6/20/2013 SB2 1-3 FT Soil		BD95569 6/20/2013 SB2 37-39 FT Soil		BD95570 6/20/2013 SB3 Soil		BD95571 6/20/2013 SB4 8-10 FT Soil		BD95572 6/20/2013 SB2 GW Ground Water	
	Units	NY-Res.	NY-UnRestricted	TAGM-GW	TOGS-WQ/GA	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Miscellaneous/Inorganics																	
Percent Solid	%					95		92		94		92		97			
Metals, Total																	
Aluminum	mg/Kg					5,730	55	7,190	56	3,290	54	10,300	57	5,060	49		
Aluminum	mg/L				0.1											26.1	0.01
Aluminum (Dissolved)	mg/L				0.1											0.17	0.01
Antimony	mg/Kg					BRL	3.7	BRL	3.7	BRL	3.6	BRL	3.8	BRL	3.3		
Antimony	mg/L				0.003											BRL	0.005
Antimony (Dissolved)	mg/L				0.003											BRL	0.005
Arsenic	mg/Kg	16	13			BRL	0.7	4.6	0.7	BRL	0.7	2.9	0.8	BRL	0.7		
Arsenic	mg/L				0.025											0.011	0.004
Arsenic (Dissolved)	mg/L				0.025											BRL	0.004
Barium	mg/Kg	350	350			26.9	0.37	225	0.37	42.4	0.36	119	0.38	27.5	0.33		
Barium	mg/L				1											0.637	0.002
Barium (Dissolved)	mg/L				1											0.057	0.002
Beryllium	mg/Kg	14	7.2			BRL	0.29	BRL	0.3	BRL	0.29	0.41	0.3	BRL	0.26		
Beryllium	mg/L				0.003											0.002	0.001
Beryllium (Dissolved)	mg/L				0.003											BRL	0.001
Cadmium	mg/Kg	2.5	2.5			BRL	0.37	0.59	0.37	BRL	0.36	0.78	0.38	BRL	0.33		
Cadmium	mg/L				0.005											0.002	0.001
Cadmium (Dissolved)	mg/L				0.005											BRL	0.001
Calcium	mg/Kg					592	5.5	5,640	5.6	7,060	5.4	7,560	5.7	1,780	4.9		
Calcium	mg/L															87.8	0.01
Calcium (Dissolved)	mg/L															76.2	0.01
Chromium	mg/Kg		1			26	0.37	19.9	0.37	9.37	0.36	23	0.38	12.4	0.33		
Chromium	mg/L				0.05											0.191	0.001
Chromium (Dissolved)	mg/L				0.05											0.002	0.001
Cobalt	mg/Kg					2.85	0.37	3.57	0.37	2.37	0.36	6.63	0.38	3.94	0.33		
Cobalt	mg/L															0.063	0.002
Cobalt (Dissolved)	mg/L															0.001	0.001
Copper	mg/kg	270	50			11.4	0.37	61.2	0.37	15.9	0.36	35.6	0.38	17.2	0.33		
Copper	mg/L				0.2											0.222	0.005
Copper (Dissolved)	mg/L				0.2											BRL	0.005
Iron	mg/Kg					10,900	55	14,300	56	7,220	5.4	25,800	57	10,400	49		
Iron	mg/L				0.3											70.7	0.01
Iron (Dissolved)	mg/L				0.3											0.551	0.011
Lead	mg/Kg	400	63			3.03	0.37	393	3.7	44.9	0.36	76.6	0.38	2.84	0.33		
Lead	mg/L				0.025											0.083	0.002
Lead (Dissolved)	mg/L				0.025											BRL	0.002
Magnesium	mg/Kg					2,480	5.5	4,260	5.6	4,660	5.4	3,980	5.7	3,410	4.9		
Magnesium	mg/L				35											38.5	0.01
Magnesium (Dissolved)	mg/L				35											25.5	0.01
Manganese	mg/Kg	2,000	1,600			134	0.37	154	3.7	280	3.6	552	3.8	227	3.3		
Manganese	mg/L				0.3											8.59	0.01
Manganese (Dissolved)	mg/L				0.3											1.14	0.001
Mercury	mg/Kg	0.81	0.18			BRL	0.07	0.24	0.09	BRL	0.07	0.19	0.08	BRL	0.08		
Mercury	mg/L				0.0007											BRL	2E-04
Mercury (Dissolved)	mg/L				0.0007											BRL	2E-04
Nickel	mg/Kg	140	30			8.84	0.37	12	0.37	8.54	0.36	18.2	0.38	13.1	0.33		
Nickel	mg/L				0.1											0.163	0.001
Nickel (Dissolved)	mg/L				0.1											0.012	0.001
Potassium	mg/Kg					581	5.5	1,820	5.6	845	5.4	1,770	5.7	1,220	4.9		
Potassium	mg/L															10.8	0.1
Potassium (Dissolved)	mg/L															4.9	0.1
Selenium	mg/Kg	36	3.9			BRL	1.5	BRL	1.5	BRL	1.4	BRL	1.5	BRL	1.3		
Selenium	mg/L				0.01											BRL	0.01
Selenium (Dissolved)	mg/L				0.01											BRL	0.011
Silver	mg/Kg	36	2			BRL	0.37	BRL	0.37	BRL	0.36	BRL	0.38	BRL	0.33		
Silver	mg/L				0.05											BRL	0.001
Silver (Dissolved)	mg/L				0.05											BRL	0.001
Sodium	mg/Kg					39.2	5.5	172	5.6	138	5.4	239	5.7	199	4.9		
Sodium	mg/L				20											118	1
Sodium (Dissolved)	mg/L				20											113	1.1
Thallium	mg/Kg					BRL	3.3	BRL	3.4	BRL	3.2	BRL	3.4	BRL	2.9		
Thallium	mg/L				0.0005											BRL	0.002
Thallium (Dissolved)	mg/L				0.0005											BRL	0.002
Vanadium	mg/Kg					17.4	0.37	26.1	0.37	10.7	0.36	33.7	0.38	17.7	0.33		
Vanadium	mg/L															0.069	0.002
Vanadium (Dissolved)	mg/L															BRL	0.002
Zinc	mg/Kg	2,200	109			29.7	0.37	154	3.7	28.5	0.36	81.1	0.38	17	0.33		
Zinc	mg/L				5											0.282	0.002
Zinc (Dissolved)	mg/L				5											0.004	0.002
PCBs By SW 8082																	
PCB-1016	ug/Kg	1,000	100			ND	69	ND	71	ND	70	ND	71	ND	68		
PCB-1221	ug/Kg	1,000	100			ND	69	ND	71	ND	70	ND	71	ND	68		
PCB-1232	ug/Kg	1,000	100			ND	69	ND	71	ND	70	ND	71	ND	68		
PCB-1242	ug/Kg	1,000	100			ND	69	ND	71	ND	70	ND	71	ND	68		
PCB-1248	ug/Kg	1,000	100			ND	69	ND	71	ND	70	ND	71	ND	68		
PCB-1254	ug/Kg	1,000	100			ND	69	ND	71	ND	70	ND	71	ND	68		
PCB-1260	ug/Kg	1,000	100			ND	69	ND	71	ND	70	190	71	ND	68		
PCB-1262	ug/Kg					ND	69	ND	71	ND	70	ND	71	ND	68		
PCB-1268	ug/Kg					ND	69	ND	71	ND	70	ND	71	ND	68		
PCBs By 8082																	
PCB-1016	ug/L			0.09	0.09											ND	0.05
PCB-1221	ug/L			0.09	0.09											ND	0.05
PCB-1232	ug/L			0.09	0.09											ND	0.05
PCB-1242	ug/L			0.09	0.09											ND	0.05
PCB-1248	ug/L			0.09	0.09											ND	0.05
PCB-1254	ug/L			0.09	0.09											ND	0.05
PCB-1260	ug/L			0.09	0.09											ND	0.05
PCB-1262	ug/L															ND	0.05
PCB-1268	ug/L															ND	0.05

Phoenix Environmental Laboratories, Inc.
587 East Middle Turnpike
P.O. Box 370
Manchester, CT 06040
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Project Id : 25-17 38TH AVE.

Lab Sample Id Collection Date Client Id Matrix						BD95567 6/20/2013 SB1 8-10 FT Soil		BD95568 6/20/2013 SB2 1-3 FT Soil		BD95569 6/20/2013 SB2 37-39 FT Soil		BD95570 6/20/2013 SB3 Soil		BD95571 6/20/2013 SB4 8-10 FT Soil		BD95572 6/20/2013 SB2 GW Ground Water	
	Units	NY-Res.	NY-UnRestricted	TAGM-GW	TOGS-WO/GA	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Volatiles By SW8260																	
1,1,1,2-Tetrachloroethane	ug/L				5											ND	1
1,1,1-Trichloroethane	ug/L			5	5											ND	1
1,1,2,2-Tetrachloroethane	ug/L			5	5											ND	0.5
1,1,2-Trichloroethane	ug/L				1											ND	1
1,1-Dichloroethane	ug/L			5	5											ND	1
1,1-Dichloroethene	ug/L			5	5											ND	1
1,1-Dichloropropene	ug/L				5											ND	1
1,2,3-Trichlorobenzene	ug/L															ND	1
1,2,3-Trichloropropane	ug/L			5	0.04											ND	1
1,2,4-Trichlorobenzene	ug/L															ND	1
1,2,4-Trimethylbenzene	ug/L				5											ND	1
1,2-Dibromo-3-chloropropane	ug/L				0.04											ND	1
1,2-Dibromoethane	ug/L				0.0006											ND	1
1,2-Dichlorobenzene	ug/L			4.7												ND	1
1,2-Dichloroethane	ug/L			5	0.6											ND	0.6
1,2-Dichloropropane	ug/L				1											ND	1
1,3,5-Trimethylbenzene	ug/L				5											ND	1
1,3-Dichlorobenzene	ug/L			5	3											ND	1
1,3-Dichloropropane	ug/L			5	5											ND	1
1,4-Dichlorobenzene	ug/L			5												ND	1
2,2-Dichloropropane	ug/L				5											ND	1
2-Chlorotoluene	ug/L				5											ND	1
2-Hexanone	ug/L				50											ND	5
2-Isopropyltoluene	ug/L				5											ND	1
4-Chlorotoluene	ug/L				5											ND	1
4-Methyl-2-pentanone	ug/L			50												ND	5
Acetone	ug/L			50	50											ND	25
Acrylonitrile	ug/L				5											ND	5
Benzene	ug/L			0.7	1											ND	0.7
Bromobenzene	ug/L				5											ND	1
Bromochloromethane	ug/L				5											ND	1
Bromodichloromethane	ug/L				50											ND	0.5
Bromoform	ug/L				50											ND	1
Bromomethane	ug/L				5											ND	1
Carbon Disulfide	ug/L			50												ND	5
Carbon tetrachloride	ug/L			5	5											ND	1
Chlorobenzene	ug/L			5	5											ND	1
Chloroethane	ug/L			50	5											ND	1
Chloroform	ug/L			7	7											3.3	1
Chloromethane	ug/L				5											8.3	1
cis-1,2-Dichloroethene	ug/L				5											ND	1
cis-1,3-Dichloropropene	ug/L				0.4											ND	0.4
Dibromochloromethane	ug/L			50	50											ND	0.5
Dibromomethane	ug/L				5											ND	1
Dichlorodifluoromethane	ug/L				5											ND	1
Ethylbenzene	ug/L			5	5											ND	1
Hexachlorobutadiene	ug/L				0.5											ND	0.4
Isopropylbenzene	ug/L				5											ND	1
m&p-Xylene	ug/L															ND	1
Methyl ethyl ketone	ug/L			50	50											ND	5
Methyl t-butyl ether (MTBE)	ug/L															ND	1
Methylene chloride	ug/L			5	5											ND	1
Naphthalene	ug/L			5	10											ND	1
n-Butylbenzene	ug/L				5											ND	1
n-Propylbenzene	ug/L				5											ND	1
o-Xylene	ug/L			5	5											ND	1
p-Isopropyltoluene	ug/L				5											ND	1
sec-Butylbenzene	ug/L				5											ND	1
Styrene	ug/L				5											ND	1
tert-Butylbenzene	ug/L				5											ND	1
Tetrachloroethene	ug/L			5	5											1.2	1
Tetrahydrofuran (THF)	ug/L				50											ND	2.5
Toluene	ug/L			5	5											ND	1
Total Xylenes	ug/L			5	5											ND	1
trans-1,2-Dichloroethene	ug/L			5	5											ND	1
trans-1,3-Dichloropropene	ug/L				0.4											ND	0.4
trans-1,4-dichloro-2-butene	ug/L				5											ND	5
Trichloroethene	ug/L			5	5											3.8	1
Trichlorofluoromethane	ug/L				5											ND	1
Trichlorotrifluoroethane	ug/L			5	5											ND	1
Vinyl chloride	ug/L			2	2											ND	1
1,1,1,2-Tetrachloroethane	ug/Kg					ND	6.8	ND	9.7	ND	6.3	ND	6.8	ND	4.4		
1,1,1-Trichloroethane	ug/Kg	100,000	680			ND	6.8	ND	9.7	ND	6.3	ND	6.8	ND	4.4		
1,1,2,2-Tetrachloroethane	ug/Kg					ND	4.1	ND	5.8	ND	3.8	ND	4.1	ND	2.7		
1,1,2-Trichloroethane	ug/Kg					ND	6.8	ND	9.7	ND	6.3	ND	6.8	ND	4.4		
1,1-Dichloroethane	ug/Kg	19,000	270			ND	6.8	ND	9.7	ND	6.3	ND	6.8	ND	4.4		
1,1-Dichloroethene	ug/Kg	100,000	330			ND	6.8	ND	9.7	ND	6.3	ND	6.8	ND	4.4		
1,1-Dichloropropene	ug/Kg					ND	6.8	ND	9.7	ND	6.3	ND	6.8	ND	4.4		
1,2,3-Trichlorobenzene	ug/Kg					ND	6.8	ND	9.7	ND	6.3	ND	6.8	ND	4.4		
1,2,3-Trichloropropane	ug/Kg					ND	6.8	ND	9.7	ND	6.3	ND	6.8	ND	4.4		
1,2,4-Trichlorobenzene	ug/Kg					ND	6.8	ND	9.7	ND	6.3	ND	6.8	ND	4.4		
1,2,4-Trimethylbenzene	ug/Kg	47,000	3,600			ND	6.8	ND	9.7	ND	6.3	ND	6.8	ND	4.4		
1,2-Dibromo-3-chloropropane	ug/Kg					ND	6.8	ND	9.7	ND	6.3	ND	6.8	ND	4.4		
1,2-Dibromoethane	ug/Kg					ND	6.8	ND	9.7	ND	6.3	ND	6.8	ND	4.4		
1,2-Dichlorobenzene	ug/Kg	100,000	1,100			ND	6.8	ND	9.7	ND	6.3	ND	6.8	ND	4.4		
1,2-Dichloroethane	ug/Kg	2,300	20			ND	6.8	ND	9.7	ND	6.3	ND	6.8	ND	4.4		
1,2-Dichloropropane	ug/Kg					ND	6.8	ND	9.7	ND	6.3	ND	6.8	ND	4.4		
1,3,5-Trimethylbenzene	ug/Kg	47,000	8,400			ND	6.8	ND	9.7	ND	6.3	ND	6.8	ND	4.4		
1,3-Dichlorobenzene	ug/Kg	17,000	2,400			ND	6.8	ND	9.7	ND	6.3	ND	6.8	ND	4.4		
1,3-Dichloropropane	ug/Kg					ND	6.8	ND	9.7	ND	6.3	ND	6.8	ND	4.4		
1,4-Dichlorobenzene	ug/Kg	9,800	1,800			ND	6.8	ND	9.7	ND	6.3	ND	6.8	ND	4.4		
2,2-Dichloropropane	ug/Kg					ND	6.8	ND	9.7	ND	6.3	ND	6.8	ND	4.4		
2-Chlorotoluene	ug/Kg					ND	6.8	ND	9.7	ND	6.3	ND	6.8	ND	4.4		
2-Hexanone	ug/Kg					ND	34	ND	48	ND	32	ND	34	ND	22		
2-Isopropyltoluene	ug/Kg					ND	6.8	ND	9.7	ND	6.3	ND	6.8	ND	4.4		
4-Chlorotoluene	ug/Kg					ND	6.8	ND	9.7	ND	6.3	ND	6.8	ND	4.4		
4-Methyl-2-pentanone	ug/Kg					ND	34	ND	48	ND	32	ND	34	ND	22		
Acetone	ug/Kg	100,000	50			ND	41	ND	19	ND	38	ND	41	ND	27		
Acrylonitrile	ug/Kg					ND	6.8	ND	9.7	ND	6.3	ND	6.8	ND	4.4		
Benzene	ug/Kg	2,900	60			ND	6.8	ND	9.7	ND	6.3	ND	6.8	ND	4.4		
Bromobenzene	ug/Kg					ND	6.8	ND	9.7	ND	6.3	ND	6.8	ND	4.4		
Bromochloromethane	ug/Kg					ND	6.8	ND	9.7	ND	6.3	ND	6.8	ND	4.4		
Bromodichloromethane	ug/Kg					ND	6.8	ND	9.7	ND	6.3	ND	6.8	ND	4.4		
Bromoform	ug/Kg					ND	6.8	ND	9.7	ND	6.3	ND	6.8	ND	4.4		
Bromomethane	ug/Kg					ND	6.8	ND	9.7	ND	6.3	ND	6.8	ND	4.4		
Carbon Disulfide	ug/Kg					ND	6.8	ND	9.7	ND	6.3	ND	6.8	ND	4.4		
Carbon tetrachloride	ug/Kg	1,400	760			ND	6.8	ND	9.7	ND	6.3	ND	6.8	ND	4.4		
Chlorobenzene	ug/Kg	100,000	1,100			ND	6.8	ND	9.7	ND	6.3	ND	6.8	ND	4.4		
Chloroethane	ug/Kg					ND	6.8	ND	9.7	ND	6.3	ND	6.8	ND	4.4		

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Project Id : 25-17 38TH AVE.

	Lab Sample Id					BD95567		BD95568		BD95569		BD95570		BD95571		BD95572	
	Collection Date					6/20/2013		6/20/2013		6/20/2013		6/20/2013		6/20/2013		6/20/2013	
	Client Id					SB1 8-10 FT		SB2 1-3 FT		SB2 37-39 FT		SB3		SB4 8-10 FT		SB2 GW	
	Matrix					Soil		Soil		Soil		Soil		Soil		Ground Water	
	Units	NY-Res.	NY-UnRestricted	TAGM-GW	TOGS-WQ/GA	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Chloroform	ug/Kg	10,000	370			ND	6.8	ND	9.7	ND	6.3	ND	6.8	ND	4.4		
Chloromethane	ug/Kg					ND	6.8	ND	9.7	ND	6.3	ND	6.8	ND	4.4		
cis-1,2-Dichloroethene	ug/Kg	59,000	250			ND	6.8	ND	9.7	ND	6.3	ND	6.8	ND	4.4		
cis-1,3-Dichloropropene	ug/Kg					ND	6.8	ND	9.7	ND	6.3	ND	6.8	ND	4.4		
Dibromochloromethane	ug/Kg					ND	4.1	ND	5.8	ND	3.8	ND	4.1	ND	2.7		
Dibromomethane	ug/Kg					ND	6.8	ND	9.7	ND	6.3	ND	6.8	ND	4.4		
Dichlorodifluoromethane	ug/Kg					ND	6.8	ND	9.7	ND	6.3	ND	6.8	ND	4.4		
Ethylbenzene	ug/Kg	30,000	1,000			ND	6.8	ND	9.7	ND	6.3	ND	6.8	ND	4.4		
Hexachlorobutadiene	ug/Kg					ND	6.8	ND	9.7	ND	6.3	ND	6.8	ND	4.4		
Isopropylbenzene	ug/Kg					ND	6.8	ND	9.7	ND	6.3	ND	6.8	ND	4.4		
m&p-Xylene	ug/Kg					ND	6.8	ND	9.7	ND	6.3	ND	6.8	ND	4.4		
Methyl Ethyl Ketone	ug/Kg	100,000	120			ND	41	ND	58	ND	38	ND	41	ND	27		
Methyl t-butyl ether (MTBE)	ug/Kg	62,000	930			ND	14	ND	19	ND	13	ND	14	ND	8.9		
Methylene chloride	ug/Kg	51,000	50			ND	6.8	ND	9.7	ND	6.3	ND	6.8	ND	4.4		
Naphthalene	ug/Kg					ND	6.8	ND	9.7	ND	6.3	ND	6.8	ND	4.4		
n-Butylbenzene	ug/Kg	100,000	12,000			ND	6.8	ND	9.7	ND	6.3	ND	6.8	ND	4.4		
n-Propylbenzene	ug/Kg	100,000	3,900			ND	6.8	ND	9.7	ND	6.3	ND	6.8	ND	4.4		
o-Xylene	ug/Kg					ND	6.8	ND	9.7	ND	6.3	ND	6.8	ND	4.4		
p-Isopropyltoluene	ug/Kg					ND	6.8	ND	9.7	ND	6.3	ND	6.8	ND	4.4		
sec-Butylbenzene	ug/Kg	100,000	11,000			ND	6.8	ND	9.7	ND	6.3	ND	6.8	ND	4.4		
Styrene	ug/Kg					ND	6.8	ND	9.7	ND	6.3	ND	6.8	ND	4.4		
tert-Butylbenzene	ug/Kg	100,000	5,900			ND	6.8	ND	9.7	ND	6.3	ND	6.8	ND	4.4		
Tetrachloroethene	ug/Kg	5,500	1,300			ND	6.8	11	9.7	ND	6.3	7.5	6.8	ND	4.4		
Tetrahydrofuran (THF)	ug/Kg					ND	14	ND	19	ND	13	ND	14	ND	8.9		
Toluene	ug/Kg	100,000	700			ND	6.8	ND	9.7	ND	6.3	ND	6.8	ND	4.4		
Total Xylenes	ug/Kg		260			ND	6.8	ND	9.7	ND	6.3	ND	6.8	ND	4.4		
trans-1,2-Dichloroethene	ug/Kg	100,000	190			ND	6.8	ND	9.7	ND	6.3	ND	6.8	ND	4.4		
trans-1,3-Dichloropropene	ug/Kg					ND	6.8	ND	9.7	ND	6.3	ND	6.8	ND	4.4		
trans-1,4-dichloro-2-butene	ug/Kg					ND	14	ND	19	ND	13	ND	14	ND	8.9		
Trichloroethene	ug/Kg	10,000	470			ND	6.8	ND	9.7	ND	6.3	ND	6.8	ND	4.4		
Trichlorofluoromethane	ug/Kg					ND	6.8	ND	9.7	ND	6.3	ND	6.8	ND	4.4		
Trichlorotrifluoroethane	ug/Kg					ND	6.8	ND	9.7	ND	6.3	ND	6.8	ND	4.4		
Vinyl chloride	ug/Kg	210	20			ND	6.8	ND	9.7	ND	6.3	ND	6.8	ND	4.4		
Semivolatiles By SW8270 (SIM)																	
1,2,4,5-Tetrachlorobenzene	ug/L															ND	1.6
Acenaphthene	ug/L			20	20											ND	0.05
Acenaphthylene	ug/L			20												ND	0.05
Benz(a)anthracene	ug/L			0.002	0.002											0.1	0.04
Benzo(a)pyrene	ug/L			0.002												0.05	0.05
Benzo(b)fluoranthene	ug/L			0.002	0.002											0.09	0.05
Benzo(ghi)perylene	ug/L			5												ND	3
Benzo(k)fluoranthene	ug/L			0.002	0.002											ND	0.02
Bis(2-ethylhexyl)phthalate	ug/L			50	5											ND	1.6
Chrysene	ug/L			0.002	0.002											0.11	0.05
Dibenz(a,h)anthracene	ug/L			50												ND	0.01
Hexachlorobenzene	ug/L			0.35	0.04											ND	0.04
Hexachloroethane	ug/L				5											ND	2.4
Indeno(1,2,3-cd)pyrene	ug/L			0.002	0.002											ND	0.02
Pentachloronitrobenzene	ug/L															ND	0.1
Pentachlorophenol	ug/L			1	1											ND	0.8
Phenanthrene	ug/L			50	50											0.11	0.05
Pyridine	ug/L				50											ND	1
Semivolatiles By SW8270																	
1,2,4-Trichlorobenzene	ug/L															ND	5
1,2-Dichlorobenzene	ug/L			4.7												ND	2
1,2-Diphenylhydrazine	ug/L															ND	5
1,3-Dichlorobenzene	ug/L			5	3											ND	2
1,4-Dichlorobenzene	ug/L			5												ND	5
2,4,5-Trichlorophenol	ug/L			1	1											ND	1
2,4,6-Trichlorophenol	ug/L				1											ND	1
2,4-Dichlorophenol	ug/L			1	5											ND	1
2,4-Dimethylphenol	ug/L				1											ND	1
2,4-Dinitrophenol	ug/L			5	5											ND	1
2,4-Dinitrotoluene	ug/L				5											ND	5
2,6-Dinitrotoluene	ug/L			5	5											ND	5
2-Chloronaphthalene	ug/L				10											ND	5
2-Chlorophenol	ug/L			50	1											ND	1
2-Methylnaphthalene	ug/L			50												ND	5
2-Methylphenol (o-cresol)	ug/L			5	1											ND	1
2-Nitroaniline	ug/L			5	5											ND	5
2-Nitrophenol	ug/L			5	1											ND	1
3&4-Methylphenol (m&p-cresol)	ug/L															ND	10
3,3'-Dichlorobenzidine	ug/L				5											ND	5
3-Nitroaniline	ug/L			5	5											ND	5
4,6-Dinitro-2-methylphenol	ug/L				1											ND	1
4-Bromophenyl phenyl ether	ug/L															ND	5
4-Chloro-3-methylphenol	ug/L			5	1											ND	1
4-Chloroaniline	ug/L			5	5											ND	5
4-Chlorophenyl phenyl ether	ug/L															ND	5
4-Nitroaniline	ug/L				5											ND	5
4-Nitrophenol	ug/L			5	1											ND	1
Acetophenone	ug/L															ND	5
Aniline	ug/L			5	5											ND	5
Anthracene	ug/L			50	50											ND	5
Benzidine	ug/L				5											ND	5
Benzoic acid	ug/L			50												ND	50
Benzyl butyl phthalate	ug/L			50	50											ND	5
Bis(2-chloroethoxy)methane	ug/L				5											ND	5
Bis(2-chloroethyl)ether	ug/L				1											ND	1
Bis(2-chloroisopropyl)ether	ug/L															ND	5
Carbazole	ug/L															ND	5
Dibenzofuran	ug/L			5												ND	5
Diethyl phthalate	ug/L			50	50											ND	5
Dimethylphthalate	ug/L			50	50											ND	5
Di-n-butylphthalate	ug/L			50	50											ND	5
Di-n-octylphthalate	ug/L			50	50											ND	5
Fluoranthene	ug/L			50	50											ND	5
Fluorene	ug/L			50	50											ND	5
Hexachlorobutadiene	ug/L				0.5											ND	0.5
Hexachlorocyclopentadiene	ug/L				5											ND	5
Isophorone	ug/L			50	50											ND	5
Naphthalene	ug/L			10	10											ND	5
Nitrobenzene	ug/L			5	0.4											ND	0.4
N-Nitrosodimethylamine	ug/L															ND	5

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Project Id : 25-17 38TH AVE.

	Lab Sample Id Collection Date Client Id Matrix					BD95567 6/20/2013 SB1 8-10 FT Soil		BD95568 6/20/2013 SB2 1-3 FT Soil		BD95569 6/20/2013 SB2 37-39 FT Soil		BD95570 6/20/2013 SB3 Soil		BD95571 6/20/2013 SB4 8-10 FT Soil		BD95572 6/20/2013 SB2 GW Ground Water	
	Units	NY-Res.	NY-UnRestricted	TAGM-GW	TOGS-WQ/GA	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
N-Nitrosodi-n-propylamine	ug/L															ND	5
N-Nitrosodiphenylamine	ug/L				50											ND	5
Phenol	ug/L			1	1											ND	1
Pyrene	ug/L			50	50											ND	5
Semivolatiles By SW 8270																	
1,2,4,5-Tetrachlorobenzene	ug/Kg					ND	240	ND	250	ND	250	ND	250	ND	230		
1,2,4-Trichlorobenzene	ug/Kg					ND	240	ND	250	ND	250	ND	250	ND	230		
1,2-Dichlorobenzene	ug/Kg					ND	240	ND	250	ND	250	ND	250	ND	230		
1,2-Diphenylhydrazine	ug/Kg					ND	340	ND	350	ND	350	ND	350	ND	330		
1,3-Dichlorobenzene	ug/Kg					ND	240	ND	250	ND	250	ND	250	ND	230		
1,4-Dichlorobenzene	ug/Kg					ND	240	ND	250	ND	250	ND	250	ND	230		
2,4,5-Trichlorophenol	ug/Kg					ND	240	ND	250	ND	250	ND	250	ND	230		
2,4,6-Trichlorophenol	ug/Kg					ND	240	ND	250	ND	250	ND	250	ND	230		
2,4-Dichlorophenol	ug/Kg					ND	240	ND	250	ND	250	ND	250	ND	230		
2,4-Dimethylphenol	ug/Kg					ND	240	ND	250	ND	250	ND	250	ND	230		
2,4-Dinitrophenol	ug/Kg					ND	550	ND	570	ND	570	ND	570	ND	530		
2,4-Dinitrotoluene	ug/Kg					ND	240	ND	250	ND	250	ND	250	ND	230		
2,6-Dinitrotoluene	ug/Kg					ND	240	ND	250	ND	250	ND	250	ND	230		
2-Chloronaphthalene	ug/Kg					ND	240	ND	250	ND	250	ND	250	ND	230		
2-Chlorophenol	ug/Kg					ND	240	ND	250	ND	250	ND	250	ND	230		
2-Methylnaphthalene	ug/Kg					ND	240	ND	250	ND	250	ND	250	ND	230		
2-Methylphenol (o-cresol)	ug/Kg	100,000	330			ND	240	ND	250	ND	250	ND	250	ND	230		
2-Nitroaniline	ug/Kg					ND	550	ND	570	ND	570	ND	570	ND	530		
2-Nitrophenol	ug/Kg					ND	240	ND	250	ND	250	ND	250	ND	230		
3&4-Methylphenol (m&p-cresol)	ug/Kg					ND	340	ND	350	ND	350	ND	350	ND	330		
3,3'-Dichlorobenzidine	ug/Kg					ND	240	ND	250	ND	250	ND	250	ND	230		
3-Nitroaniline	ug/Kg					ND	550	ND	570	ND	570	ND	570	ND	530		
4,6-Dinitro-2-methylphenol	ug/Kg					ND	1,000	ND	1,000	ND	1,000	ND	1,000	ND	970		
4-Bromophenyl phenyl ether	ug/Kg					ND	340	ND	350	ND	350	ND	350	ND	330		
4-Chloro-3-methylphenol	ug/Kg					ND	240	ND	250	ND	250	ND	250	ND	230		
4-Chloroaniline	ug/Kg					ND	240	ND	250	ND	250	ND	250	ND	230		
4-Chlorophenyl phenyl ether	ug/Kg					ND	240	ND	250	ND	250	ND	250	ND	230		
4-Nitroaniline	ug/Kg					ND	550	ND	570	ND	570	ND	570	ND	530		
4-Nitrophenol	ug/Kg					ND	1,000	ND	1,000	ND	1,000	ND	1,000	ND	970		
Acenaphthene	ug/Kg	100,000	20,000			ND	240	ND	250	ND	250	ND	250	ND	230		
Acenaphthylene	ug/Kg	100,000	100,000			ND	240	610	250	ND	250	ND	250	ND	230		
Acetophenone	ug/Kg					ND	240	ND	250	ND	250	ND	250	ND	230		
Aniline	ug/Kg					ND	1,000	ND	1,000	ND	1,000	ND	1,000	ND	970		
Anthracene	ug/Kg	100,000	100,000			ND	240	750	250	ND	250	500	250	ND	230		
Benz(a)anthracene	ug/Kg	1,000	1,000			ND	240	3,400	250	360	250	1,800	250	ND	230		
Benzidine	ug/Kg					ND	410	ND	420	ND	420	ND	420	ND	400		
Benzo(a)pyrene	ug/Kg	1,000	1,000			ND	240	2,700	250	310	250	1,700	250	ND	230		
Benzo(b)fluoranthene	ug/Kg	1,000	1,000			ND	240	4,000	250	500	250	2,600	250	ND	230		
Benzo(ghi)perylene	ug/Kg	100,000	100,000			ND	240	900	250	ND	250	1,500	250	ND	230		
Benzo(k)fluoranthene	ug/Kg	1,000	800			ND	240	1,500	250	ND	250	840	250	ND	230		
Benzoic acid	ug/Kg					ND	1,000	ND	1,000	ND	1,000	ND	1,000	ND	970		
Benzyl butyl phthalate	ug/Kg					ND	240	ND	250	ND	250	530	250	ND	230		
Bis(2-chloroethoxy)methane	ug/Kg					ND	240	ND	250	ND	250	ND	250	ND	230		
Bis(2-chloroethyl)ether	ug/Kg					ND	340	ND	350	ND	350	ND	350	ND	330		
Bis(2-chloroisopropyl)ether	ug/Kg					ND	240	ND	250	ND	250	ND	250	ND	230		
Bis(2-ethylhexyl)phthalate	ug/Kg					ND	240	ND	250	ND	250	2,200	250	ND	230		
Carbazole	ug/Kg					ND	520	ND	530	ND	530	ND	530	ND	500		
Chrysene	ug/Kg	1,000	1,000			ND	240	3,400	250	350	250	2,000	250	ND	230		
Dibenz(a,h)anthracene	ug/Kg	330	330			ND	240	360	250	ND	250	370	250	ND	230		
Dibenzofuran	ug/Kg		7,000			ND	240	ND	250	ND	250	ND	250	ND	230		
Diethyl phthalate	ug/Kg					ND	240	ND	250	ND	250	ND	250	ND	230		
Dimethylphthalate	ug/Kg					ND	240	ND	250	ND	250	ND	250	ND	230		
Di-n-butylphthalate	ug/Kg					ND	240	ND	250	ND	250	ND	250	ND	230		
Di-n-octylphthalate	ug/Kg					ND	240	ND	250	ND	250	ND	250	ND	230		
Fluoranthene	ug/Kg	100,000	100,000			ND	240	6,100	250	640	250	4,300	250	ND	230		
Fluorene	ug/Kg	100,000	30,000			ND	240	300	250	ND	250	ND	250	ND	230		
Hexachlorobenzene	ug/Kg					ND	240	ND	250	ND	250	ND	250	ND	230		
Hexachlorobutadiene	ug/Kg					ND	240	ND	250	ND	250	ND	250	ND	230		
Hexachlorocyclopentadiene	ug/Kg					ND	240	ND	250	ND	250	ND	250	ND	230		
Hexachloroethane	ug/Kg					ND	240	ND	250	ND	250	ND	250	ND	230		
Indeno(1,2,3-cd)pyrene	ug/Kg	500	500			ND	240	890	250	ND	250	1,300	250	ND	230		
Isophorone	ug/Kg					ND	240	ND	250	ND	250	ND	250	ND	230		
Naphthalene	ug/Kg	100,000	12,000			ND	240	260	250	ND	250	ND	250	ND	230		
Nitrobenzene	ug/Kg					ND	240	ND	250	ND	250	ND	250	ND	230		
N-Nitrosodimethylamine	ug/Kg					ND	340	ND	350	ND	350	ND	350	ND	330		
N-Nitrosodi-n-propylamine	ug/Kg					ND	240	ND	250	ND	250	ND	250	ND	230		
N-Nitrosodiphenylamine	ug/Kg					ND	340	ND	350	ND	350	ND	350	ND	330		
Pentachloronitrobenzene	ug/Kg					ND	340	ND	350	ND	350	ND	350	ND	330		
Pentachlorophenol	ug/Kg	2,400	800			ND	340	ND	350	ND	350	ND	350	ND	330		
Phenanthrene	ug/Kg	100,000	100,000			ND	240	2,500	250	ND	250	2,000	250	ND	230		
Phenol	ug/Kg	100,000	330			ND	240	ND	250	ND	250	ND	250	ND	230		
Pyrene	ug/Kg	100,000	100,000			ND	240	5,000	250	550	250	3,700	250	ND	230		
Pyridine	ug/Kg					ND	340	ND	350	ND	350	ND	350	ND	330		
Pesticides By SW8081																	
4,4' -DDD	ug/L			0.01	0.3											ND	0.01
4,4' -DDE	ug/L			0.01	0.2											ND	0.01
4,4' -DDT	ug/L			0.01	0.2											ND	0.01
a-BHC	ug/L			0.05	0.01											ND	0.01
Alachlor	ug/L				0.5											ND	0.075
Aldrin	ug/L			0.01												ND	0.002
b-BHC	ug/L			0.05	0.04											ND	0.005
Chlordane	ug/L			0.1	0.05											ND	0.05
d-BHC	ug/L			0.05	0.04											ND	0.025
Dieldrin	ug/L			0.01	0.004											0.22	0.008
Endosulfan I	ug/L			0.1												ND	0.05
Endosulfan II	ug/L			0.1												ND	0.05
Endosulfan Sulfate	ug/L			0.1												ND	0.05
Endrin	ug/L			0.01												ND	0.01
Endrin Aldehyde	ug/L				5											ND	0.05
Endrin ketone	ug/L				5											ND	0.05
g-BHC (Lindane)	ug/L			0.05	0.05											ND	0.025
Heptachlor	ug/L			0.01	0.04											ND	0.01
Heptachlor epoxide	ug/L			0.01	0.03											ND	0.01
Methoxychlor	ug/L			35	35											ND	0.1
Toxaphene	ug/L				0.06											ND	0.25
4,4' -DDD	ug/Kg	2,600	3.3			ND	2.1	ND	2.1	ND	2.1	ND*	18	ND	2		
4,4' -DDE	ug/Kg	1,800	3.3			ND	2.1	ND	3.2	ND	2.1	ND*	4.3	ND	2		
4,4' -DDT	ug/Kg	1,700	3.3			ND	2.1	ND*	9.2	ND	2.1	ND*	5.7	ND	2		
a-BHC	ug/Kg	97	20			ND	3.3	ND	3.4	ND	3.3	ND	3.4	ND	3.2		
Alachlor	ug/Kg					ND	3.3	ND	3.4	ND	3.3	ND	3.4	ND	3.2		
Aldrin	ug/Kg	19	5			ND	1	ND	1.1	ND	1.7	ND*	1.8	ND	2		

Phoenix Environmental Laboratories, Inc.
587 East Middle Turnpike
P.O. Box 370
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Project Id : 25-17 38TH AVE.

	Lab Sample Id					BD95567		BD95568		BD95569		BD95570		BD95571		BD95572	
	Collection Date					6/20/2013		6/20/2013		6/20/2013		6/20/2013		6/20/2013		6/20/2013	
	Client Id					SB1 8-10 FT		SB2 1-3 FT		SB2 37-39 FT		SB3		SB4 8-10 FT		SB2 GW	
	Matrix					Soil		Soil		Soil		Soil		Soil		Ground Water	
	Units	NY-Res.	NY-UnRestricted	TAGM-GW	TOGS-WQ/GA	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
b-BHC	ug/Kg	72	36			ND	3.3	ND	3.4	ND	3.3	ND	3.4	ND	3.2		
Chlordane	ug/Kg					ND	10	ND	11	ND	10	ND*	120	ND	10		
d-BHC	ug/Kg	100,000	40			ND	3.3	ND	3.4	ND	3.3	ND	3.4	ND	3.2		
Dieldrin	ug/Kg	39	5			ND	1	ND	3.2	ND	1	ND*	3.9	ND	1		
Endosulfan I	ug/Kg	4,800	2,400			ND	3.3	ND	3.4	ND	3.3	ND	3.4	ND	3.2		
Endosulfan II	ug/Kg	4,800	2,400			ND	6.6	ND	6.8	ND	6.7	ND	6.8	ND	6.5		
Endosulfan sulfate	ug/Kg	4,800	2,400			ND	6.6	ND	6.8	ND	6.7	ND	6.8	ND	6.5		
Endrin	ug/Kg	2,200	14			ND	6.6	ND	6.8	ND	6.7	ND	6.8	ND	6.5		
Endrin aldehyde	ug/Kg					ND	6.6	ND	6.8	ND	6.7	ND	6.8	ND	6.5		
Endrin ketone	ug/Kg					ND	6.6	ND	6.8	ND	6.7	ND	6.8	ND	6.5		
g-BHC	ug/Kg	280	100			ND	1	ND	1.1	ND	1	ND	1.1	ND	1		
Heptachlor	ug/Kg	420	42			ND	2.1	ND	2.1	ND	2.1	ND	2.1	ND	2		
Heptachlor epoxide	ug/Kg					ND	3.3	ND	3.4	ND	3.3	ND	3.4	ND	3.2		
Methoxychlor	ug/Kg					ND	33	ND	34	ND	33	ND	34	ND	32		
Toxaphene	ug/Kg					ND	33	ND	34	ND	33	ND	34	ND	32		

Result Detected

RL Exceeds Criteria

Result Exceeds Criteria

Phoenix Environmental Laboratories, Inc.
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Project Id : 25-17 38TH AVE

	Lab Sample Id	BD96938		BD96939	
	Collection Date	6/20/2013		6/20/2013	
	Client Id	SV 1		SV 2	
	Matrix	Air		Air	
	Units	Result	RL	Result	RL
Volatiles (TO15) By TO15					
1,1,1,2-Tetrachloroethane	ppbv	ND	0.146	ND	0.146
1,1,1-Trichloroethane	ppbv	ND	0.183	ND	0.183
1,1,2,2-Tetrachloroethane	ppbv	ND	0.146	ND	0.146
1,1,2-Trichloroethane	ppbv	ND	0.183	ND	0.183
1,1-Dichloroethane	ppbv	ND	0.247	ND	0.247
1,1-Dichloroethene	ppbv	ND	0.252	ND	0.252
1,2,4-Trichlorobenzene	ppbv	ND	0.135	ND	0.135
1,2,4-Trimethylbenzene	ppbv	4.87	0.204	1.12	0.204
1,2-Dibromoethane(EDB)	ppbv	ND	0.13	ND	0.13
1,2-Dichlorobenzene	ppbv	ND	0.166	ND	0.166
1,2-Dichloroethane	ppbv	ND	0.247	ND	0.247
1,2-dichloropropane	ppbv	ND	0.216	ND	0.216
1,2-Dichlorotetrafluoroethane	ppbv	ND	0.143	ND	0.143
1,3,5-Trimethylbenzene	ppbv	1.43	0.204	0.26	0.204
1,3-Butadiene	ppbv	ND	0.452	ND	0.452
1,3-Dichlorobenzene	ppbv	0.49	0.166	ND	0.166
1,4-Dichlorobenzene	ppbv	ND	0.166	ND	0.166
1,4-Dioxane	ppbv	ND	0.278	ND	0.278
2-Hexanone(MBK)	ppbv	ND	0.244	ND	0.244
4-Ethyltoluene	ppbv	0.85	0.204	0.23	0.204
4-Isopropyltoluene	ppbv	0.25	0.182	ND	0.182
4-Methyl-2-pentanone(MIBK)	ppbv	0.42	0.244	0.48	0.244
Acetone	ppbv	50.4	0.421	20.8	0.421
Acrylonitrile	ppbv	ND	0.461	ND	0.461
Benzene	ppbv	1.72	0.313	0.33	0.313
Benzyl chloride	ppbv	ND	0.193	ND	0.193
Bromodichloromethane	ppbv	ND	0.149	ND	0.149
Bromoform	ppbv	ND	0.097	ND	0.097
Bromomethane	ppbv	ND	0.258	ND	0.258
Carbon Disulfide	ppbv	1.14	0.321	0.99	0.321
Carbon Tetrachloride	ppbv	0.09	0.04	0.08	0.04
Chlorobenzene	ppbv	ND	0.217	ND	0.217
Chloroethane	ppbv	ND	0.379	ND	0.379
Chloroform	ppbv	0.35	0.205	0.98	0.205
Chloromethane	ppbv	0.7	0.484	0.58	0.484
Cis-1,2-Dichloroethene	ppbv	ND	0.252	ND	0.252
cis-1,3-Dichloropropene	ppbv	ND	0.22	ND	0.22
Cyclohexane	ppbv	2.39	0.291	1.69	0.291
Dibromochloromethane	ppbv	ND	0.117	ND	0.117
Dichlorodifluoromethane	ppbv	0.56	0.202	0.69	0.202
Ethanol	ppbv	309	0.531	77.2	0.531
Ethyl acetate	ppbv	4.48	0.278	0.87	0.278
Ethylbenzene	ppbv	2.72	0.23	0.74	0.23
Heptane	ppbv	1.81	0.244	0.37	0.244
Hexachlorobutadiene	ppbv	ND	0.094	ND	0.094
Hexane	ppbv	3.68	0.284	1.76	0.284
Isopropylalcohol	ppbv	64.5	0.407	22.4	0.407

Phoenix Environmental Laboratories, Inc.
587 East Middle Turnpike
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Project Id : 25-17 38TH AVE

	Lab Sample Id	BD96938		BD96939	
	Collection Date	6/20/2013		6/20/2013	
	Client Id	SV 1		SV 2	
	Matrix	Air		Air	
	Units	Result	RL	Result	RL
Isopropylbenzene	ppbv	0.57	0.204	ND	0.204
m,p-Xylene	ppbv	9.75	0.23	3	0.23
Methyl Ethyl Ketone	ppbv	ND	0.339	1.89	0.339
Methyl tert-butyl ether(MTBE)	ppbv	ND	0.278	ND	0.278
Methylene Chloride	ppbv	4.73	0.288	1.14	0.288
n-Butylbenzene	ppbv	0.62	0.182	ND	0.182
o-Xylene	ppbv	4.26	0.23	1.34	0.23
Propylene	ppbv	42.8	0.581	10.4	0.581
sec-Butylbenzene	ppbv	ND	0.182	ND	0.182
Styrene	ppbv	ND	0.235	0.41	0.235
Tetrachloroethene	ppbv	0.18	0.037	0.19	0.037
Tetrahydrofuran	ppbv	3.53	0.339	1.04	0.339
Toluene	ppbv	16.8	0.266	4.92	0.266
Trans-1,2-Dichloroethene	ppbv	ND	0.252	ND	0.252
trans-1,3-Dichloropropene	ppbv	ND	0.22	ND	0.22
Trichloroethene	ppbv	ND	0.047	ND	0.047
Trichlorofluoromethane	ppbv	0.96	0.178	0.63	0.178
Trichlorotrifluoroethane	ppbv	ND	0.13	ND	0.13
Vinyl Chloride	ppbv	ND	0.098	ND	0.098
1,1,1,2-Tetrachloroethane	ug/m3	ND	1	ND	1
1,1,1-Trichloroethane	ug/m3	ND	1	ND	1
1,1,2,2-Tetrachloroethane	ug/m3	ND	1	ND	1
1,1,2-Trichloroethane	ug/m3	ND	1	ND	1
1,1-Dichloroethane	ug/m3	ND	1	ND	1
1,1-Dichloroethene	ug/m3	ND	1	ND	1
1,2,4-Trichlorobenzene	ug/m3	ND	1	ND	1
1,2,4-Trimethylbenzene	ug/m3	23.9	1	5.5	1
1,2-Dibromoethane(EDB)	ug/m3	ND	1	ND	1
1,2-Dichlorobenzene	ug/m3	ND	1	ND	1
1,2-Dichloroethane	ug/m3	ND	1	ND	1
1,2-dichloropropane	ug/m3	ND	1	ND	1
1,2-Dichlorotetrafluoroethane	ug/m3	ND	1	ND	1
1,3,5-Trimethylbenzene	ug/m3	7.02	1	1.28	1
1,3-Butadiene	ug/m3	ND	1	ND	1
1,3-Dichlorobenzene	ug/m3	2.94	1	ND	1
1,4-Dichlorobenzene	ug/m3	ND	1	ND	1
1,4-Dioxane	ug/m3	ND	1	ND	1
2-Hexanone(MBK)	ug/m3	ND	1	ND	1
4-Ethyltoluene	ug/m3	4.18	1	1.13	1
4-Isopropyltoluene	ug/m3	1.37	1	ND	1
4-Methyl-2-pentanone(MIBK)	ug/m3	1.72	1	1.96	1
Acetone	ug/m3	120	1	49.4	1
Acrylonitrile	ug/m3	ND	1	ND	1
Benzene	ug/m3	5.49	1	1.05	1
Benzyl chloride	ug/m3	ND	1	ND	1
Bromodichloromethane	ug/m3	ND	1	ND	1
Bromoform	ug/m3	ND	1	ND	1
Bromomethane	ug/m3	ND	1	ND	1
Carbon Disulfide	ug/m3	3.55	1	3.08	1

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Project Id : 25-17 38TH AVE

	Lab Sample Id	BD96938		BD96939	
	Collection Date	6/20/2013		6/20/2013	
	Client Id	SV 1		SV 2	
	Matrix	Air		Air	
	Units	Result	RL	Result	RL
Carbon Tetrachloride	ug/m3	0.566	0.25	0.503	0.25
Chlorobenzene	ug/m3	ND	1	ND	1
Chloroethane	ug/m3	ND	1	ND	1
Chloroform	ug/m3	1.71	1	4.78	1
Chloromethane	ug/m3	1.44	1	1.2	1
Cis-1,2-Dichloroethene	ug/m3	ND	1	ND	1
cis-1,3-Dichloropropene	ug/m3	ND	1	ND	1
Cyclohexane	ug/m3	8.22	1	5.81	1
Dibromochloromethane	ug/m3	ND	1	ND	1
Dichlorodifluoromethane	ug/m3	2.77	1	3.41	1
Ethanol	ug/m3	582	1	145	1
Ethyl acetate	ug/m3	16.1	1	3.13	1
Ethylbenzene	ug/m3	11.8	1	3.21	1
Heptane	ug/m3	7.41	1	1.52	1
Hexachlorobutadiene	ug/m3	ND	1	ND	1
Hexane	ug/m3	13	1	6.2	1
Isopropylalcohol	ug/m3	158	1	55	1
Isopropylbenzene	ug/m3	2.8	1	ND	1
m,p-Xylene	ug/m3	42.3	1	13	1
Methyl Ethyl Ketone	ug/m3	ND	1	5.57	1
Methyl tert-butyl ether(MTBE)	ug/m3	ND	1	ND	1
Methylene Chloride	ug/m3	16.4	1	3.96	1
n-Butylbenzene	ug/m3	3.4	1	ND	1
o-Xylene	ug/m3	18.5	1	5.81	1
Propylene	ug/m3	73.6	1	17.9	1
sec-Butylbenzene	ug/m3	ND	1	ND	1
Styrene	ug/m3	ND	1	1.74	1
Tetrachloroethene	ug/m3	1.22	0.25	1.29	0.25
Tetrahydrofuran	ug/m3	10.4	1	3.06	1
Toluene	ug/m3	63.3	1	18.5	1
Trans-1,2-Dichloroethene	ug/m3	ND	1	ND	1
trans-1,3-Dichloropropene	ug/m3	ND	1	ND	1
Trichloroethene	ug/m3	ND	0.25	ND	0.25
Trichlorofluoromethane	ug/m3	5.39	1	3.54	1
Trichlorotrifluoroethane	ug/m3	ND	1	ND	1
Vinyl Chloride	ug/m3	ND	0.25	ND	0.25

Result Detected

Phoenix Environmental Laboratories, Inc.
587 East Middle Turnpike
P.O. Box 370
Manchester, CT 06040
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Project Id : 25-17 38TH AVE.

	Lab Sample Id	BF09420		BF09421	
	Collection Date	7/19/2013		7/19/2013	
	Client Id	SV-4		SV-3	
	Matrix	Air		Air	
	Units	Result	RL	Result	RL
Volatiles (TO15) By TO15					
1,1,1,2-Tetrachloroethane	ppbv	ND	0.146	ND	0.146
1,1,1-Trichloroethane	ppbv	ND	0.183	ND	0.183
1,1,2,2-Tetrachloroethane	ppbv	ND	0.146	ND	0.146
1,1,2-Trichloroethane	ppbv	ND	0.183	ND	0.183
1,1-Dichloroethane	ppbv	ND	0.247	ND	0.247
1,1-Dichloroethene	ppbv	ND	0.252	ND	0.252
1,2,4-Trichlorobenzene	ppbv	ND	0.135	ND	0.135
1,2,4-Trimethylbenzene	ppbv	11.1	0.204	6.84	0.204
1,2-Dibromoethane(EDB)	ppbv	ND	0.13	ND	0.13
1,2-Dichlorobenzene	ppbv	ND	0.166	ND	0.166
1,2-Dichloroethane	ppbv	ND	0.247	ND	0.247
1,2-dichloropropane	ppbv	ND	0.216	ND	0.216
1,2-Dichlorotetrafluoroethane	ppbv	ND	0.143	ND	0.143
1,3,5-Trimethylbenzene	ppbv	3.18	0.204	1.87	0.204
1,3-Butadiene	ppbv	ND	0.452	ND	0.452
1,3-Dichlorobenzene	ppbv	ND	0.166	ND	0.166
1,4-Dichlorobenzene	ppbv	ND	0.166	ND	0.166
1,4-Dioxane	ppbv	ND	0.278	ND	0.278
2-Hexanone(MBK)	ppbv	ND	0.244	ND	0.244
4-Ethyltoluene	ppbv	2.34	0.204	1.62	0.204
4-Isopropyltoluene	ppbv	0.5	0.182	0.41	0.182
4-Methyl-2-pentanone(MIBK)	ppbv	0.5	0.244	0.47	0.244
Acetone	ppbv	87	0.421	21.7	0.421
Acrylonitrile	ppbv	ND	0.461	ND	0.461
Benzene	ppbv	13.6	0.313	7.03	0.313
Benzyl chloride	ppbv	ND	0.193	ND	0.193
Bromodichloromethane	ppbv	ND	0.149	ND	0.149
Bromoform	ppbv	ND	0.097	ND	0.097
Bromomethane	ppbv	ND	0.258	ND	0.258
Carbon Disulfide	ppbv	ND	0.321	0.77	0.321
Carbon Tetrachloride	ppbv	0.11	0.04	0.1	0.04
Chlorobenzene	ppbv	ND	0.217	ND	0.217
Chloroethane	ppbv	ND	0.379	ND	0.379
Chloroform	ppbv	0.49	0.205	0.7	0.205
Chloromethane	ppbv	ND	0.484	ND	0.484
Cis-1,2-Dichloroethene	ppbv	ND	0.252	ND	0.252
cis-1,3-Dichloropropene	ppbv	ND	0.22	ND	0.22
Cyclohexane	ppbv	11.8	0.291	5.96	0.291
Dibromochloromethane	ppbv	ND	0.117	ND	0.117
Dichlorodifluoromethane	ppbv	0.53	0.202	0.53	0.202
Ethanol	ppbv	389	0.531	193	0.531
Ethyl acetate	ppbv	ND	0.278	0.63	0.278
Ethylbenzene	ppbv	9.83	0.23	5.42	0.23
Heptane	ppbv	13	0.244	6.89	0.244
Hexachlorobutadiene	ppbv	ND	0.094	ND	0.094
Hexane	ppbv	36.2	0.284	20.9	0.284

Phoenix Environmental Laboratories, Inc.
587 East Middle Turnpike
P.O. Box 370
Manchester, CT 06040
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Project Id : 25-17 38TH AVE.

	Lab Sample Id	BF09420		BF09421	
	Collection Date	7/19/2013		7/19/2013	
	Client Id	SV-4		SV-3	
	Matrix	Air		Air	
	Units	Result	RL	Result	RL
Isopropylalcohol	ppbv	11.3	0.407	10.8	0.407
Isopropylbenzene	ppbv	0.97	0.204	0.51	0.204
m,p-Xylene	ppbv	31.9	0.23	18.7	0.23
Methyl Ethyl Ketone	ppbv	5.03	0.339	4.19	0.339
Methyl tert-butyl ether(MTBE)	ppbv	ND	0.278	ND	0.278
Methylene Chloride	ppbv	126	0.288	666	0.288
n-Butylbenzene	ppbv	0.81	0.182	0.55	0.182
o-Xylene	ppbv	12.2	0.23	6.76	0.23
Propylene	ppbv	ND	0.581	6.31	0.581
sec-Butylbenzene	ppbv	0.19	0.182	ND	0.182
Styrene	ppbv	0.51	0.235	0.55	0.235
Tetrachloroethene	ppbv	2.42	0.037	1.83	0.037
Tetrahydrofuran	ppbv	7.54	0.339	6.12	0.339
Toluene	ppbv	45.9	0.266	24.7	0.266
Trans-1,2-Dichloroethene	ppbv	ND	0.252	ND	0.252
trans-1,3-Dichloropropene	ppbv	ND	0.22	ND	0.22
Trichloroethene	ppbv	0.09	0.047	0.25	0.047
Trichlorofluoromethane	ppbv	0.34	0.178	0.46	0.178
Trichlorotrifluoroethane	ppbv	ND	0.13	ND	0.13
Vinyl Chloride	ppbv	ND	0.098	ND	0.098
1,1,1,2-Tetrachloroethane	ug/m3	ND	1	ND	1
1,1,1-Trichloroethane	ug/m3	ND	1	ND	1
1,1,2,2-Tetrachloroethane	ug/m3	ND	1	ND	1
1,1,2-Trichloroethane	ug/m3	ND	1	ND	1
1,1-Dichloroethane	ug/m3	ND	1	ND	1
1,1-Dichloroethene	ug/m3	ND	1	ND	1
1,2,4-Trichlorobenzene	ug/m3	ND	1	ND	1
1,2,4-Trimethylbenzene	ug/m3	54.5	1	33.6	1
1,2-Dibromoethane(EDB)	ug/m3	ND	1	ND	1
1,2-Dichlorobenzene	ug/m3	ND	1	ND	1
1,2-Dichloroethane	ug/m3	ND	1	ND	1
1,2-dichloropropane	ug/m3	ND	1	ND	1
1,2-Dichlorotetrafluoroethane	ug/m3	ND	1	ND	1
1,3,5-Trimethylbenzene	ug/m3	15.6	1	9.19	1
1,3-Butadiene	ug/m3	ND	1	ND	1
1,3-Dichlorobenzene	ug/m3	ND	1	ND	1
1,4-Dichlorobenzene	ug/m3	ND	1	ND	1
1,4-Dioxane	ug/m3	ND	1	ND	1
2-Hexanone(MBK)	ug/m3	ND	1	ND	1
4-Ethyltoluene	ug/m3	11.5	1	7.96	1
4-Isopropyltoluene	ug/m3	2.74	1	2.25	1
4-Methyl-2-pentanone(MIBK)	ug/m3	2.05	1	1.92	1
Acetone	ug/m3	206	1	51.5	1
Acrylonitrile	ug/m3	ND	1	ND	1
Benzene	ug/m3	43.4	1	22.4	1
Benzyl chloride	ug/m3	ND	1	ND	1
Bromodichloromethane	ug/m3	ND	1	ND	1
Bromoform	ug/m3	ND	1	ND	1

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Project Id : 25-17 38TH AVE.

	Lab Sample Id	BF09420		BF09421	
	Collection Date	7/19/2013		7/19/2013	
	Client Id	SV-4		SV-3	
	Matrix	Air		Air	
	Units	Result	RL	Result	RL
Bromomethane	ug/m3	ND	1	ND	1
Carbon Disulfide	ug/m3	ND	1	2.4	1
Carbon Tetrachloride	ug/m3	0.692	0.25	0.629	0.25
Chlorobenzene	ug/m3	ND	1	ND	1
Chloroethane	ug/m3	ND	1	ND	1
Chloroform	ug/m3	2.39	1	3.42	1
Chloromethane	ug/m3	ND	1	ND	1
Cis-1,2-Dichloroethene	ug/m3	ND	1	ND	1
cis-1,3-Dichloropropene	ug/m3	ND	1	ND	1
Cyclohexane	ug/m3	40.6	1	20.5	1
Dibromochloromethane	ug/m3	ND	1	ND	1
Dichlorodifluoromethane	ug/m3	2.62	1	2.62	1
Ethanol	ug/m3	732	1	363	1
Ethyl acetate	ug/m3	ND	1	2.27	1
Ethylbenzene	ug/m3	42.6	1	23.5	1
Heptane	ug/m3	53.2	1	28.2	1
Hexachlorobutadiene	ug/m3	ND	1	ND	1
Hexane	ug/m3	128	1	73.6	1
Isopropylalcohol	ug/m3	27.8	1	26.5	1
Isopropylbenzene	ug/m3	4.76	1	2.5	1
m,p-Xylene	ug/m3	138	1	81.1	1
Methyl Ethyl Ketone	ug/m3	14.8	1	12.3	1
Methyl tert-butyl ether(MTBE)	ug/m3	ND	1	ND	1
Methylene Chloride	ug/m3	437	1	2,310	1
n-Butylbenzene	ug/m3	4.44	1	3.02	1
o-Xylene	ug/m3	52.9	1	29.3	1
Propylene	ug/m3	ND	1	10.8	1
sec-Butylbenzene	ug/m3	1.04	1	ND	1
Styrene	ug/m3	2.17	1	2.34	1
Tetrachloroethene	ug/m3	16.4	0.25	12.4	0.25
Tetrahydrofuran	ug/m3	22.2	1	18	1
Toluene	ug/m3	173	1	93	1
Trans-1,2-Dichloroethene	ug/m3	ND	1	ND	1
trans-1,3-Dichloropropene	ug/m3	ND	1	ND	1
Trichloroethene	ug/m3	0.483	0.25	1.34	0.25
Trichlorofluoromethane	ug/m3	1.91	1	2.58	1
Trichlorotrifluoroethane	ug/m3	ND	1	ND	1
Vinyl Chloride	ug/m3	ND	0.25	ND	0.25

Result Detected

Phoenix Environmental Laboratories, Inc.
587 East Middle Turnpike
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Project Id : 25-11 & 25-17 38TH AVE

Lab Sample Id			BG16438		BG16439		BG16440		BG16441		BG16442		BG16443		BG16444		BG16445		BG16446	
Collection Date			3/5/2014		3/5/2014		3/5/2014		3/5/2014		3/5/2014		3/5/2014		3/5/2014		3/5/2014		3/5/2014	
Client Id			SB5 0-2		SB5 14-16		SB6 0-2		SB6 14-16		SB7 0-2		SB7 11		SB7 16-18		SB8 0-2		SB8-14-16	
Matrix			Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil	
	Units	NY-Res.	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Miscellaneous/Inorganics																				
Percent Solid	%		89		94		92		91		89		99		99		96		97	
Total Cyanide	mg/Kg	27	< 0.56	0.56	< 0.48	0.48	< 0.49	0.49	< 0.55	0.55	< 0.51	0.51	< 0.51	0.51	< 0.46	0.46	< 0.47	0.47	< 0.52	0.52
Metals, Total																				
Aluminum	mg/Kg		10,900	53	8,800	52	10,200	49	5,510	56	10,800	51	3,770	51	2,870	49	10,000	51	3,900	54
Antimony	mg/Kg		< 3.6	3.6	< 3.5	3.5	< 3.3	3.3	< 3.7	3.7	< 3.4	3.4	< 3.4	3.4	< 3.3	3.3	< 3.4	3.4	< 3.6	3.6
Arsenic	mg/Kg	16	3.4	0.7	< 0.7	0.7	2.6	0.7	< 0.7	0.7	2.8	0.7	< 0.7	0.7	< 0.7	0.7	< 0.7	0.7	< 0.7	0.7
Barium	mg/Kg	350	154	0.36	39.9	0.35	34.4	0.33	30.8	0.37	240	0.34	32.4	0.34	20.1	0.33	58.1	0.34	26.7	0.36
Beryllium	mg/Kg	14	0.46	0.28	0.59	0.28	0.46	0.26	< 0.30	0.3	0.38	0.27	< 0.27	0.27	< 0.26	0.26	0.44	0.27	< 0.29	0.29
Cadmium	mg/Kg	2.5	< 0.36	0.36	< 0.35	0.35	< 0.33	0.33	< 0.37	0.37	0.61	0.34	< 0.34	0.34	< 0.33	0.33	< 0.34	0.34	< 0.36	0.36
Calcium	mg/Kg		959	5.3	1,980	5.2	913	4.9	1,950	5.6	28,400	51	11,000	51	6,640	4.9	1,700	5.1	776	5.4
Chromium	mg/Kg		18	0.36	18.5	0.35	16.6	0.33	12.1	0.37	29.4	0.34	5.62	0.34	7.59	0.33	18.8	0.34	9.37	0.36
Cobalt	mg/Kg		5.58	0.36	5.71	0.35	5.62	0.33	4.78	0.37	6.38	0.34	3.54	0.34	2.93	0.33	8.73	0.34	2.72	0.36
Copper	mg/Kg	270	26.3	0.36	24.8	0.35	17.4	0.33	13.2	0.37	38.5	0.34	14	0.34	10.9	0.33	24.3	0.34	11	0.36
Iron	mg/Kg		15,900	53	13,400	52	17,200	49	11,200	56	20,200	51	8,720	51	7,190	4.9	16,400	51	6,770	5.4
Lead	mg/Kg	400	232	3.6	8.16	0.35	41	0.33	3.5	0.37	263	3.4	26.3	0.34	2.37	0.33	3.59	0.34	2.37	0.36
Magnesium	mg/Kg		2,230	5.3	3,830	5.2	2,730	4.9	2,790	5.6	6,870	51	8,290	51	5,200	49	4,610	5.1	1,900	5.4
Manganese	mg/Kg	2,000	373	3.6	403	3.5	309	3.3	344	3.7	342	3.4	379	3.4	201	3.3	340	3.4	240	3.6
Mercury	mg/Kg	0.81	0.27	0.06	< 0.06	0.06	< 0.09	0.09	< 0.08	0.08	0.41	0.08	< 0.06	0.06	< 0.06	0.06	< 0.06	0.06	< 0.08	0.08
Nickel	mg/Kg	140	12	0.36	16.4	0.35	15.9	0.33	12.9	0.37	20.9	0.34	8.67	0.34	8.26	0.33	20.5	0.34	7.33	0.36
Potassium	mg/Kg		908	5.3	946	5.2	1,170	4.9	1,100	5.6	2,470	5.1	626	5.1	568	4.9	2,560	5.1	813	5.4
Selenium	mg/Kg	36	< 1.4	1.4	< 1.4	1.4	< 1.3	1.3	< 1.5	1.5	< 1.4	1.4	< 1.3	1.3	< 1.3	1.3	< 1.4	1.4	< 1.4	1.4
Silver	mg/Kg	36	< 0.36	0.36	< 0.35	0.35	< 0.33	0.33	< 0.37	0.37	< 0.34	0.34	< 0.34	0.34	< 0.33	0.33	< 0.34	0.34	< 0.36	0.36
Sodium	mg/Kg		223	5.3	315	5.2	81.8	4.9	196	5.6	363	5.1	114	5.1	135	4.9	308	5.1	128	5.4
Thallium	mg/Kg		< 3.2	3.2	< 3.1	3.1	< 2.9	2.9	< 3.3	3.3	< 3.0	3	< 3.0	3	< 3.0	3	< 3.1	3.1	< 3.2	3.2
Vanadium	mg/Kg		24	0.36	20.6	0.35	21.8	0.33	16.8	0.37	30.6	0.34	7.25	0.34	10.4	0.33	26.2	0.34	13.9	0.36
Zinc	mg/Kg	2,200	137	0.36	36.1	0.35	146	3.3	19.8	0.37	264	3.4	16.4	0.34	15.6	0.33	33.4	0.34	11.8	0.36
PCBs By SW 8082																				
PCB-1016	ug/Kg	1,000	< 370	370	< 340	340	< 350	350	< 360	360	< 370	370	< 330	330	< 330	330	< 340	340	< 340	340
PCB-1221	ug/Kg	1,000	< 370	370	< 340	340	< 350	350	< 360	360	< 370	370	< 330	330	< 330	330	< 340	340	< 340	340
PCB-1232	ug/Kg	1,000	< 370	370	< 340	340	< 350	350	< 360	360	< 370	370	< 330	330	< 330	330	< 340	340	< 340	340
PCB-1242	ug/Kg	1,000	< 370	370	< 340	340	< 350	350	< 360	360	< 370	370	< 330	330	< 330	330	< 340	340	< 340	340
PCB-1248	ug/Kg	1,000	< 370	370	< 340	340	< 350	350	< 360	360	< 370	370	< 330	330	< 330	330	< 340	340	< 340	340
PCB-1254	ug/Kg	1,000	< 370	370	< 340	340	< 350	350	< 360	360	< 370	370	< 330	330	< 330	330	< 340	340	< 340	340
PCB-1260	ug/Kg	1,000	< 370	370	< 340	340	< 350	350	< 360	360	< 370	370	< 330	330	< 330	330	< 340	340	< 340	340
PCB-1262	ug/Kg		< 370	370	< 340	340	< 350	350	< 360	360	< 370	370	< 330	330	< 330	330	< 340	340	< 340	340
PCB-1268	ug/Kg		< 370	370	< 340	340	< 350	350	< 360	360	< 370	370	< 330	330	< 330	330	< 340	340	< 340	340

Phoenix Environmental Laboratories, Inc.

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Project Id : 25-11 & 25-17 38TH AVE

Lab Sample Id			BG16438		BG16439		BG16440		BG16441		BG16442		BG16443		BG16444		BG16445		BG16446	
Collection Date			3/5/2014		3/5/2014		3/5/2014		3/5/2014		3/5/2014		3/5/2014		3/5/2014		3/5/2014		3/5/2014	
Client Id			SB5 0-2		SB5 14-16		SB6 0-2		SB6 14-16		SB7 0-2		SB7 11		SB7 16-18		SB8 0-2		SB8-14-16	
Matrix			Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil	
	Units	NY-Res.	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Volatiles By SW8260																				
1,1,1,2-Tetrachloroethane	ug/Kg		< 14	14	< 8.7	8.7	< 14	14	< 10	10	< 13	13	< 6.2	6.2	< 15	15	< 8.4	8.4	< 7.5	7.5
1,1,1-Trichloroethane	ug/Kg	100,000	< 14	14	< 8.7	8.7	< 14	14	< 10	10	< 13	13	< 6.2	6.2	< 15	15	< 8.4	8.4	< 7.5	7.5
1,1,2,2-Tetrachloroethane	ug/Kg		< 8.4	8.4	< 5.2	5.2	< 8.1	8.1	< 6.3	6.3	< 7.7	7.7	< 3.7	3.7	< 8.8	8.8	< 5.1	5.1	< 4.5	4.5
1,1,2-Trichloroethane	ug/Kg		< 14	14	< 8.7	8.7	< 14	14	< 10	10	< 13	13	< 6.2	6.2	< 15	15	< 8.4	8.4	< 7.5	7.5
1,1-Dichloroethane	ug/Kg	19,000	< 14	14	< 8.7	8.7	< 14	14	< 10	10	< 13	13	< 6.2	6.2	< 15	15	< 8.4	8.4	< 7.5	7.5
1,1-Dichloroethene	ug/Kg	100,000	< 14	14	< 8.7	8.7	< 14	14	< 10	10	< 13	13	< 6.2	6.2	< 15	15	< 8.4	8.4	< 7.5	7.5
1,1-Dichloropropene	ug/Kg		< 14	14	< 8.7	8.7	< 14	14	< 10	10	< 13	13	< 6.2	6.2	< 15	15	< 8.4	8.4	< 7.5	7.5
1,2,3-Trichlorobenzene	ug/Kg		< 14	14	< 8.7	8.7	< 14	14	< 10	10	< 13	13	< 6.2	6.2	< 15	15	< 8.4	8.4	< 7.5	7.5
1,2,3-Trichloropropane	ug/Kg		< 14	14	< 8.7	8.7	< 14	14	< 10	10	< 13	13	< 6.2	6.2	< 15	15	< 8.4	8.4	< 7.5	7.5
1,2,4-Trichlorobenzene	ug/Kg		< 14	14	< 8.7	8.7	< 14	14	< 10	10	< 13	13	< 6.2	6.2	< 15	15	< 8.4	8.4	< 7.5	7.5
1,2,4-Trimethylbenzene	ug/Kg	47,000	< 14	14	< 8.7	8.7	< 14	14	< 10	10	< 13	13	< 6.2	6.2	< 15	15	< 8.4	8.4	< 7.5	7.5
1,2-Dibromo-3-chloropropane	ug/Kg		< 14	14	< 8.7	8.7	< 14	14	< 10	10	< 13	13	< 6.2	6.2	< 15	15	< 8.4	8.4	< 7.5	7.5
1,2-Dibromoethane	ug/Kg		< 14	14	< 8.7	8.7	< 14	14	< 10	10	< 13	13	< 6.2	6.2	< 15	15	< 8.4	8.4	< 7.5	7.5
1,2-Dichlorobenzene	ug/Kg	100,000	< 14	14	< 8.7	8.7	< 14	14	< 10	10	< 13	13	< 6.2	6.2	< 15	15	< 8.4	8.4	< 7.5	7.5
1,2-Dichloroethane	ug/Kg	2,300	< 14	14	< 8.7	8.7	< 14	14	< 10	10	< 13	13	< 6.2	6.2	< 15	15	< 8.4	8.4	< 7.5	7.5
1,2-Dichloropropane	ug/Kg		< 14	14	< 8.7	8.7	< 14	14	< 10	10	< 13	13	< 6.2	6.2	< 15	15	< 8.4	8.4	< 7.5	7.5
1,3,5-Trimethylbenzene	ug/Kg	47,000	< 14	14	< 8.7	8.7	< 14	14	< 10	10	< 13	13	< 6.2	6.2	< 15	15	< 8.4	8.4	< 7.5	7.5
1,3-Dichlorobenzene	ug/Kg	17,000	< 14	14	< 8.7	8.7	< 14	14	< 10	10	< 13	13	< 6.2	6.2	< 15	15	< 8.4	8.4	< 7.5	7.5
1,3-Dichloropropane	ug/Kg		< 14	14	< 8.7	8.7	< 14	14	< 10	10	< 13	13	< 6.2	6.2	< 15	15	< 8.4	8.4	< 7.5	7.5
1,4-Dichlorobenzene	ug/Kg	9,800	< 14	14	< 8.7	8.7	< 14	14	< 10	10	< 13	13	< 6.2	6.2	< 15	15	< 8.4	8.4	< 7.5	7.5
2,2-Dichloropropane	ug/Kg		< 14	14	< 8.7	8.7	< 14	14	< 10	10	< 13	13	< 6.2	6.2	< 15	15	< 8.4	8.4	< 7.5	7.5
2-Chlorotoluene	ug/Kg		< 14	14	< 8.7	8.7	< 14	14	< 10	10	< 13	13	< 6.2	6.2	< 15	15	< 8.4	8.4	< 7.5	7.5
2-Hexanone	ug/Kg		< 70	70	< 43	43	< 68	68	< 52	52	< 64	64	< 31	31	< 73	73	< 42	42	< 37	37
2-Isopropyltoluene	ug/Kg		< 14	14	< 8.7	8.7	< 14	14	< 10	10	< 13	13	< 6.2	6.2	< 15	15	< 8.4	8.4	< 7.5	7.5
4-Chlorotoluene	ug/Kg		< 14	14	< 8.7	8.7	< 14	14	< 10	10	< 13	13	< 6.2	6.2	< 15	15	< 8.4	8.4	< 7.5	7.5
4-Methyl-2-pentanone	ug/Kg		< 70	70	< 43	43	< 68	68	< 52	52	< 64	64	< 31	31	< 73	73	< 42	42	< 37	37
Acetone	ug/Kg	100,000	< 84	84	< 52	52	< 81	81	< 63	63	< 77	77	< 37	37	< 88	88	< 51	51	< 45	45
Acrylonitrile	ug/Kg		< 14	14	< 8.7	8.7	< 14	14	< 10	10	< 13	13	< 6.2	6.2	< 15	15	< 8.4	8.4	< 7.5	7.5
Benzene	ug/Kg	2,900	< 14	14	< 8.7	8.7	< 14	14	< 10	10	< 13	13	< 6.2	6.2	< 15	15	< 8.4	8.4	< 7.5	7.5
Bromobenzene	ug/Kg		< 14	14	< 8.7	8.7	< 14	14	< 10	10	< 13	13	< 6.2	6.2	< 15	15	< 8.4	8.4	< 7.5	7.5
Bromochloromethane	ug/Kg		< 14	14	< 8.7	8.7	< 14	14	< 10	10	< 13	13	< 6.2	6.2	< 15	15	< 8.4	8.4	< 7.5	7.5
Bromodichloromethane	ug/Kg		< 14	14	< 8.7	8.7	< 14	14	< 10	10	< 13	13	< 6.2	6.2	< 15	15	< 8.4	8.4	< 7.5	7.5
Bromoform	ug/Kg		< 14	14	< 8.7	8.7	< 14	14	< 10	10	< 13	13	< 6.2	6.2	< 15	15	< 8.4	8.4	< 7.5	7.5
Bromomethane	ug/Kg		< 14	14	< 8.7	8.7	< 14	14	< 10	10	< 13	13	< 6.2	6.2	< 15	15	< 8.4	8.4	< 7.5	7.5
Carbon Disulfide	ug/Kg		< 14	14	< 8.7	8.7	< 14	14	< 10	10	< 13	13	< 6.2	6.2	< 15	15	< 8.4	8.4	< 7.5	7.5
Carbon tetrachloride	ug/Kg	1,400	< 14	14	< 8.7	8.7	< 14	14	< 10	10	< 13	13	< 6.2	6.2	< 15	15	< 8.4	8.4	< 7.5	7.5
Chlorobenzene	ug/Kg	100,000	< 14	14	< 8.7	8.7	< 14	14	< 10	10	< 13	13	< 6.2	6.2	< 15	15	< 8.4	8.4	< 7.5	7.5
Chloroethane	ug/Kg		< 14	14	< 8.7	8.7	< 14	14	< 10	10	< 13	13	< 6.2	6.2	< 15	15	< 8.4	8.4	< 7.5	7.5
Chloroform	ug/Kg	10,000	< 14	14	< 8.7	8.7	< 14	14	< 10	10	< 13	13	< 6.2	6.2	< 15	15	< 8.4	8.4	< 7.5	7.5
Chloromethane	ug/Kg		< 14	14	< 8.7	8.7	< 14	14	< 10	10	< 13	13	< 6.2	6.2	< 15	15	< 8.4	8.4	< 7.5	7.5
cis-1,2-Dichloroethene	ug/Kg	59,000	< 14	14	< 8.7	8.7	< 14	14	< 10	10	< 13	13	< 6.2	6.2	< 15	15	< 8.4	8.4	< 7.5	7.5
cis-1,3-Dichloropropene	ug/Kg		< 14	14	< 8.7	8.7	< 14	14	< 10	10	< 13	13	< 6.2	6.2	< 15	15	< 8.4	8.4	< 7.5	7.5
Dibromochloromethane	ug/Kg		< 8.4	8.4	< 5.2	5.2	< 8.1	8.1	< 6.3	6.3	< 7.7	7.7	< 3.7	3.7	< 8.8	8.8	< 5.1	5.1	< 4.5	4.5
Dibromomethane	ug/Kg		< 14	14	< 8.7	8.7	< 14	14	< 10	10	< 13	13	< 6.2	6.2	< 15	15	< 8.4	8.4	< 7.5	7.5
Dichlorodifluoromethane	ug/Kg		< 14	14	< 8.7	8.7	< 14	14	< 10	10	< 13	13	< 6.2	6.2	< 15	15	< 8.4	8.4	< 7.5	7.5
Ethylbenzene	ug/Kg	30,000	< 14	14	< 8.7	8.7	< 14	14	< 10	10	< 13	13	< 6.2	6.2	< 15	15	< 8.4	8.4	< 7.5	7.5
Hexachlorobutadiene	ug/Kg		< 14	14	< 8.7	8.7	< 14	14	< 10	10	< 13	13	< 6.2	6.2	< 15	15	< 8.4	8.4	< 7.5	7.5
Isopropylbenzene	ug/Kg		< 14	14	< 8.7	8.7	< 14	14	< 10	10	< 13	13	< 6.2	6.2	< 15	15	< 8.4	8.4	< 7.5	7.5
m&p-Xylene	ug/Kg		< 14	14	< 8.7	8.7	< 14	14	< 10	10	< 13	13	< 6.2	6.2	< 15	15	< 8.4	8.4	< 7.5	7.5
Methyl Ethyl Ketone	ug/Kg	100,000	< 84	84	< 52	52	< 81	81	< 63	63	< 77	77	< 37	37	< 88	88	< 51	51	< 45	45
Methyl t-butyl ether (MTBE)	ug/Kg	62,000	< 28	28	< 17	17	< 27	27	< 21	21	< 26	26	< 12	12	< 29	29	< 17	17	< 15	15
Methylene chloride	ug/Kg	51,000	< 14	14	< 8.7	8.7	< 14	14	< 10	10	< 13	13	< 6.2	6.2	< 15	15	< 8.4	8.4	< 7.5	7.5

Phoenix Environmental Laboratories, Inc.
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Project Id : 25-11 & 25-17 38TH AVE

Lab Sample Id			BG16438		BG16439		BG16440		BG16441		BG16442		BG16443		BG16444		BG16445		BG16446	
Collection Date			3/5/2014		3/5/2014		3/5/2014		3/5/2014		3/5/2014		3/5/2014		3/5/2014		3/5/2014		3/5/2014	
Client Id			SB5 0-2		SB5 14-16		SB6 0-2		SB6 14-16		SB7 0-2		SB7 11		SB7 16-18		SB8 0-2		SB8-14-16	
Matrix			Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil	
	Units	NY-Res.	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Naphthalene	ug/Kg		< 14	14	< 8.7	8.7	< 14	14	< 10	10	< 13	13	< 6.2	6.2	< 15	15	< 8.4	8.4	< 7.5	7.5
n-Butylbenzene	ug/Kg	100,000	< 14	14	< 8.7	8.7	< 14	14	< 10	10	< 13	13	< 6.2	6.2	< 15	15	< 8.4	8.4	< 7.5	7.5
n-Propylbenzene	ug/Kg	100,000	< 14	14	< 8.7	8.7	< 14	14	< 10	10	< 13	13	< 6.2	6.2	< 15	15	< 8.4	8.4	< 7.5	7.5
o-Xylene	ug/Kg		< 14	14	< 8.7	8.7	< 14	14	< 10	10	< 13	13	< 6.2	6.2	< 15	15	< 8.4	8.4	< 7.5	7.5
p-Isopropyltoluene	ug/Kg		< 14	14	< 8.7	8.7	< 14	14	< 10	10	< 13	13	< 6.2	6.2	< 15	15	< 8.4	8.4	< 7.5	7.5
sec-Butylbenzene	ug/Kg	100,000	< 14	14	< 8.7	8.7	< 14	14	< 10	10	< 13	13	< 6.2	6.2	< 15	15	< 8.4	8.4	< 7.5	7.5
Styrene	ug/Kg		< 14	14	< 8.7	8.7	< 14	14	< 10	10	< 13	13	< 6.2	6.2	< 15	15	< 8.4	8.4	< 7.5	7.5
tert-Butylbenzene	ug/Kg	100,000	< 14	14	< 8.7	8.7	< 14	14	< 10	10	< 13	13	< 6.2	6.2	< 15	15	< 8.4	8.4	< 7.5	7.5
Tetrachloroethene	ug/Kg	5,500	< 14	14	< 8.7	8.7	< 14	14	< 10	10	< 13	13	< 6.2	6.2	< 15	15	< 8.4	8.4	< 7.5	7.5
Tetrahydrofuran (THF)	ug/Kg		< 28	28	< 17	17	< 27	27	< 21	21	< 26	26	< 12	12	< 29	29	< 17	17	< 15	15
Toluene	ug/Kg	100,000	< 14	14	< 8.7	8.7	< 14	14	< 10	10	< 13	13	< 6.2	6.2	< 15	15	< 8.4	8.4	< 7.5	7.5
Total Xylenes	ug/Kg		< 14	14	< 8.7	8.7	< 14	14	< 10	10	< 13	13	< 6.2	6.2	< 15	15	< 8.4	8.4	< 7.5	7.5
trans-1,2-Dichloroethene	ug/Kg	100,000	< 14	14	< 8.7	8.7	< 14	14	< 10	10	< 13	13	< 6.2	6.2	< 15	15	< 8.4	8.4	< 7.5	7.5
trans-1,3-Dichloropropene	ug/Kg		< 14	14	< 8.7	8.7	< 14	14	< 10	10	< 13	13	< 6.2	6.2	< 15	15	< 8.4	8.4	< 7.5	7.5
trans-1,4-dichloro-2-butene	ug/Kg		< 28	28	< 17	17	< 27	27	< 21	21	< 26	26	< 12	12	< 29	29	< 17	17	< 15	15
Trichloroethene	ug/Kg	10,000	< 14	14	< 8.7	8.7	< 14	14	< 10	10	< 13	13	< 6.2	6.2	< 15	15	< 8.4	8.4	< 7.5	7.5
Trichlorofluoromethane	ug/Kg		< 14	14	< 8.7	8.7	< 14	14	< 10	10	< 13	13	< 6.2	6.2	< 15	15	< 8.4	8.4	< 7.5	7.5
Trichlorotrifluoroethane	ug/Kg		< 14	14	< 8.7	8.7	< 14	14	< 10	10	< 13	13	< 6.2	6.2	< 15	15	< 8.4	8.4	< 7.5	7.5
Vinyl chloride	ug/Kg	210	< 14	14	< 8.7	8.7	< 14	14	< 10	10	< 13	13	< 6.2	6.2	< 15	15	< 8.4	8.4	< 7.5	7.5
Semivolatiles By SW 8270																				
1,2,4,5-Tetrachlorobenzene	ug/Kg		< 6400	6,400	< 240	240	< 250	250	< 250	250	< 2600	2,600	< 230	230	< 230	230	< 240	240	< 240	240
1,2,4-Trichlorobenzene	ug/Kg		< 6400	6,400	< 240	240	< 250	250	< 250	250	< 2600	2,600	< 230	230	< 230	230	< 240	240	< 240	240
1,2-Dichlorobenzene	ug/Kg		< 6400	6,400	< 240	240	< 250	250	< 250	250	< 2600	2,600	< 230	230	< 230	230	< 240	240	< 240	240
1,2-Diphenylhydrazine	ug/Kg		< 9100	9,100	< 350	350	< 360	360	< 360	360	< 3700	3,700	< 330	330	< 330	330	< 340	340	< 340	340
1,3-Dichlorobenzene	ug/Kg		< 6400	6,400	< 240	240	< 250	250	< 250	250	< 2600	2,600	< 230	230	< 230	230	< 240	240	< 240	240
1,4-Dichlorobenzene	ug/Kg		< 6400	6,400	< 240	240	< 250	250	< 250	250	< 2600	2,600	< 230	230	< 230	230	< 240	240	< 240	240
2,4,5-Trichlorophenol	ug/Kg		< 6400	6,400	< 240	240	< 250	250	< 250	250	< 2600	2,600	< 230	230	< 230	230	< 240	240	< 240	240
2,4,6-Trichlorophenol	ug/Kg		< 6400	6,400	< 240	240	< 250	250	< 250	250	< 2600	2,600	< 230	230	< 230	230	< 240	240	< 240	240
2,4-Dichlorophenol	ug/Kg		< 6400	6,400	< 240	240	< 250	250	< 250	250	< 2600	2,600	< 230	230	< 230	230	< 240	240	< 240	240
2,4-Dimethylphenol	ug/Kg		< 6400	6,400	< 240	240	< 250	250	< 250	250	< 2600	2,600	< 230	230	< 230	230	< 240	240	< 240	240
2,4-Dinitrophenol	ug/Kg		< 15000	15,000	< 560	560	< 570	570	< 580	580	< 5900	5,900	< 530	530	< 530	530	< 540	540	< 540	540
2,4-Dinitrotoluene	ug/Kg		< 6400	6,400	< 240	240	< 250	250	< 250	250	< 2600	2,600	< 230	230	< 230	230	< 240	240	< 240	240
2,6-Dinitrotoluene	ug/Kg		< 6400	6,400	< 240	240	< 250	250	< 250	250	< 2600	2,600	< 230	230	< 230	230	< 240	240	< 240	240
2-Chloronaphthalene	ug/Kg		< 6400	6,400	< 240	240	< 250	250	< 250	250	< 2600	2,600	< 230	230	< 230	230	< 240	240	< 240	240
2-Chlorophenol	ug/Kg		< 6400	6,400	< 240	240	< 250	250	< 250	250	< 2600	2,600	< 230	230	< 230	230	< 240	240	< 240	240
2-Methylnaphthalene	ug/Kg		< 6400	6,400	< 240	240	< 250	250	< 250	250	< 2600	2,600	< 230	230	< 230	230	< 240	240	< 240	240
2-Methylphenol (o-cresol)	ug/Kg	100,000	< 6400	6,400	< 240	240	< 250	250	< 250	250	< 2600	2,600	< 230	230	< 230	230	< 240	240	< 240	240
2-Nitroaniline	ug/Kg		< 15000	15,000	< 560	560	< 570	570	< 580	580	< 5900	5,900	< 530	530	< 530	530	< 540	540	< 540	540
2-Nitrophenol	ug/Kg		< 6400	6,400	< 240	240	< 250	250	< 250	250	< 2600	2,600	< 230	230	< 230	230	< 240	240	< 240	240
3&4-Methylphenol (m&p-cresol)	ug/Kg		< 9100	9,100	< 350	350	< 360	360	< 360	360	< 3700	3,700	< 330	330	< 330	330	< 340	340	< 340	340
3,3'-Dichlorobenzidine	ug/Kg		< 6400	6,400	< 240	240	< 250	250	< 250	250	< 2600	2,600	< 230	230	< 230	230	< 240	240	< 240	240
3-Nitroaniline	ug/Kg		< 15000	15,000	< 560	560	< 570	570	< 580	580	< 5900	5,900	< 530	530	< 530	530	< 540	540	< 540	540
4,6-Dinitro-2-methylphenol	ug/Kg		< 26000	26,000	< 1000	1,000	< 1000	1,000	< 1100	1,100	< 11000	11,000	< 960	960	< 960	960	< 980	980	< 990	990
4-Bromophenyl phenyl ether	ug/Kg		< 9100	9,100	< 350	350	< 360	360	< 360	360	< 3700	3,700	< 330	330	< 330	330	< 340	340	< 340	340
4-Chloro-3-methylphenol	ug/Kg		< 6400	6,400	< 240	240	< 250	250	< 250	250	< 2600	2,600	< 230	230	< 230	230	< 240	240	< 240	240
4-Chloroaniline	ug/Kg		< 6400	6,400	< 240	240	< 250	250	< 250	250	< 2600	2,600	< 230	230	< 230	230	< 240	240	< 240	240
4-Chlorophenyl phenyl ether	ug/Kg		< 6400	6,400	< 240	240	< 250	250	< 250	250	< 2600	2,600	< 230	230	< 230	230	< 240	240	< 240	240
4-Nitroaniline	ug/Kg		< 15000	15,000	< 560	560	< 570	570	< 580	580	< 5900	5,900	< 530	530	< 530	530	< 540	540	< 540	540
4-Nitrophenol	ug/Kg		< 26000	26,000	< 1000	1,000	< 1000	1,000	< 1100	1,100	< 11000	11,000	< 960	960	< 960	960	< 980	980	< 990	990
Acenaphthene	ug/Kg	100,000	9,000	6,400	< 240	240	< 250	250	< 250	250	< 2600	2,600	< 230	230	< 230	230	< 240	240	< 240	240
Acenaphthylene	ug/Kg	100,000	< 6400	6,400	< 240	240	< 250	250	< 250	250	< 2600	2,600	< 230	230	< 230	230	< 240	240	< 240	240
Acetophenone	ug/Kg		< 6400	6,400	< 240	240	< 250	250	< 250	250	< 2600	2,600	< 230	230	< 230	230	< 240	240	< 240	240

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Lab Sample Id			BG16438		BG16439		BG16440		BG16441		BG16442		BG16443		BG16444		BG16445		BG16446	
Collection Date			3/5/2014		3/5/2014		3/5/2014		3/5/2014		3/5/2014		3/5/2014		3/5/2014		3/5/2014		3/5/2014	
Client Id			SB5 0-2		SB5 14-16		SB6 0-2		SB6 14-16		SB7 0-2		SB7 11		SB7 16-18		SB8 0-2		SB8-14-16	
Matrix			Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil	
	Units	NY-Res.	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Aniline	ug/Kg		< 26000	26,000	< 1000	1,000	< 1000	1,000	< 1100	1,100	< 11000	11,000	< 960	960	< 960	960	< 980	980	< 990	990
Anthracene	ug/Kg	100,000	19,000	6,400	< 240	240	< 250	250	< 250	250	< 2600	2,600	< 230	230	< 230	230	< 240	240	< 240	240
Benz(a)anthracene	ug/Kg	1,000	31,000	6,400	< 240	240	< 250	250	< 250	250	5,500	2,600	< 230	230	< 230	230	< 240	240	< 240	240
Benzidine	ug/Kg		< 11000	11,000	< 420	420	< 430	430	< 440	440	< 4400	4,400	< 400	400	< 400	400	< 410	410	< 410	410
Benzo(a)pyrene	ug/Kg	1,000	25,000	6,400	< 240	240	< 250	250	< 250	250	5,000	2,600	< 230	230	< 230	230	< 240	240	< 240	240
Benzo(b)fluoranthene	ug/Kg	1,000	31,000	6,400	< 240	240	< 250	250	< 250	250	6,500	2,600	< 230	230	< 230	230	< 240	240	< 240	240
Benzo(ghi)perylene	ug/Kg	100,000	15,000	6,400	< 240	240	< 250	250	< 250	250	3,300	2,600	< 230	230	< 230	230	< 240	240	< 240	240
Benzo(k)fluoranthene	ug/Kg	1,000	9,800	6,400	< 240	240	< 250	250	< 250	250	< 2600	2,600	< 230	230	< 230	230	< 240	240	< 240	240
Benzoic acid	ug/Kg		< 26000	26,000	< 1000	1,000	< 1000	1,000	< 1100	1,100	< 11000	11,000	< 960	960	< 960	960	< 980	980	< 990	990
Benzyl butyl phthalate	ug/Kg		< 6400	6,400	< 240	240	< 250	250	< 250	250	< 2600	2,600	< 230	230	< 230	230	< 240	240	< 240	240
Bis(2-chloroethoxy)methane	ug/Kg		< 6400	6,400	< 240	240	< 250	250	< 250	250	< 2600	2,600	< 230	230	< 230	230	< 240	240	< 240	240
Bis(2-chloroethyl)ether	ug/Kg		< 9100	9,100	< 350	350	< 360	360	< 360	360	< 3700	3,700	< 330	330	< 330	330	< 340	340	< 340	340
Bis(2-chloroisopropyl)ether	ug/Kg		< 6400	6,400	< 240	240	< 250	250	< 250	250	< 2600	2,600	< 230	230	< 230	230	< 240	240	< 240	240
Bis(2-ethylhexyl)phthalate	ug/Kg		< 6400	6,400	< 240	240	< 250	250	< 250	250	3,300	2,600	< 230	230	< 230	230	< 240	240	< 240	240
Carbazole	ug/Kg		< 14000	14,000	< 520	520	< 540	540	< 540	540	< 5500	5,500	< 500	500	< 500	500	< 510	510	< 510	510
Chrysene	ug/Kg	1,000	32,000	6,400	< 240	240	< 250	250	< 250	250	5,500	2,600	< 230	230	< 230	230	< 240	240	< 240	240
Dibenz(a,h)anthracene	ug/Kg	330	< 6400	6,400	< 240	240	< 250	250	< 250	250	< 2600	2,600	< 230	230	< 230	230	< 240	240	< 240	240
Dibenzofuran	ug/Kg		7,400	6,400	< 240	240	< 250	250	< 250	250	< 2600	2,600	< 230	230	< 230	230	< 240	240	< 240	240
Diethyl phthalate	ug/Kg		< 6400	6,400	< 240	240	< 250	250	< 250	250	< 2600	2,600	< 230	230	< 230	230	< 240	240	< 240	240
Dimethylphthalate	ug/Kg		< 6400	6,400	< 240	240	< 250	250	< 250	250	< 2600	2,600	< 230	230	< 230	230	< 240	240	< 240	240
Di-n-butylphthalate	ug/Kg		< 6400	6,400	< 240	240	< 250	250	< 250	250	< 2600	2,600	< 230	230	< 230	230	< 240	240	< 240	240
Di-n-octylphthalate	ug/Kg		< 6400	6,400	< 240	240	< 250	250	< 250	250	< 2600	2,600	< 230	230	< 230	230	< 240	240	< 240	240
Fluoranthene	ug/Kg	100,000	87,000	6,400	< 240	240	< 250	250	< 250	250	12,000	2,600	< 230	230	< 230	230	< 240	240	< 240	240
Fluorene	ug/Kg	100,000	10,000	6,400	< 240	240	< 250	250	< 250	250	< 2600	2,600	< 230	230	< 230	230	< 240	240	< 240	240
Hexachlorobenzene	ug/Kg		< 6400	6,400	< 240	240	< 250	250	< 250	250	< 2600	2,600	< 230	230	< 230	230	< 240	240	< 240	240
Hexachlorobutadiene	ug/Kg		< 6400	6,400	< 240	240	< 250	250	< 250	250	< 2600	2,600	< 230	230	< 230	230	< 240	240	< 240	240
Hexachlorocyclopentadiene	ug/Kg		< 6400	6,400	< 240	240	< 250	250	< 250	250	< 2600	2,600	< 230	230	< 230	230	< 240	240	< 240	240
Hexachloroethane	ug/Kg		< 6400	6,400	< 240	240	< 250	250	< 250	250	< 2600	2,600	< 230	230	< 230	230	< 240	240	< 240	240
Indeno(1,2,3-cd)pyrene	ug/Kg	500	13,000	6,400	< 240	240	< 250	250	< 250	250	3,100	2,600	< 230	230	< 230	230	< 240	240	< 240	240
Isophorone	ug/Kg		< 6400	6,400	< 240	240	< 250	250	< 250	250	< 2600	2,600	< 230	230	< 230	230	< 240	240	< 240	240
Naphthalene	ug/Kg	100,000	10,000	6,400	< 240	240	< 250	250	< 250	250	< 2600	2,600	< 230	230	< 230	230	< 240	240	< 240	240
Nitrobenzene	ug/Kg		< 6400	6,400	< 240	240	< 250	250	< 250	250	< 2600	2,600	< 230	230	< 230	230	< 240	240	< 240	240
N-Nitrosodimethylamine	ug/Kg		< 9100	9,100	< 350	350	< 360	360	< 360	360	< 3700	3,700	< 330	330	< 330	330	< 340	340	< 340	340
N-Nitrosodi-n-propylamine	ug/Kg		< 6400	6,400	< 240	240	< 250	250	< 250	250	< 2600	2,600	< 230	230	< 230	230	< 240	240	< 240	240
N-Nitrosodiphenylamine	ug/Kg		< 9100	9,100	< 350	350	< 360	360	< 360	360	< 3700	3,700	< 330	330	< 330	330	< 340	340	< 340	340
Pentachloronitrobenzene	ug/Kg		< 9100	9,100	< 350	350	< 360	360	< 360	360	< 3700	3,700	< 330	330	< 330	330	< 340	340	< 340	340
Pentachlorophenol	ug/Kg	2,400	< 9100	9,100	< 350	350	< 360	360	< 360	360	< 3700	3,700	< 330	330	< 330	330	< 340	340	< 340	340
Phenanthrene	ug/Kg	100,000	130,000	6,400	< 240	240	< 250	250	< 250	250	9,100	2,600	< 230	230	< 230	230	< 240	240	< 240	240
Phenol	ug/Kg	100,000	< 6400	6,400	< 240	240	< 250	250	< 250	250	< 2600	2,600	< 230	230	< 230	230	< 240	240	< 240	240
Pyrene	ug/Kg	100,000	77,000	6,400	< 240	240	< 250	250	< 250	250	9,900	2,600	< 230	230	< 230	230	< 240	240	< 240	240
Pyridine	ug/Kg		< 9100	9,100	< 350	350	< 360	360	< 360	360	< 3700	3,700	< 330	330	< 330	330	< 340	340	< 340	340

Phoenix Environmental Laboratories, Inc.
587 East Middle Turnpike
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Manchester, CT 06040
(860) 645-1102

Project Id : 25-11 & 25-17 38TH AVE

Lab Sample Id			BG16438		BG16439		BG16440		BG16441		BG16442		BG16443		BG16444		BG16445		BG16446	
Collection Date			3/5/2014		3/5/2014		3/5/2014		3/5/2014		3/5/2014		3/5/2014		3/5/2014		3/5/2014		3/5/2014	
Client Id			SB5 0-2		SB5 14-16		SB6 0-2		SB6 14-16		SB7 0-2		SB7 11		SB7 16-18		SB8 0-2		SB8-14-16	
Matrix			Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil	
	Units	NY-Res.	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Pesticides By SW8081																				
4,4' -DDD	ug/Kg	2,600	< 71	71	< 6.6	6.6	< 6.8	6.8	< 6.8	6.8	< 35	35	< 6.3	6.3	< 6.4	6.4	< 6.5	6.5	< 6.6	6.6
4,4' -DDE	ug/Kg	1,800	< 71	71	< 6.6	6.6	< 6.8	6.8	< 6.8	6.8	< 35	35	< 6.3	6.3	< 6.4	6.4	< 6.5	6.5	< 6.6	6.6
4,4' -DDT	ug/Kg	1,700	< 71	71	< 6.6	6.6	< 6.8	6.8	< 6.8	6.8	< 35	35	< 6.3	6.3	< 6.4	6.4	< 6.5	6.5	< 6.6	6.6
a-BHC	ug/Kg	97	< 36	36	< 3.3	3.3	< 3.4	3.4	< 3.4	3.4	< 18	18	< 3.1	3.1	< 3.2	3.2	< 3.2	3.2	< 3.3	3.3
Alachlor	ug/Kg		< 36	36	< 3.3	3.3	< 3.4	3.4	< 3.4	3.4	< 18	18	< 3.1	3.1	< 3.2	3.2	< 3.2	3.2	< 3.3	3.3
Aldrin	ug/Kg	19	< 11	11	< 1.0	1	< 1.0	1	< 1.1	1.1	< 5.5	5.5	< 0.98	0.98	< 1.0	1	< 1.0	1	< 1.0	1
b-BHC	ug/Kg	72	< 36	36	< 3.3	3.3	< 3.4	3.4	< 3.4	3.4	< 18	18	< 3.1	3.1	< 3.2	3.2	< 3.2	3.2	< 3.3	3.3
Chlordane	ug/Kg		< 110	110	< 10	10	< 10	10	< 11	11	< 55	55	< 9.8	9.8	< 10	10	< 10	10	< 10	10
d-BHC	ug/Kg	100,000	< 36	36	< 3.3	3.3	< 3.4	3.4	< 3.4	3.4	< 18	18	< 3.1	3.1	< 3.2	3.2	< 3.2	3.2	< 3.3	3.3
Dieldrin	ug/Kg	39	< 11	11	< 1.0	1	< 1.0	1	< 1.1	1.1	11	5.5	< 0.98	0.98	< 1.0	1	< 1.0	1	< 1.0	1
Endosulfan I	ug/Kg	4,800	< 36	36	< 3.3	3.3	< 3.4	3.4	< 3.4	3.4	< 18	18	< 3.1	3.1	< 3.2	3.2	< 3.2	3.2	< 3.3	3.3
Endosulfan II	ug/Kg	4,800	< 71	71	< 6.6	6.6	< 6.8	6.8	< 6.8	6.8	< 35	35	< 6.3	6.3	< 6.4	6.4	< 6.5	6.5	< 6.6	6.6
Endosulfan sulfate	ug/Kg	4,800	< 71	71	< 6.6	6.6	< 6.8	6.8	< 6.8	6.8	< 35	35	< 6.3	6.3	< 6.4	6.4	< 6.5	6.5	< 6.6	6.6
Endrin	ug/Kg	2,200	< 71	71	< 6.6	6.6	< 6.8	6.8	< 6.8	6.8	< 35	35	< 6.3	6.3	< 6.4	6.4	< 6.5	6.5	< 6.6	6.6
Endrin aldehyde	ug/Kg		< 71	71	< 6.6	6.6	< 6.8	6.8	< 6.8	6.8	< 35	35	< 6.3	6.3	< 6.4	6.4	< 6.5	6.5	< 6.6	6.6
Endrin ketone	ug/Kg		< 71	71	< 6.6	6.6	< 6.8	6.8	< 6.8	6.8	< 35	35	< 6.3	6.3	< 6.4	6.4	< 6.5	6.5	< 6.6	6.6
g-BHC	ug/Kg	280	< 11	11	< 1.0	1	< 1.0	1	< 1.1	1.1	< 5.5	5.5	< 0.98	0.98	< 1.0	1	< 1.0	1	< 1.0	1
Heptachlor	ug/Kg	420	< 22	22	< 2.1	2.1	< 2.1	2.1	< 2.1	2.1	< 11	11	< 2.0	2	< 2.0	2	< 2.0	2	< 2.1	2.1
Heptachlor epoxide	ug/Kg		< 36	36	< 3.3	3.3	< 3.4	3.4	< 3.4	3.4	< 18	18	< 3.1	3.1	< 3.2	3.2	< 3.2	3.2	< 3.3	3.3
Methoxychlor	ug/Kg		< 360	360	< 33	33	< 34	34	< 34	34	< 180	180	< 31	31	< 32	32	< 32	32	< 33	33
Toxaphene	ug/Kg		< 1800	1,800	< 170	170	< 180	180	< 180	180	< 920	920	< 160	160	< 170	170	< 170	170	< 170	170

Result Detected

RL Exceeds Criteria

Result Exceeds Criteria

Phoenix Environmental Laboratories, Inc.
587 East Middle Turnpike
P.O. Box 370
Manchester, CT 06040
(860) 645-1102

Project Id : 25-11 & 25-17 38TH AVE

	Lab Sample Id	BG16436		BG16437	
	Collection Date	3/5/2014		3/5/2014	
	Client Id	SV3		SV4	
	Matrix	Air		Air	
	Units	Result	RL	Result	RL
Volatiles (TO15) By TO15					
1,1,1,2-Tetrachloroethane	ppbv	< 0.146	0.146	< 0.146	0.146
1,1,1-Trichloroethane	ppbv	< 0.183	0.183	< 0.183	0.183
1,1,2,2-Tetrachloroethane	ppbv	< 0.146	0.146	< 0.146	0.146
1,1,2-Trichloroethane	ppbv	< 0.183	0.183	< 0.183	0.183
1,1-Dichloroethane	ppbv	< 0.247	0.247	< 0.247	0.247
1,1-Dichloroethene	ppbv	< 0.252	0.252	< 0.252	0.252
1,2,4-Trichlorobenzene	ppbv	< 0.135	0.135	< 0.135	0.135
1,2,4-Trimethylbenzene	ppbv	< 0.204	0.204	< 0.204	0.204
1,2-Dibromoethane(EDB)	ppbv	< 0.130	0.13	< 0.130	0.13
1,2-Dichlorobenzene	ppbv	< 0.166	0.166	< 0.166	0.166
1,2-Dichloroethane	ppbv	< 0.247	0.247	< 0.247	0.247
1,2-dichloropropane	ppbv	< 0.216	0.216	< 0.216	0.216
1,2-Dichlorotetrafluoroethane	ppbv	< 0.143	0.143	< 0.143	0.143
1,3,5-Trimethylbenzene	ppbv	< 0.204	0.204	< 0.204	0.204
1,3-Butadiene	ppbv	< 0.452	0.452	< 0.452	0.452
1,3-Dichlorobenzene	ppbv	< 0.166	0.166	< 0.166	0.166
1,4-Dichlorobenzene	ppbv	< 0.166	0.166	< 0.166	0.166
1,4-Dioxane	ppbv	< 0.278	0.278	< 0.278	0.278
2-Hexanone(MBK)	ppbv	< 0.244	0.244	< 0.244	0.244
4-Ethyltoluene	ppbv	< 0.204	0.204	< 0.204	0.204
4-Isopropyltoluene	ppbv	< 0.182	0.182	< 0.182	0.182
4-Methyl-2-pentanone(MIBK)	ppbv	2.91	0.244	0.35	0.244
Acetone	ppbv	176	0.421	226	0.421
Acrylonitrile	ppbv	< 0.461	0.461	< 0.461	0.461
Benzene	ppbv	1.44	0.313	0.72	0.313
Benzyl chloride	ppbv	< 0.193	0.193	< 0.193	0.193
Bromodichloromethane	ppbv	< 0.149	0.149	< 0.149	0.149
Bromoform	ppbv	< 0.097	0.097	< 0.097	0.097
Bromomethane	ppbv	< 0.258	0.258	< 0.258	0.258
Carbon Disulfide	ppbv	1.59	0.321	1.49	0.321
Carbon Tetrachloride	ppbv	0.05	0.04	0.07	0.04
Chlorobenzene	ppbv	< 0.217	0.217	< 0.217	0.217
Chloroethane	ppbv	< 0.379	0.379	< 0.379	0.379
Chloroform	ppbv	0.99	0.205	2.13	0.205
Chloromethane	ppbv	< 0.484	0.484	< 0.484	0.484
Cis-1,2-Dichloroethene	ppbv	< 0.252	0.252	< 0.252	0.252
cis-1,3-Dichloropropene	ppbv	< 0.220	0.22	< 0.220	0.22
Cyclohexane	ppbv	0.79	0.291	< 0.291	0.291
Dibromochloromethane	ppbv	< 0.117	0.117	< 0.117	0.117
Dichlorodifluoromethane	ppbv	0.54	0.202	1.97	0.202
Ethanol	ppbv	3.97	0.531	6.17	0.531
Ethyl acetate	ppbv	1.01	0.278	1.02	0.278
Ethylbenzene	ppbv	0.87	0.23	0.7	0.23
Heptane	ppbv	2.07	0.244	0.82	0.244
Hexachlorobutadiene	ppbv	< 0.094	0.094	< 0.094	0.094
Hexane	ppbv	2.22	0.284	0.77	0.284
Isopropylalcohol	ppbv	1.13	0.407	1.78	0.407
Isopropylbenzene	ppbv	< 0.204	0.204	< 0.204	0.204

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Project Id : 25-11 & 25-17 38TH AVE

	Lab Sample Id	BG16436		BG16437	
	Collection Date	3/5/2014		3/5/2014	
	Client Id	SV3		SV4	
	Matrix	Air		Air	
	Units	Result	RL	Result	RL
m,p-Xylene	ppbv	2.97	0.23	2.91	0.23
Methyl Ethyl Ketone	ppbv	5.32	0.339	7.05	0.339
Methyl tert-butyl ether(MTBE)	ppbv	< 0.278	0.278	< 0.278	0.278
Methylene Chloride	ppbv	0.98	0.288	< 0.288	0.288
n-Butylbenzene	ppbv	< 0.182	0.182	< 0.182	0.182
o-Xylene	ppbv	1.23	0.23	1.22	0.23
Propylene	ppbv	22	0.581	6.66	0.581
sec-Butylbenzene	ppbv	< 0.182	0.182	< 0.182	0.182
Styrene	ppbv	< 0.235	0.235	< 0.235	0.235
Tetrachloroethene	ppbv	10.3	0.037	14.5	0.037
Tetrahydrofuran	ppbv	3.1	0.339	1.61	0.339
Toluene	ppbv	6.34	0.266	3.83	0.266
Trans-1,2-Dichloroethene	ppbv	< 0.252	0.252	< 0.252	0.252
trans-1,3-Dichloropropene	ppbv	< 0.220	0.22	< 0.220	0.22
Trichloroethene	ppbv	1.43	0.047	1.55	0.047
Trichlorofluoromethane	ppbv	0.59	0.178	0.65	0.178
Trichlorotrifluoroethane	ppbv	< 0.130	0.13	< 0.130	0.13
Vinyl Chloride	ppbv	< 0.098	0.098	< 0.098	0.098
1,1,1,2-Tetrachloroethane	ug/m3	< 1.00	1	< 1.00	1
1,1,1-Trichloroethane	ug/m3	< 1.00	1	< 1.00	1
1,1,2,2-Tetrachloroethane	ug/m3	< 1.00	1	< 1.00	1
1,1,2-Trichloroethane	ug/m3	< 1.00	1	< 1.00	1
1,1-Dichloroethane	ug/m3	< 1.00	1	< 1.00	1
1,1-Dichloroethene	ug/m3	< 1.00	1	< 1.00	1
1,2,4-Trichlorobenzene	ug/m3	< 1.00	1	< 1.00	1
1,2,4-Trimethylbenzene	ug/m3	< 1.00	1	< 1.00	1
1,2-Dibromoethane(EDB)	ug/m3	< 1.00	1	< 1.00	1
1,2-Dichlorobenzene	ug/m3	< 1.00	1	< 1.00	1
1,2-Dichloroethane	ug/m3	< 1.00	1	< 1.00	1
1,2-dichloropropane	ug/m3	< 1.00	1	< 1.00	1
1,2-Dichlorotetrafluoroethane	ug/m3	< 1.00	1	< 1.00	1
1,3,5-Trimethylbenzene	ug/m3	< 1.00	1	< 1.00	1
1,3-Butadiene	ug/m3	< 1.00	1	< 1.00	1
1,3-Dichlorobenzene	ug/m3	< 1.00	1	< 1.00	1
1,4-Dichlorobenzene	ug/m3	< 1.00	1	< 1.00	1
1,4-Dioxane	ug/m3	< 1.00	1	< 1.00	1
2-Hexanone(MBK)	ug/m3	< 1.00	1	< 1.00	1
4-Ethyltoluene	ug/m3	< 1.00	1	< 1.00	1
4-Isopropyltoluene	ug/m3	< 1.00	1	< 1.00	1
4-Methyl-2-pentanone(MIBK)	ug/m3	11.9	1	1.43	1
Acetone	ug/m3	418	1	536	1
Acrylonitrile	ug/m3	< 1.00	1	< 1.00	1
Benzene	ug/m3	4.6	1	2.3	1
Benzyl chloride	ug/m3	< 1.00	1	< 1.00	1
Bromodichloromethane	ug/m3	< 1.00	1	< 1.00	1
Bromoform	ug/m3	< 1.00	1	< 1.00	1
Bromomethane	ug/m3	< 1.00	1	< 1.00	1
Carbon Disulfide	ug/m3	4.95	1	4.64	1
Carbon Tetrachloride	ug/m3	0.314	0.25	0.44	0.25
Chlorobenzene	ug/m3	< 1.00	1	< 1.00	1

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	Collection Date	3/5/2014		3/5/2014	
	Client Id	SV3		SV4	
	Matrix	Air		Air	
	Units	Result	RL	Result	RL
Chloroethane	ug/m3	< 1.00	1	< 1.00	1
Chloroform	ug/m3	4.83	1	10.4	1
Chloromethane	ug/m3	< 1.00	1	< 1.00	1
Cis-1,2-Dichloroethene	ug/m3	< 1.00	1	< 1.00	1
cis-1,3-Dichloropropene	ug/m3	< 1.00	1	< 1.00	1
Cyclohexane	ug/m3	2.72	1	< 1.00	1
Dibromochloromethane	ug/m3	< 1.00	1	< 1.00	1
Dichlorodifluoromethane	ug/m3	2.67	1	9.74	1
Ethanol	ug/m3	7.48	1	11.6	1
Ethyl acetate	ug/m3	3.64	1	3.67	1
Ethylbenzene	ug/m3	3.78	1	3.04	1
Heptane	ug/m3	8.48	1	3.36	1
Hexachlorobutadiene	ug/m3	< 1.00	1	< 1.00	1
Hexane	ug/m3	7.82	1	2.71	1
Isopropylalcohol	ug/m3	2.78	1	4.37	1
Isopropylbenzene	ug/m3	< 1.00	1	< 1.00	1
m,p-Xylene	ug/m3	12.9	1	12.6	1
Methyl Ethyl Ketone	ug/m3	15.7	1	20.8	1
Methyl tert-butyl ether(MTBE)	ug/m3	< 1.00	1	< 1.00	1
Methylene Chloride	ug/m3	3.4	1	< 1.00	1
n-Butylbenzene	ug/m3	< 1.00	1	< 1.00	1
o-Xylene	ug/m3	5.34	1	5.29	1
Propylene	ug/m3	37.8	1	11.4	1
sec-Butylbenzene	ug/m3	< 1.00	1	< 1.00	1
Styrene	ug/m3	< 1.00	1	< 1.00	1
Tetrachloroethene	ug/m3	69.8	0.25	98.3	0.25
Tetrahydrofuran	ug/m3	9.14	1	4.74	1
Toluene	ug/m3	23.9	1	14.4	1
Trans-1,2-Dichloroethene	ug/m3	< 1.00	1	< 1.00	1
trans-1,3-Dichloropropene	ug/m3	< 1.00	1	< 1.00	1
Trichloroethene	ug/m3	7.68	0.25	8.32	0.25
Trichlorofluoromethane	ug/m3	3.31	1	3.65	1
Trichlorotrifluoroethane	ug/m3	< 1.00	1	< 1.00	1
Vinyl Chloride	ug/m3	< 0.25	0.25	< 0.25	0.25

Result Detected

Phase I
Environmental Site Assessment

25-11 & 25-17 38th Avenue
Queens, New York 10003
Block 368, Lots 36 & 34

Fleming-Lee Shue Project Number: 10204-001-1

May 2013

Prepared For:

Tamares Real Estate Holdings, Inc.
1500 Broadway, 24th Floor
New York, New York 10036

Prepared By:

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Phase I Environmental Site Assessment
25-11 and 25-17 38th Avenue
Queens, New York 11101

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1.0 EXECUTIVE SUMMARY

Fleming-Lee Shue, Inc. (FLS) has conducted this Phase I Environmental Site Assessment (ESA) for Tamares Real Estate Holdings, Inc. for the properties located at 25-11 & 25-17 38th Ave., Queens, New York (Site). The legal definition of the Site is Tax Block 368, Lot 36 (25-11 38th St.) and Lot 34 (25-17 38th St.) and the Site is located on the corner of 38th Avenue and 27th Street. Currently the Site is developed with one 2-story residential building (Lot 36) and one 1-story commercial building (Lot 34). The residential building footprint is approximately 1,700 square feet (sf) and the commercial building footprint is approximately 5,200 sf. Figure 1 presents the Site Location and Figure 2 presents a Site Plan. Photographs of the Site and the surrounding properties are included in Appendix A. This report was prepared in conformance with the American Society for Testing and Materials Standard Practice for Environmental Site Assessment Process (ASTM E 1527-05) as well as the United States Environmental Protection Agency (USEPA) All Appropriate Inquiry (AAI) requirements (November 2005).

1.1 Historic Site Use

Lot 34 was mixed use residential and commercial prior to redevelopment as a commercial property around 1968. According to NYC Department of Building (NYCDOB) records for that year, the building use is identified as a sheet metal factory. In 1983 the building use is identified as a motor vehicle repair shop including body and fender work, paint spraying and oxy-acetylene welding. Additional uses are identified as a machinery rental and repair establishment and automobile sales lot.

Lot 36 was initially developed with a store from 1898 to 1970 when it was replaced with a dwelling. The property has remained a dwelling since that time.

1.2 Historic Neighborhood Use

A review of the surrounding property listings indicates both commercial and residential uses. Properties to the east, across 27th St., have historically been primarily residential with limited commercial use.

1.3 Summary of Findings, Opinions and Conclusions

The following is a summary of the Phase I ESA findings, opinions and conclusions.

The following Recognized Environmental Concerns (RECs) were identified during the site reconnaissance, database and regulatory review:

- The commercial building on Lot 34 has historically been used for auto repair operations. The northeast corner of the building is currently occupied by G&T Service Station.

- Both Lot 34 and Lot 36 are E-Designated based on past and current use of Lot 34 for auto repair operations. Additionally, many of the surrounding properties are also E-Designated.

FLS recommends the following for the property:

- If any demolition or renovations are planned, surveys for asbestos containing materials (ACMs) and lead based paint (LBP) should be performed.
- Completion of a Phase II Environmental Site Investigation (Phase II) to determine if historic and current use of Lot 34 for auto repair operations have impacted the subsurface soils and/or groundwater.

Conclusion

Due to the E-Designation a Phase II will be required prior to site development to determine if the underlying soil and/or groundwater have been impacted by historical and current property uses. Depending on the results of the investigation, remedial action may be necessary prior to submittal of a closure report to the NYC Office of Environmental Remediation (OER) for approval. This course of action is required prior to obtaining a building permit from the NYCDOB.

2.0 INTRODUCTION

This Phase I ESA was performed for Tamares Real Estate Holdings, Inc., for the property located at 25-11 and 25-17 38th Ave., Queens, New York. The Site contains two buildings. The property at 25-11 38th Ave. is a 2-story residential house and the property at 25-17 38th Ave. is a 1-story commercial building, the majority of which is vacant. The only existing tenant, G&T Service Station, occupies the northeast corner of the building.

The vicinity of the Site is a mix of residential and commercial properties. The Site is identified as Tax Block 368, Lot 36 (25-11 38th Ave.) and Lot 34 (25-17 38th Ave.) and is bound by an office building/Vespa motorbikes showroom to the west; an elevator parts warehouse to the south, across 38th Ave.; a 2-story apartment building to the north; and a 2-story residential house to the east, across 27th St. Figure 1 presents the Site Location and Figure 2 presents a Site Plan. Photographs of the Site and the surrounding properties are included in Appendix A.

2.1 Purpose

The purpose of this Phase I ESA is to reduce the uncertainty regarding environmental conditions that have the potential to significantly contaminate of the Site with toxic and/or hazardous materials including petroleum products and/or chemical products. Such environmental conditions can result from past and/or present operations and disposal practices, onsite spills, contamination from both onsite and offsite sources, and the presence of sensitive receptors either onsite or offsite. This Phase I ESA assesses the potential sources of contamination through a visual examination of the Site and the surrounding area, historical research, and a search of regulatory agency records and databases. The Phase I ESA was also conducted for purposes of environmental due diligence in order to qualify for the innocent landowner, a bona fide prospective purchaser or a contiguous property owner defense under the Comprehensive Environmental Responsibility Compensation and Liability Act.

2.2 Detailed Scope of Services

This report was prepared in conformance with the ASTM *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process* E 1527-05 as well as the United States Environmental Protection Agency (USEPA) All Appropriate Inquiry (AAI) requirements (November 2005), including generally accepted protocols for lenders as well. No exceptions to the ASTM scope have been made other than those specifically noted in the text of this document.

This Phase I ESA was conducted by a qualified *environmental professional* as set forth in 40 CFR § 312.10(b), and consists of research into the historic uses and development of

the property, examination of available information from governmental agencies, and a visual inspection of the property to determine the possible presence of toxic or hazardous materials including petroleum and chemical products. Based upon the available information, an evaluation is made regarding the presence of RECs from either current or historical uses of toxic or hazardous materials or chemical products.

As detailed in ASTM E 1527-05, RECs are "the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, groundwater, or surface water of the property. The term is not intended to include de minimis conditions that generally do not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies."

Historical Site research was used to assess the potential presence of RECs at the Site. The sources of historical information may include one or more of the following:

- Reference documents (historical maps, aerial photographs, city directories, etc.).
- Interviews with Site contacts, operators, owners, and neighboring property operators, owners and operators.
- United States Geological Survey (USGS) topographic maps, land use maps, zoning maps and flood plain maps.
- Previous environmental reports, including Phase I ESAs.

The following regulatory agency lists and databases of documented hazardous waste sites, waste handlers, and spills were reviewed:

- USEPA for location of National Priority List (NPL or Superfund) and Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) sites, Emergency Response Notification System finds, and Resource Conservation and Recovery Act (RCRA) Hazardous Waste Handlers and Treatment/Storage/Disposal Facilities lists, etc.

- New York State Department of Environmental Conservation (NYSDEC) for hazardous waste spills, current State Pollutant Discharge Elimination System sites, Inactive Hazardous Waste Disposal Sites, Major Oil Storage Facilities, Chemical Bulk Storage and Petroleum Bulk Storage Facilities, Toxic Release Inventory System, Solid Waste Facilities, etc.

The Site inspection involved a review of current operations, interview of the owner and potential buyer, and a visual inspection of accessible areas of the Site for indications of significant contamination by toxic or hazardous waste or materials. The Site inspection included the following objectives:

- To identify sources of potential onsite contamination, such as aboveground storage tanks or underground storage tanks (USTs), septic systems, dry wells and interior floor drains.

- To examine the Site for signs of potential contamination including stained soils, unusual odors, stressed or dead vegetation, improperly stored chemicals, oil slicks on standing waters, onsite waste disposal practices, etc.

- To determine if onsite storage, handling, use and disposal of toxic or hazardous materials follows good practice to minimize the potential of spills or Site contamination.

- To identify potential offsite sources of contamination through observation of offsite neighboring land use, topography, and drainage patterns.

- To identify onsite and adjacent sensitive receptors such as surface waters, wetlands, infiltration basins, drinking water wells, etc.

2.3 Limitations and Exceptions

This Phase I ESA report addresses the general and typical regulations for toxic and hazardous materials, but does not represent to examine specific compliance with legally mandated regulations concerning the handling, storage, use or disposal of these materials at the Site. Additionally, no representations are made as to compliance with worker exposure standards established by the U.S. Occupational Safety and Health Administration. In accordance with ASTM standards, a Phase I ESA is not prepared as an environmental compliance report.

The scope of work for this Phase I ESA does not include any testing of Site soils (surface or sub-surface), ground or surface waters or interior or exterior air quality. No definitive assessment of the presence of ACMs, LBP, poly-chlorinated biphenyls (PCBs), radon, soil or groundwater contamination, surface water or sediment contamination form either onsite or offsite sources has been made. Other issues that may affect the value or use of the property such as ambient air quality, noise pollution, electromagnetic fields, etc. have not been assessed in this Phase I ESA.

2.4 Additions, Deviations, Deletions, and Data Gaps

No environmental issues that are outside the scope of (additions to) ASTM E 1527-05 were evaluated.

This assessment was conducted without deviations or deletions from ASTM E 1527-05. However, the following data gaps were encountered while preparing this Phase I ESA report:

- An environmental questionnaire was not completed.

3.0 SITE DESCRIPTION

3.1 Location and Legal Description

The Site is identified as Tax Block 368, Lot 36 (25-11 38th Ave.) and Lot 34 (25-17 38th Ave.) The vicinity of the Site is a mix of residential and commercial properties. The Site is bound by an office building/Vespa motorbikes showroom to the west; an elevator parts warehouse to the south, across 38th Ave.; a 2-story apartment building to the north; and a 2-story residential house to the east, across 27th St.

The Site contains two buildings. The property at 25-11 38th Ave. is a 2-story residential house and the property at 25-17 38th Ave. is a 1-story commercial building, the majority of which is vacant. The only existing tenant, G&T Service Station, occupies the northeast corner of the building. Figure 1 presents a Site Location Map and Figure 2 presents a Site Plan.

Zoning maps were reviewed on the New York City Department of City Planning website. According to a review of the local zoning maps the Site is zoned M1-2/R6A – light industrial/residential. Residential uses include both small residential buildings to larger multi-story apartment buildings.

3.2 Current Use of the Property

The Site is developed with a 2-story residential building and a 1-story commercial building which is partially vacant. The northeast corner of the commercial building is currently used as an auto repair shop.

3.3 Description of Structures, Roads and Other Improvements on the Site

The Site is improved with a 2-story residential building that occupies the majority of Lot 36. The remainder of the lot is occupied by a concrete patio. On Lot 34, the 1-story commercial building occupies the entire lot.

The residential building footprint is approximately 1,700 sf. A basement is located beneath the entire building and contains the gas fired boiler, utilities and general storage. The first and second floors are for residential use. The commercial building footprint is approximately 5,200 sf and vacant except for the northeast corner that is currently occupied by an auto repair shop identified as G&T Service Station.

The residential building exterior is vinyl siding and interior finishes include vinyl tile flooring, carpets, a dropped ceiling on the first floor, and painted sheetrock walls. The commercial building exterior is brick and interior includes a metal ceiling, concrete floor and masonry walls.

3.4 Current Uses of Adjoining Properties

The property located adjacent to the west is occupied by a multi-story building with a Vespa showroom on the first floor and offices on the upper floors; to the north by a 2-story residential apartment building; to the east, across 27 St. by a 2-story residential house; and to the south, across 38th Ave. by an elevator parts warehouse.

4.0 PHYSICAL SETTING

4.1 Topography

A USGS 7.5-Minute Topographic Central Park Quadrangle Map was reviewed to determine approximate elevations and topographic features at the property and surrounding area.

According to the USGS quadrangle, the topography of the Site and surrounding properties is relatively flat, with an average elevation of approximately 41 feet above mean sea level. The topographic elevation in the general vicinity of the property decreases to the west. The nearest surface water body is the East River located approximately 0.60-miles to the west.

4.2 Geology and Soils

The surface soils of the subject area likely consist of urban fill, underlain by glacial deposits of outwash. The underlying strata consist of unconsolidated Pleistocene and Cretaceous deposits of sand and silty sand with layers of clay and gravel.

4.3 Hydrology

Information regarding groundwater was obtained from the "USGS History and Hydrologic Effects of Ground-Water Use in Kings, Queens, and Western Nassau Counties, Long Island, New York, 1800's through 1997", dated 2002. The principal aquifer in Queens is the upper glacial aquifer underlain by the Raritan Formation. Closer to the East River the upper glacial aquifer is underlain by bedrock.

Shallow groundwater flow generally follows topography. Based on the surface topography, it is estimated that the groundwater flow direction in the site area may be similar to surface drainage patterns, which is to the west, towards the East River. However, it must be noted that precise groundwater depths and flow directions can only be determined through the installation and survey of groundwater monitoring wells. Actual local groundwater depths and flow directions can be influenced by such factors as topography, underground structures, seasonal fluctuations, soil and bedrock geology, production wells, and de-watering operations. The local groundwater is not utilized for the public water supply.

4.4 Radon

Radon is a colorless, odorless radioactive gas that results from the natural breakdown of uranium minerals in soil, rock, and water, which subsequently enters the atmosphere. It can concentrate in buildings, entering through cracks and other penetrations of a building foundation. Some areas are more likely to have elevated concentrations of radon than

others, reflecting subsurface lithologic conditions. The USEPA has set an action level of 4.0 picocuries/liter (pCi/L) for continuous long-term exposure to radon gas. If radon gas is measured above this level, USEPA suggests testing and remediation measures.

Indoor radon data for Queens County (based on 81 tests) provided on the New York State Department of Health (NYSDOH) website indicates that the site is located within Federal EPA Radon Zone 3, which has an average radon concentration of less than 2 pCi/L. This concentration is below the USEPA action level of 4 pCi/l and therefore, radon is not believed to be of concern at the Site.

5.0 USER PROVIDED INFORMATION

5.1 Title Records

A review of title records by FLS did not identify environmental liens or activity and use limitations (AULs), as described in Section 5.2.

Title records for the Site were reviewed searched in the City of New York's Automated City Register Information System. Public deed and tax records were reviewed for 25-11 and 25-17 38th Ave. The deed records did not identify any potential RECs associated with the Site.

5.2 Environmental Liens or Activity and Use Limitations

A search for environmental liens was performed by Environmental Data Resources, Inc. (EDR) and is included in Appendix B. Environmental liens were not identified for the Site. AULs, which include engineering and/or institutional controls, were not identified for the Site.

5.3 Commonly Known or Reasonably Ascertainable Information

The user did not provide any commonly known or reasonably ascertainable information regarding the Site.

5.4 Valuation Reduction for Environmental Issues

FLS was not provided with any information regarding value reduction for environmental issues associated with the Site.

5.5 Owner, Property Manager, and Occupant Information

The Site is currently owned by Mr. Edward Williams and Julianne Williams, private land owners.

6.0 RECORDS REVIEW

6.1 Standard Environmental Record Sources

FLS reviewed published governmental records of federal and state environmental databases to identify use, generation, storage, treatment, disposal, and/or release of hazardous substances and/or petroleum products, which may have impacted the Site. The databases reviewed in this assessment and appropriate minimum search distances from the Site are as outlined in ASTM E 1527-05.

EDR of Milford, CT conducted the search of the regulatory database records and provided the records in the form of a regulatory agency database report. This report has been included as Appendix C.

The following table outlines the ASTM standard database reviewed as well as their corresponding appropriate minimum search distance from the Site:

Federal and State List	Last Updated	Search Radius*	Properties within Search Radius	Site Appears on List	RECs Identified
National Priorities List for Federal Superfund Cleanup (NPL)	2/1/13	1 mile	0	No	No
Delisted NPL Site List	2/1/13	½ mile	0	No	No
Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS), including CERCLIS NFRAP Sites	2/5/13	½ mile/ ½ mile	0	No	No
Resource Conservation and Recovery Information System (RCRA) – Corrective Action Activity (CORRACTS) and Non-CORRACTS Treatment, Storage, or Disposal Facilities (TSDF)	2/12/13	1 mile / ½ mile	1	No	No
Resource Conservation and Recovery Act Generators (RCRA Generators) – RCRA Large Quantity Generators (LQG), Small Quantity Generators (SQG), Conditionally Exempt Small Quantity Generators (CESQG)	2/12/13	¼ mile	11	No	No
Federal Institutional Control/Engineering Control Registries	3/21/13	Site	0	No	No
Emergency Response Notification System (ERNS)	12/13/12	Site	0	No	No
E-Designation	3/20/13	Site	106	Yes	Yes
New York State Inactive Hazardous Waste Disposal Site (SHWS)	3/21/13	1 mile	5	No	No
Vapor Reopened	1/1/13	1 mile	2	No	No
Solid Waste Facilities/Landfill Sites (SWF/LF)	1/7/13	½ mile	3	No	No
New York State Spills(State Spills)	2/19/13	1/8 mile	13	No	No
New York State Leaking Storage Tanks (LTANKS)/Hist LTANKS	2/19/13	½ mile	55/3	No	No

Federal and State List	Last Updated	Search Radius*	Properties within Search Radius	Site Appears on List	RECs Identified
Bulk Storage Program TANKS	4/2/13	¼ mile	2	No	No
New York State-registered USTs/ASTs	4/2/13	½ mile	23/43	No	No
Chemical Bulk Storage (CBS) Facilities	4/2/13	¼ mile	3	No	No
Manifests	2/1/13	¼ mile	37	No	No
State Voluntary Cleanup Program and Brownfield Cleanup Program Sites	3/21/13	1 mile / 1 mile	2/1	No	No
EDR US Hist Auto Stat	NA	¼ mile	73	Yes	Yes
EDR US Hist Cleaners	NA		16	No	No
Dry Cleaners (EDR-generated database, and not information maintained by regulators)	4/19/13	½ mile	6	No	No

Site address 25-17 38th Ave. is listed on the EDR US Hist Auto which is a database that identifies "High Risk Historical Records" that includes former gas stations, auto repair shops, auto service stations etc. that may create an environmental concern. From 2000 to 2010 the tenant is identified as M.J. Ecua Auto Repair and from 2011 to 2012 Picasso Auto Body.

Both addresses are E-Designated for Hazardous Materials. This designation requires that sampling and remediation, if required, take place on the subject properties before the issuance of a building permit. The designation is most likely based on past and current use as an auto repair shop.

The following is a description of the results of the review of the databases searched by EDR, including the aforementioned federal and state regulatory databases:

6.1.1 Federal Databases

United States Environmental Protection Agency National Priorities List Database

The USEPA NPL Database lists the most serious uncontrolled or abandoned hazardous waste sites identified for possible long-term remedial action under Superfund. The NPL Database is based primarily on the score a site receives from the Hazard Ranking System. The USEPA is required to update the NPL Database at least once a year. A site must be on the NPL Database to receive money from the Superfund for remedial action.

Neither the Site nor any sites within the approximate minimum search distance of 1 mile from the Site are listed on the NPL Database.

USEPA Delisted NPL Database

This database is a list of sites that have been approved by the USEPA for removal/deletion from the USEPA NPL Database. The USEPA may delete sites from the

NPL when the USEPA determines that *no further response* is appropriate under CERCLA because the site meets one of the following criteria: 1) the responsible or other parties have implemented all appropriate and required response actions; 2) all appropriate Fund-financed responses under CERCLA have been implemented and no further response action is required (applies to private sector sites only); or 3) the release of hazardous substances poses no significant threat to the public health, welfare, or the environment, thereby eliminating the need for remedial action.

Neither the Site nor any sites within the approximate minimum search distance of 0.5 miles from the Site are listed on the USEPA Delisted NPL Database.

USEPA Comprehensive Environmental Response, Compensation, and Liability Information System Database

The CERCLIS database includes all sites which have been nominated for investigation by the Superfund program and the actions that have been taken at these sites. If the site investigation reveals contamination, the site is ranked and may be included on the NPL for Superfund cleanup. Inclusion in the CERCLIS database does not necessarily mean that a property is a hazardous waste site. An emergency action may have been conducted there or a simple investigation which concluded that no further action was required.

Neither the Site nor any sites within the approximate minimum search distance of 0.5 miles from the Site are listed on the USEPA CERCLIS Database.

USEPA CERCLIS No Further Remedial Action Planned Database

The No Further Remedial Action Planned (NFRAP) Database contains CERCLIS sites designated "No Further Remedial Action Planned" (NFRAP) and that have been removed from the USEPA CERCLIS Database. NFRAP sites may be sites where, following an initial investigation, no contamination was found, contamination was removed quickly without the need for the site to be placed on the NPL, or the contamination was not serious enough to require Federal Superfund action or NPL consideration.

Neither the Site nor any sites within the approximate minimum search distance of 0.5 miles from the Site are listed on the USEPA CERCLIS NFRAP Database.

USEPA Resource Conservation and Recovery Act Corrective Action Activity (CORRACTS) Database

This database identifies RCRA treatment, storage and disposal facilities that have had accidents or other activities that may have released pollutants into soil, groundwater, surface water and air. The RCRA Corrective Action Program allows these facilities to address the investigation and cleanup of these hazardous releases themselves. RCRA

Corrective Action Program differs from Superfund in that it deals with sites that have viable operators and on-going operations.

The Site is not listed on the USEPA CORRACTS Database. A review of the CORRACTS list, as provided by EDR, and dated 2/12/2013 has revealed that there is one CORRACTS site listed within approximately one mile of the Site. This is the Con Edison-Ravenswood Tunnel which is located approximately 0.5 miles cross-gradient and therefore is not considered a REC.

USEPA RCRA Non-CORRACTS Treatment, Storage, and/or Disposal Database

This database identifies facilities permitted to treat, store and dispose of hazardous wastes as defined and regulated by RCRA.

Neither the Site nor any sites within the approximate minimum search distance of 0.5 miles from the Site are listed on the USEPA RCRA Treatment, Storage and/or Disposal Database.

RCRA – Large Quantity Generators/Small Quantity Generators/Conditionally Exempt Small Quantity Generators/Non Generators

RCRA Hazardous Waste Generators are regulated under the RCRA. A listing of hazardous waste generators in the area of the Site is useful to assess the types of materials that may be handled, stored or transported in the vicinity of the target property. RCRA-NonGen facilities do not presently generate hazardous waste.

RCRA large quantity generators (LQGs) generate more than 1000 kilograms (kg) of hazardous waste, or over 1kg of acutely hazardous waste per month. The Site is not identified in the RCRA – LQG database. A review of the RCRA-LQG list, as provided by EDR, and dated 2/12/2013 has revealed that there is one RCRA-LQG site within approximately 0.25 miles of the Site. The site, identified as Trumbull Equities, LLC is located 0.228 miles west and cross-gradient of the Site. However, no violations of hazardous waste regulations or spills were recorded; therefore this Site is not considered a REC.

RCRA small quantity generators (SQGs) generate between 100 kg and 1000 kg of hazardous waste per month. The Site is not identified in the RCRA – SQG database. A review of the RCRA-SQG list, as provided by EDR, and dated 2/12/2013 has revealed that there are five RCRA-SQG sites within approximately 0.25 miles of the Site. One of the sites, Enterprise Cleaners, has listed violations; however this site is located three blocks from the Site in a cross-gradient/up-gradient location. Based on the distance and generally cross-gradient location this site has not been identified as a REC. Two other sites also have listed violations but are located either cross-gradient or down-gradient and are not considered RECs.

RCRA Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. The Site is not identified in the RCRA – CESQG. A review of the RCRA-CESQG list, as provided by EDR, and dated 2/12/2013 has revealed that there is one up-gradient and four down-gradient or cross-gradient RCRA-CESQG sites within approximately 0.25 miles of the Site. Violations are listed for the up-gradient site, Kerns Mfg Corp., however the violations are over 10 years old or have achieved compliance and the address is close to 700 feet from the Site. Based on this information the site is not considered a REC.

USEPA Institutional Control/Engineering Control Database

The Institutional Control/Engineering Control (IC/EC) Database identifies sites that the USEPA has allowed the implementation of institutional and/or engineering controls to limit exposure to hazardous waste or hazardous constituents. Institutional controls are legal or administrative measures that limit human exposure to hazardous waste or hazardous constituents. Examples include use control areas, easements, zoning restrictions, and deed notices. They are intended to bolster the integrity of remedies and minimize the potential exposure to contamination by limiting land or resource use. Institutional controls are typically used any time contaminants are left in place at cleanup levels that are based on restricted site uses. In addition, institutional controls may be required during implementation of a remedy that will eventually achieve unrestricted site use cleanup levels but will take a long time, for example, for sites undergoing long term groundwater remediation and sites where a monitored natural attenuation remedy is approved. Institutional controls are generally used in conjunction with, rather than in lieu of, engineering measures, such as waste treatment or containment. Engineering controls are measures, such as capping, containment, slurry walls, extraction wells, or treatment methods that are capable of managing environmental and health risks by reducing contamination levels or limiting exposure pathways.

Neither the Site nor any sites within the approximate minimum search distance of a 0.5 mile from the Site are listed on the USEPA IE/EC Database.

USEPA Emergency Response Notification System (ERNS) Database

This is a database of incidents reported to the National Response Center. These incidents include chemical spills, accidents involving chemicals (such as fires or explosions), oil spills, transportation accidents that involve oil or chemicals, releases of radioactive materials, sightings of oil sheens on bodies of water, terrorist incidents involving chemicals, incidents where illegally-dumped chemicals have been found, and drills intended to prepare responders to handle these kinds of incidents.

The Site is not listed on the USEPA ERNS Database.

6.1.2 New York State Databases

New York State Department of Environmental Conservation State Hazardous Waste Disposal Sites (SHWS) Database

This database is also known as the State and Tribal equivalent NPL and CERCLIS sites and contains State and Tribal listing of sites that can pose environmental or public health hazards requiring investigation or clean up.

The Site is not listed on the NYSDEC SHWS Database; however, there are five sites within the approximate minimum search distance of 1 mile of the property listed on the NYSDEC SHWS Database. One of the sites, Jung Sun Laundry, has been identified as a significant threat based on on-site contamination and an off-site contaminant trichloroethene (TCE) and tetrachloroethene (PCE) groundwater plume. However, the general direction of groundwater flow from the site was determined to be southwest which is cross-gradient to the Site. Therefore, this groundwater plume is not considered a REC. The other four sites are not considered RECs based on distance and cross-gradient location.

New York Brownfields Database

A Brownfield is any real property where redevelopment or re-use may be complicated by the presence or potential presence of a hazardous waste, petroleum, pollutant or contaminant. The Site is not identified in the New York Brownfields database, which was updated 2/19/2013. A review of the New York Brownfields database indicates one site within approximately 0.25 miles of the Site. The site is located in a cross-gradient direction and is not considered a REC.

NYSDEC Solid Waste Disposal Facilities and/or Landfill Database

The Solid Waste Disposal Facilities and/or Landfill (SWF/LF) database is a listing of non-hazardous solid waste facilities and includes landfills and transfer stations. The Site is not listed on the SWF/LF Database.

There are three sites within the approximate minimum search distance of a 0.5 miles of the property listed on the SWF/LF Database. However, a listing on this database is not an indication of an environmental problem or the presence of contamination. One of the sites, LIC Used Auto Parts is identified on the NY Spills database with a closed spill. AAA Oil Pollution Specialists is listed on multiple databases but is located cross-gradient from the Site. The third site, Patano Brothers, Inc. is not identified on any other databases. Therefore, none of these sites is considered a REC.

Historic Leaking Storage Tanks/Leaking Storage Tanks Incident Reports

These records contain an inventory of Historic Leaking Storage Tank (Hist LTANKS) Incident Reports reported up to 1/1/2002, at which time the NYSDEC transferred relevant data to the Leaking Storage Tanks (LTANKS) database. The LTANKS Incident Reports are reported from April 1, 1986 through the most recent update on 2/19/2013. The causes of the incidents include: tank test failures, tank failures or tank overfills.

The Site is not listed in the HIST LTANKs database. A review of the HIST LTANKS list, as provided by EDR, and dated 01/01/2002 has revealed that there are three HIST LTANKS sites within approximately 0.5 miles of the Site. Of these three sites, one is listed as "Not Closed" by the NYSDEC; however a cross-check of the spill number on the NYSDEC Spills Database indicates that this site has been closed.

The Site is not listed in the LTANKS database. A review of the LTANKS list, as provided by EDR, and dated 2/19/2013 has revealed that there are 55 LTANKS sites within approximately 0.5 miles of the Site. Out of the 55 LTANKS sites, all but five have been formally "closed" by the NYSDEC. The five open LTANKS sites are located over 0.25 miles away and are either cross-gradient or down-gradient from the Site and therefore not considered RECs.

New York State Underground Storage Tank Database

The UST database includes tanks that are registered with the NYSDEC. This data is obtained from the NYSDEC Petroleum Bulk Storage (PBS) database which identifies facilities that have petroleum storage capacities in excess of 1,100 gallons and less than 400,000 gallons. The Site is not listed in the UST database or the HIST UST database. A review of the UST database, as provided by EDR, and dated 4/2/2013 indicates that there are 23 registered UST sites within approximately 0.25 miles of the Site. A review of the HIST UST list, as provided by EDR, and dated 01/01/2002 has revealed that there are three Hist UST sites within approximately 0.25 miles of the Site. The Hist UST database is no longer updated (past 2002) and the current information is provided on the UST database. The presence of USTs does not necessarily indicate an environmental concern. A leak or spill from any of these tanks, if discovered and properly reported, would be identified in the LTANKS database or NY SPILLS database.

New York Registered Chemical Bulk Storage UST/AST Facility Database

The Site is not identified in the Chemical Bulk Storage (CBS) database. Three CBS facilities are located within the search radius of approximately 0.25 miles of the Site. All three sites are located either down-gradient or cross-gradient and therefore are not considered RECs.

New York State Aboveground Storage Tank Database

The AST database includes tanks that are registered with the NYSDEC. This data is obtained from the NYSDEC PBS database which identifies facilities that have petroleum storage capacities in excess of 1,100 gallons and less than 400,000 gallons. The Site is not listed in the AST database. A review of the AST list, as provided by EDR, and dated 4/2/2013 indicates that there are 43 registered AST sites within approximately 0.25 miles of the Site. The presence of an AST does not necessarily indicate an environmental concern. A leak from any of these tanks, if discovered and properly reported, would be identified in the LTANKS or SPILLS databases.

New York Spills Database

The Site does not appear on either the NY Spill or NY Historic Spill database. A review of the NY Spills database, as provided by EDR, and dated 2/19/2013 indicates that there are 13 NY Spills sites within approximately 0.125 miles of the Site. All of these spills have been closed by the NYSDEC and are therefore not considered RECs.

NYSDEC Voluntary Cleanup Agreements Database

This database contains VCP sites. These are sites where owners and operators of contaminated property are voluntarily investigating and, if necessary, cleaning up their sites to facilitate the use, sale, refinancing and/or redevelopment of contaminated property, while protecting human health and the environment.

The Site is not listed on the NYSDEC VCP Database; however, two sites were identified within approximately one mile of the Site. One of the sites, Levco Metal Finishes, is located approximately 0.5 miles up-gradient and was listed for soil and groundwater contamination. However, remediation at the site is classified as completed and therefore is not considered a REC. The other site is located cross-gradient and not considered a REC.

Manifest

A manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility. Manifest data are used by State personnel and law enforcement officials for enforcement of federal and state hazardous waste and transportation regulatory requirements. The Site was not listed in the MANIFEST database. A review of the MANIFEST list, as provided by EDR, and dated 2/1/2013 indicates that there are 35 MANIFEST sites within approximately 0.25 miles of the Site. There are no open spills identified for any of these listed sites.

Dry Cleaners

A review of the DRYCLEANERS list (not a regulatory agency database), as provided by EDR, and dated 4/19/2013 has revealed that there are six registered DRYCLEANERS sites within approximately 0.25 miles of the Site. The Site was not listed in the Drycleaners database. One drycleaner, Jung Sun Laundry, is not considered a REC, based on the information obtained from the SHWS database and discussed previously. Enterprise/M&K 88 Cleaners is located cross-gradient/up-gradient from the Site but is not listed on any other databases and is not identified as a REC. The other four sites are located cross-gradient.

E-Designation Sites

A site can have an E-Designation for hazardous materials and/or noise and/or air. If the designation is for hazardous materials a subsurface investigation and remediation must be completed before a building permit is issued from the NYCDOB. Both Lot 34 and Lot 36 at the Site have an E-Designation for hazardous materials. A review of the E-Designation database, updated 3/20/13, indicates that there are 106 sites located in the vicinity of the Site. This includes properties adjacent to the Site. The on-site and adjacent off-site E-Designations are identified as a REC.

EDR US Hist Auto Stat

This database identifies potential gas station/filling station/service station sites that were historically or are currently utilized for these services. The Site is listed on this database due to the past use of 25-17 38th Ave. as an auto repair shop. This is identified as a REC. G&T Service Station is listed at address 37-38 27th St. and is currently active. Limited information is listed for the other sites on this database.

Orphan Summary

The database includes an "orphan summary," which is a listing of properties and/or incidents that could not be specifically mapped to adequate or correct addresses. FLS reviewed the orphan summary and determined that a majority number of these were manifests listed for Consolidated Edison. No leaking tanks or spills are listed for the orphan properties and therefore no RECs identified.

6.2 Additional Environmental Record Sources

FLS reviewed the environmental record sources available from the agencies listed in the following sections to determine if RECs are present at the Site.

Detailed information gained from each environmental record source is included below.

6.2.1 New York City Department of Buildings

FLS reviewed available online records on the NYCDOB Building Information System (BIS) website to determine whether there were any references to buildings, tanks or other structures, property usage or inspection reports that may indicate the presence, past use, or release of hazardous substances, wastes or petroleum products within the Site. These records were checked for New Building Applications (NB), Records of Major Alterations (ALT), Demolitions, Certificates of Occupancy (C of O), and other records of changes and violations at the Site.

Copies of relevant records are included in Appendix D. According to the 1968 C of O the 25-17 38th Ave. building use is identified as a sheet metal factory. In 1983 building use is identified as a motor vehicle repair shop including body and fender work, paint spraying and oxy-acetylene welding. Additional uses are identified as a machinery rental and repair establishment and automobile sales lot. No C of O documentation was on file for 25-11 38th Ave.

According to the NYCDOB Property Profile Overview both building lots (Lot 34 and Lot 36) are E-Designated for hazardous materials. Two active Environmental Control Board (ECB) violations issued in 2012 for 25-17 38th Ave. include failure to maintain building code due to a worker painting a minivan with a spray gun/compressor at the time of inspection. A second violation includes failure to store flammable paints in a fire rated cabinet and also the lack of a ventilation system.

No ECB violations are on file for 25-11 38th Ave. Building violations listed for this address pertain to the boiler with no further information provided.

6.2.2 New York City Department of Environmental Protection

FLS submitted a Freedom of Information Act (FOIA) request to the NYC Department of Environmental Protection (NYCDEP) to obtain information on spills of hazardous materials, citizen's complaints regarding asbestos issues, or reports of chemical odors or fumes. FLS has not yet received a response from NYCDEP. Upon receipt of a response, FLS will review the response and, if conclusions contained within this report have been affected, FLS will submit an addendum to this report. A copy of the request is included in Appendix E.

6.2.3 New York City Fire Department

FLS submitted a FOIA request to the NYC Fire Department (FDNY) to obtain information on the number and size of sealed and/or removed fuel (heating) oil tanks. FLS has not yet received a response from the FDNY. Upon receipt of a response, FLS will review the response and, if conclusions contained within this report have been

affected, FLS will submit an addendum to this report. A copy of the request is included in Appendix E.

6.2.4 New York City Department of Health and Mental Hygiene

FLS submitted a FOIA request to the NYS Department of Health and Mental Hygiene (NYCDOH) on to obtain information on lead poisoning. Upon receipt of a response, FLS will review the response and, if conclusions contained within this report have been affected, FLS will submit an addendum to this report. A copy of the request is included in Appendix E.

6.2.5 New York State Department of Health

FLS submitted a FOIA request to the NYSDOH to obtain information on spills of hazardous materials, citizen's complaints regarding asbestos issues, or reports of chemical odors or fumes. FLS has not yet received a response from NYSDOH. Upon receipt of a response, FLS will review the response and, if conclusions contained within this report have been affected, FLS will submit an addendum to this report. A copy of the request is included in Appendix E.

6.2.6 United States Environmental Protection Agency

FLS submitted a FOIA request to the USEPA to obtain any information regarding USTs, spills, remediation and dump sites, hazardous materials activities and storage of hazardous materials, etc. FLS has not yet received a response from the USEPA. Upon receipt of a response, FLS will review the response and, if conclusions contained within this report have been affected, FLS will submit an addendum to this report. A copy of the request is included in Appendix E.

6.2.7 New York State Department of Environmental Conservation

FLS submitted a FOIA request to the NYSDEC to obtain information on spills of hazardous materials, citizen's complaints regarding asbestos issues, or reports of chemical odors or fumes. FLS has not yet received a response from NYSDEC. Upon receipt of the response, FLS will review the responses and, if conclusions contained within this report have been affected, FLS will submit an addendum to this report. A copy of the request is included in Appendix E.

In addition to the FOIA request the NYSDEC PBS database was searched. No tanks were identified for either address.

6.4 Historical Use Information on Site and Adjoining Properties

To develop a documented history of the Site and the adjoining properties, FLS reviewed historical Sanborn fire insurance maps, historical city directories, historical aerial photographs, and historical topographic maps.

6.4.1 Historical Sanborn Fire Insurance Maps

Information obtained from historical Sanborn fire insurance maps is detailed below. Copies of the Sanborn fire insurance maps are included in Appendix F. Historical Sanborn maps available for the Site and surrounding areas are dated 1898, 1915, 1936, 1947, 1970, 1977, 1992 to 1996, and 2001 to 2003. Address 25-17 38th Ave. is identified as Lot 34 and 25-11 38th Ave. is identified as Lot 36.

Year	Observations
1898	**Site:** The Site has a dwelling and cigar factory on Lot 34 and a store on Lot 36. **Surrounding Properties:** 38th Ave. is identified as Freeman Ave. and 27th St. identified as Prospect. The neighboring properties are either vacant or residential.
1915	**Site:** A talcum powder manufacturer has replaced the cigar factory and there is a second dwelling on Lot 34. **Surrounding Properties:** The neighboring properties are similar to the previous map with a small increase in development.
1936	**Site:** The talcum powder manufacturer has been replaced with a store. A car garage is visible in addition to the two dwellings and store on Lot 34. **Surrounding Properties:** Freeman Ave. is now identified as 38th Ave. and Prospect as 27th St.
1947	**Site:** The Site is similar to the previous map with two dwellings, car garage and store on Lot 34. The store is still visible on Lot 36. **Surrounding Properties:** The area is developed with predominantly residential dwellings and apartments.
1970	**Site:** The store on Lot 34 has been replaced with a woodworking building. Additional development is visible on Lot 34 but cannot be identified due to the poor quality of the map. The store on Lot 36 is now identified as dwelling. **Surrounding Properties:** The surrounding properties appear to be mainly residential however the quality of the map is poor and buildings are not identifiable.
1977	**Site:** The woodworking building is now vacant and the dwelling on Lot 34 is identified as residential. The northern portion of Lot 34 has a building identified as manufacturing. There is no change on Lot 36. **Surrounding Properties:** The area is mixed use with mainly residential across 27th St. and office, warehouses and manufacturing to the north, south and west.
1992	**Site:** Lot 34 is now developed with a commercial building which is identified as "Auto Repair". Lot 36 is similar to previous maps. **Surrounding Properties:** Surrounding properties are a mix of commercial and residential.
1993, 1994, 1995, 1996, 2001, 2002, 2003	**Site:** The Site is similar to the previous map. **Surrounding Properties:** The surrounding properties are similar to the previous map.

Lot 36 has historically been residential. Lot 34 was initially residential and later the eastern portion of the lot was small retail/manufacturing prior to 1970. By 1992 Lot 34 is

designated with a commercial building identified as auto repair. Previous site use as an auto repair shop has been identified as a REC.

Surrounding property use has been a mix of residential and commercial uses.

6.4.2 Historical City Directories

City Directories for the Site and the surrounding properties for the years 1923 through 2012 were provided by EDR. The EDR-City Directory Abstract is included in Appendix G.

The City Directory listings for 25-11 38th Ave. indicate that the property was residential in 1934 and occupied by Blue Jay Printing Co. from 1962 to at least 1983. From 2005 to 2007 the site was occupied by H&D Maintenance Contracting Co.

The City Directory listings for 25-17 38th Ave. indicate that from 1962 to at least 1991 the building was occupied by various commercial uses such as a crating & delivery company, steel equipment company, contractors and an environmental firm. From at least 2000 to 2012 MJ Ecua Auto Repair/Picasso Auto Repair occupied the building. The northeast corner of the building is identified as 37-38 27th St. and was part of the steel equipment company until at least 1976. In 1983 this portion of the building was occupied by an auto body shop and from at least 1991 to 2012 by G&T Service Station, also an auto body shop.

A review of the surrounding property listings indicates both commercial and residential uses. Properties to the east, across 27th St., have historically been residential with limited commercial use.

6.4.3 Historical Aerial Photographs

Historical aerial photographs of the Site and the surrounding area, provided by EDR and included in Appendix H, were reviewed to determine land uses that may have involved hazardous materials or petroleum products. Aerial photographs were provided for 1924, 1941, 1954, 1966, 1975, 1984, 1994, 1994-1995, 2006, and 2008 to 2011. Address 25-17 38th Ave. is identified as Lot 34 and 25-11 38th Ave. is identified as Lot 36.

Year	Comments
1924	**Site:** The Site appears to be developed with two buildings on Lot 34 and one building on Lot 36. **Surrounding Properties:** The surrounding area is partially developed with open spaces south across 38th Ave. A few blocks to the west and north have large undeveloped parcels of land.
1941	**Site:** The Site is similar to the previous photo. **Surrounding Properties:** The surrounding area is fully developed.
1954	**Site:** The Site is similar to the previous photo. **Surrounding Properties:** Surrounding properties remain unchanged from the 1943 photo.
1966	**Site:** The Site remains unchanged from the 1954 photo. **Surrounding Properties:** Surrounding properties remain unchanged from the 1954 photo.
1975	**Site:** The Site appears to be developed with the commercial building. **Surrounding Properties:** The surrounding properties appear generally unchanged from the 1966 photo.
1984	**Site:** the Site appears similar to the earlier photo. **Surrounding Properties:** The surrounding properties remain unchanged from the 1975 photo.
1994, 1994-1995	**Site:** The Site cannot be defined due to the poor quality of the photos. **Surrounding Properties:** The surrounding properties appear similar to the 1984 photograph; however the photos quality is poor.
2006, 2008 to 2011	**Site:** The existing buildings are visible on the Site. **Surrounding Properties:** The surrounding properties are similar to the previous photos.

The review of the aerial photos did not specifically identify Site usage, and surrounding properties have been developed since the 1941 aerial photograph. No additional RECs were identified during review of the historical aerial photographs.

6.4.4 Historical Topographical Maps

FLS reviewed the historic topographical maps for the Site provided by EDR. EDR's Historical Topographic Map report included a search of a collection of public and private color historical topographic maps, dating from 1897 to 1995. A copy of these maps can be found in Appendix I. Topographic maps were provided for the years 1897, 1947, 1956, 1966, 1979, and 1995. The Site lies at an elevation of approximately 41 feet above mean sea level with a topographic slope to the west. From 1897 to 1947 the topographic maps are a grid pattern of streets and individual lots are not depicted. The building is not identified on the topographic maps from 1956 to 1995. During these years the surrounding area is designated as "built-up" with only the larger buildings noted on the map. The review of the topographic maps did not result in the identification of any additional RECs for the Site.

7.0 SITE RECONNAISSANCE

On May 3, 2013, a Site reconnaissance was conducted by Ms. Susan Bianchetti of FLS to observe the current conditions and operations at the Site. Ms. Bianchetti was accompanied by Mr. Itrat Sayeed of Tamares Real Estate Holdings, Inc., the prospective buyer. Access to the building was provided by Mr. Eddie Williams, the current property owner. The Site reconnaissance included a visual inspection of both building exteriors as well as interiors. Ms. Bianchetti performed a neighborhood reconnaissance including along 38th Ave. and 27th St. The weather during the reconnaissance was clear with temperatures in the mid-60s. Photographs taken during the Site reconnaissance are included in Appendix A.

7.1 Methodology and Limiting Conditions

FLS inspected the Site, which is currently developed with a 2-story residential building and a 1-story commercial building. The Site was inspected for evidence of hazardous substances and petroleum products, strong odors, pools of liquid, drums or other hazardous material containers, stains or corrosion, drains, sumps, stained pavement, solid waste, waste water, wells and/or septic systems. FLS also inspected the outer perimeters of adjoining properties, to the extent possible.

7.2 General Site Setting

According to the NYCDOB, the 2-story residential building at address 25-11 38th Ave. was built around 1910. The exterior is vinyl siding and in generally good condition. The first floor was vacant at the time of the site visit and the second floor was occupied. There is a full basement beneath the building that contains a gas boiler, water heater, general storage and utilities. Entry to the building is from 38th Ave.

Interior finishes include vinyl tile floors, carpeting, dropped ceilings, sheetrock walls and wood paneling.

The 1-story commercial building at address 25-17 38th Ave. was built around 1930 and originally used as an auto repair shop. At the time of the site visit the majority of the building was vacant except for an active auto repair shop that is on the northeast corner of the building and which fronts on 27th St. The repair shop does not have direct access to the remainder of the building. There is no basement beneath the building. Interior finishes included cinder block walls, concrete floor and metal ceilings. No floor drains or hydraulic lifts were noted in the vacant portion of the building and none were noted in the visible portions of the active auto repair shop.

There are three garage doors associated with the building. One is located directly on 38th Ave. and provides access to the front portion of the vacant space. A second garage door is accessed from 38th Ave. down a driveway and used for vehicles entering the former auto

repair shop that was located in the rear section of the vacant building. The third garage door is located on 27th St. and is associated with G&T Service Station.

The roofing material on the commercial building is tar paper painted silver. No structures or mechanical units were located on the roof.

7.2 Utilities

Gas heaters are suspended from the ceilings in the commercial building. A gas-fired boiler is located in the basement of the residential building. Both buildings use gas for heating purposes and there was no evidence of fuel oil tanks. A visual inspection of the sidewalk did not indicate any evidence of a vent pipe or remote fill port.

No transformers were noted on the Site. Electric and gas are supplied by Con Edison. Drinking water is supplied by the City of New York and the building is connected to the NYC sanitary sewer system. Trash is picked up by the NYC Department of Sanitation.

7.3 Hazardous Materials

Hazardous materials were observed in the commercial building. Seven 1-gallon containers of compressor oil were observed in the back room. Some floor staining was visible on the concrete floors throughout this space.

Hazardous materials observed in the G&T Service Station included solvents, spray paints, lubricating oils, transmission fluid and general vehicle maintenance supplies.

No hazardous materials were noted in the residential building. Paint and general maintenance supplies are stored in the basement.

7.4 Petroleum and Other Storage Tanks

A waste oil tank with product was observed in the southeast corner of the vacant portion of the commercial building. The tank appeared to be about 2/3rds full of waste oil. Multiple waste oil drums, including 55-gallon drums, were observed in the G&T Service Station. Multiple unmarked containers were present throughout this space.

No storage tanks were noted in the residential building.

7.5 Pits, Ponds, Lagoons, or Standing Water

No surface water or vegetation was noted at the Site.

7.6 Property Housekeeping

The Site was observed for indications of poor housekeeping practices (i.e., spills or staining) due to the improper handling of toxic and/or hazardous materials or wastes, and petroleum and chemical products.

7.6.1 Interior Housekeeping

The vacant portion of the commercial building appeared to be typical of past use as an auto repair shop. There was staining visible on the concrete floor and the cinder block walls were discolored.

Storage of materials and general housekeeping was poor at the G&T Service Station. The waste oil and unidentified drums were haphazardly located throughout the space and there was significant evidence of staining both on the drums and associated pipes/funnels in addition to the concrete floor. Materials stored on shelves were unorganized and poorly maintained. There did not appear to be any ventilation in this space aside from the open garage door.

7.6.2 Exterior Housekeeping

No evidence of poor housekeeping was observed on the exterior portion of the buildings. The only exterior area on the Site is a small courtyard at the rear of the residential house. This space appeared to be in good condition. No unusual odors were reported at the Site.

FLS did not observe any staining or unusual odors at the adjoining properties.

7.7 Asbestos-Containing Material

Based on the age of the buildings, ACMs may be present. No insulation was observed on the pipes in either building. The vinyl tile floors throughout the residential building may contain asbestos in addition to the roofing materials.

7.8 Lead-Based Paint

Based upon the age of the buildings, LBP is possibly present onsite. The paint was observed to be in good condition in the residential building and poor condition in the commercial building.

7.9 Polychlorinated Biphenyls

7.9.1 Definitions

Historically, PCBs were widely used in electrical equipment such as transformers, capacitors, switches and voltage regulators for their cooling properties. The manufacture,

processing, commercial distribution, and use (except in a "totally enclosed manner") of PCBs, was banned in 1979, under regulations promulgated pursuant to the Toxic Substance Control Act (40 CFR Part 761). PCB spills are subject to strict reporting, clean up, and disposal requirements due to the toxicity of these compounds and the threat to human health and the environment.

7.9.2 Site Survey

A survey for PCBs is not included within the scope of work defined in ASTM E 1527-05. However, it is noted that no transformers were located at the Site. PCBs can also be associated with elevator pits, but none were identified during the Site reconnaissance.

7.10 Indications of Solid Waste Disposal

Process Materials and Wastes

No process materials are generated at the Site. Solid waste is generated from G&T Service Station in the form of discarded car parts and items such as rags and empty containers. Personnel on-site at the time did not know the method of disposal for these items.

Site Waste Containment or Deposits

No indications of solid waste deposits on the Site were noted or are likely present on this property.

8.0 INTERVIEWS

8.1 Current and Historical Use Interviews

The following knowledgeable persons were interviewed with regard to the Site pursuant to ASTM 1527-05 Section 10:

8.1.1 Current Property Owner

The current property owner was interviewed with regard to the Site pursuant to ASTM 1527-05 Section 10:

Edward Williams and Julianne Williams
c/o Brian McCaffrey, Esq
88-18 Sutphin Blvd
Jamaica, NY 11435

Detailed information provided during the interview(s) is referenced in applicable sections of this report.

8.1.2 Current Site Operator or Key Site Manager

Mr. Williams was available for the Site reconnaissance of the commercial building and was able to answer general questions regarding the building. He was not aware of any contamination, environmental cleanups or liens on the property. Mr. Sayeed provided access to the residential building.

8.1.3 Site Occupants

The only occupant in the commercial building is the G&T Service Station. The second floor of the residential building is occupied by tenants.

8.1.4 Past Owners, Operators and Occupants

Past owners, operator and occupants of the Site were not made available for interviews.

8.1.5 Report User

The report user Tamares Real Estate Holdings, Inc. did not fill out the User Questionnaire.

9.0 FINDINGS

The following is a summary of the Phase I ESA findings and opinions. This is based on information collected from the Site reconnaissance, regulatory review, and historical document review.

- The commercial building has historically been used as an auto repair shop. The northeast corner of the building is still used as an auto repair shop, G&T Service Station. The historical and current use of the building has been identified as a REC.

- Both Lot 34 and Lot 36 are E-Designated for hazardous materials. This designation is most likely due to use of Lot 34 for auto repair operations. Additionally, many of the surrounding properties are also E-Designated. This designation has been identified as a REC.

- Historic property use on Lot 36 (25-11 38th Ave.) was originally commercial until around 1970 when the store was replaced with a dwelling.

10.0 Conclusions and Recommendations

FLS performed a *Phase I ESA* in conformance with the scope and limitations of ASTM Practice E 1527-05 of the property located at 25-11 and 25-17 38th Ave., Queens, New York 11101 (Tax Block 368, Lot 36 and Lot 34.) Any exceptions to, or deletions from, this practice are described in Section 2.4 of this report.

FLS recommends the following for the property:

- If any demolition or renovations are planned, ACMs and LBP surveys should be performed.
- Completion of a Phase II to determine if historic and current use of Lot 34 for auto repair operations has impacted the subsurface soils and/or groundwater.

Conclusion

Due to the E-Designation, a Phase II will be required prior to site development to determine if the underlying soil and/or groundwater have been impacted by historical property uses. Depending on the results of the investigation, remedial action may be necessary prior to OER approval to redevelop. This course of action is required prior to obtaining a building permit from the NYCDOB.

HEALTH AND SAFETY PLAN
FOR
SITE INVESTIGATION AND DRILLING ACTIVITIES

PREPARED FOR:

Tamares Development I, LLC
1500 Broadway 24th Floor
New York, NY 10036

FOR WORK AT:

25-11 & 25-17 38th Avenue
Queens, NY 11101

Tax Map Designation:

Block: 368 Lots: 34 & 36

PREPARED BY:

Galli Engineering, P.C.
734 Walt Whitman Road, Suite 402A
Melville, NY 11747

December, 2013

12/2013

Richard D. Galli, P.E. **Date**

UNAUTHORIZED ALTERATION OF, OR ADDITION TO, PLANS OR DOCUMENTS BEARING THE SEAL OF A LICENSED PROFESSIONAL ENGINEER IS A VIOLATION OF SECTION 7209, SUBDIVISION 2, OF THE NEW YORK STATE EDUCATION LAW. ANY ALTERATION OF THIS DOCUMENT MUST BE DONE BY A PERSON ACTING UNDER THE DIRECT SUPERVISION OF A LICENSED PROFESSIONAL IN ACCORDANCE WITH THE STATE EDUCATION LAW. COPIES OF THIS DOCUMENT NOT MARKED WITH AN ORIGINAL OF THE PROFESSIONAL ENGINEERS INKED SEAL SHALL NOT BE CONSIDERED VALID TRUE COPIES.

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APPENDICES:

Appendix A: Forms

SITE EMERGENCY FORM

Contaminants of Concern: Volatile Organic Compounds, Semi Volatile Organic Compounds and Heavy Metals
Minimum Level of Protection: Modified Level D

Do not endanger your life. Survey the situation before taking any action

Site Location Address: 25-11 & 25-17 38th Avenue
Queens, NY 11101

EMERGENCY PHONE NUMBERS

IN THE EVENT OF ANY EMERGENCY, CONTACT PROJECT MANAGER OR HEALTH AND SAFETY REPRESENTATIVE.

Ambulance: 911
Fire: 911
Police (114th Prct): 911 or (718) 626-9311
Poison Control: 1-800-222-1222
Project Manager: (631) 271-9292 Richard Galli, P.E.
Health/Safety Rep: (631) 271-9292
Hospital Name: Mount Sinai Hospital: 25-10 30th Avenue, Long Island City, New York 11101
Hospital Phone: General Information: (718) 932-1000

FIRST AID FOR PETROLEUM HYDROCARBON EMERGENCIES

Ingestion: DO NOT INDUCE VOMITING. Call Poison Control, follow instructions. Administer CPR, if necessary. Seek Medical attention.

Inhalation: Remove person from contaminated environment. DO NOT ENTER A CONFINED SPACE TO RESCUE SOMEONE WHO HAS BEEN OVERCOME UNLESS PROPERLY EQUIPPED AND A STANDBY PERSON IS PRESENT. Administer CPR if necessary. Seek medical attention.

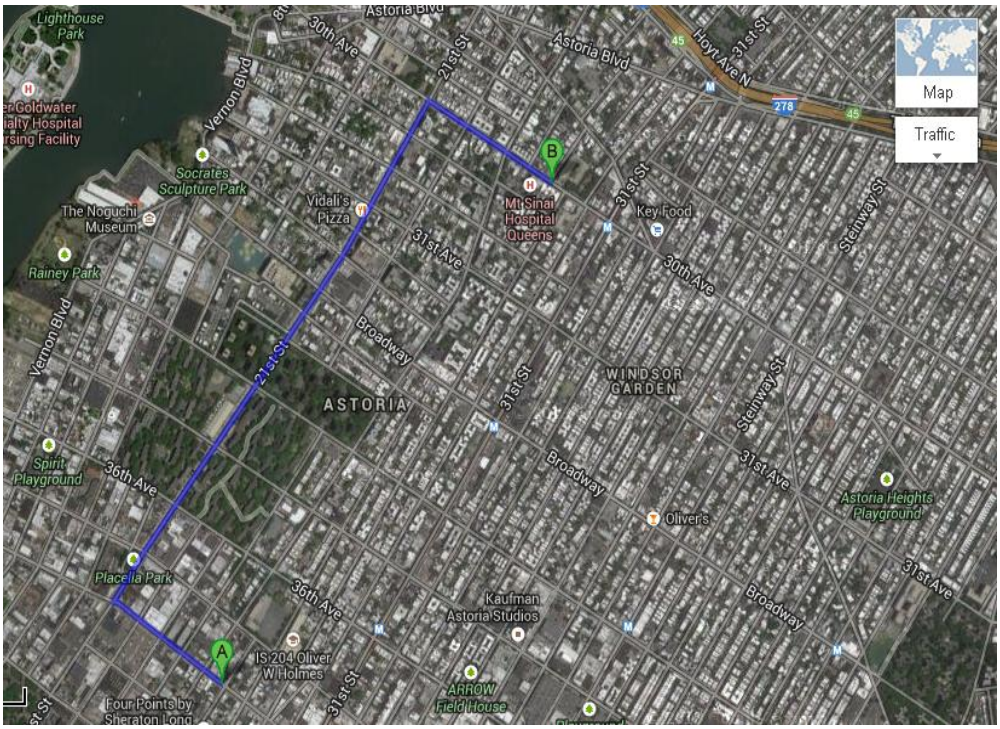
Skin Contact: Brush off dry material, remove wet or contaminated clothing. Flush skin thoroughly with water. Seek medical attention if irritation persists.

Eye Contact: Flush eyes with water for 15 minutes. Seek medical attention.

Exposure Symptoms: Headache, dizziness, nausea, drowsiness, irritation of eyes, nose, throat, breathing difficulties.

Contingency Plan: Report incident to Project Manager after emergency procedures have been implemented.

HOSPITAL DIRECTIONS FROM 25-17 38TH AVENUE	HOSPITAL INFORMATION
1. Head **northwest** on **38th Ave** toward **25th St/Crescent St** **2.** Turn right onto **21st St** **3.** Turn right onto **30th Ave** Destination will be on the left Mount Sinai Hospital 25-10 30th Avenue Queens, NY 11102	**Mount Sinai Hospital** **25-10 30th Avenue** **Long Island City, NY 11102** **General Information: 718) 932-1000**



EMERGENCY FIRST AID

1. Survey the situation. Do not endanger your own life. **DO NOT ENTER A CONFINED SPACE TO RESCUE SOMEONE WHO HAS BEEN OVERCOME UNLESS PROPERLY EQUIPPED AND A STANDBY PERSON IS PRESENT.**

2. Call 911 or the fire department **IMMEDIATELY**. Explain the physical injury, chemical exposure, fire or release.

3. Decontaminate the victim without delaying life-saving procedures.

4. If the victim's condition appears to be noncritical, but seems to be more severe than minor cuts, he/she should be transported to the nearest hospital by trained Emergency Medical Services (EMS) personnel. Let the doctor assume the responsibility for determining the severity of the injury. If the condition is obviously serious, EMS must transport the victim.

5. Notify the Project Manager.

EMERGENCY FIRST AID PROCEDURES	
To Stop Bleeding	Cardiopulmonary Resuscitation (CPR) **Only to be used by trained persons**
1. Give medical statement. 2. Assure airway, breathing and circulation. 3. Use **DIRECT PRESSURE** over the wound with clean dressing or your hand (use nonpermeable gloves). Direct pressure will control most bleeding. 4. Bleeding from an artery or several injury sites may require **DIRECT PRESSURE** on a **PRESSURE POINT**. Use pressure points for 30-60 seconds to help control severe bleeding. 5. Continue primary care and seek medical aid as needed.	1. Give medical statement 2. Arousal: Check for consciousness. 3. Open airway with chin-lift. 4. Look, listen and feel for breathing. 5. If breathing is absent, give 2 full rescue breaths. 6. Check the pulse for 5 to 10 seconds. 7. If pulse is present, continue rescue breathing: **1 breath every 5 seconds.**

MSDS DEFINITIONS

TLV-TWA	**Threshold Limit Value - Time Weighted Average** - The time-weighted average concentration for a normal 8-hour work day and a 40-hour work week, to which nearly all workers may be repeatedly exposed without adverse effect.
PEL	**Permissible Exposure Limit** - Time-weighted average concentrations similar to (and in many cases derived from) the Threshold Limit Values.
REL	**Recommended Exposure Limit** - as defined by NIOSH similar to the Threshold Limit Values.
IDLH	**Immediately Dangerous to Life or Health** - Any atmospheric condition that poses an immediate threat to life, or which is likely to result in acute or immediate severe health effects. Oxygen deficiency is IDLH.
LEL	**Lower Explosive Limit** - The minimum concentration of vapor in air below which propagation of a flame will not occur in the presence of an ignition source.
UEL	**Upper Explosive Limit** - The maximum concentration of vapor in air above which propagation of a flame will not occur in the presence of an ignition source.
FP	**Flash Point** - The lowest temperature at which the vapor of a combustible liquid can be made to ignite momentarily in air.
VP	**Vapor Pressure** - The pressure characteristic at any given temperature of a vapor in equilibrium with its liquid or solid form, often expressed in millimeters of mercury (mm Hg).
Odor Threshold	A property displayed by a particular compound. Low detection indicates a physiological sensation due to molecular contact with the olfactory nervous system (based on 50% of the population).
IP	**Ionization Potential** - The energy required to form an ion by removal of a given electron from an atom.

CONTAMINANTS PROFILE			
Chemical	Exposure Route	Symptoms of Overexposure	Incompatibilities
Volatile Organic Compounds	Inhalation and/or ingestion, skin contact	Eye, nose, and throat irritation; headaches, loss of coordination, nausea; damage to liver, kidney, and central nervous system.	
Semi Volatile Organic Compounds	Inhalation and/or ingestion, skin contact	Eye, nose, and throat irritation; headaches, loss of coordination, nausea; damage to liver, kidney, and central nervous system.	
Heavy Metals	Inhalation and/or ingestion, skin contact	Abdominal discomfort, nausea and/or constipation, diarrhea, metallic taste, weakness, muscle pains, irritability, headache, dizziness.	
Lead	Inhalation, ingestion, skin and/or eye contact	Lassitude (weakness, exhaustion), insomnia; facial pallor; anorexia, weight loss, malnutrition; constipation, abdominal pain, colic; anemia; gingival lead line; tremor; paralysis wrist, ankles; encephalopathy; kidney disease; irritation eyes; hypertension	Strong oxidizers, hydrogen peroxide, acids
Mercury	Inhalation, skin absorption, ingestion, skin and/or eye contact	Paresthesia; ataxia, dysarthria; vision, hearing disturbance; spasticity, jerking limbs; dizziness; salivation; lacrimation (discharge of tears); nausea, vomiting, diarrhea, constipation; skin burns; emotional disturbance; kidney injury; possible teratogenic effects	Strong oxidizers such as chlorine

1.0 PURPOSE

The site at 25-11 & 25-17 38th Avenue, Long Island City, NY 11101; Block: 368, Lots: 34 & 36 will be excavated in order to remove contaminated soils for site redevelopment.

The 0.171 acre Site that will be the subject of this HASP is currently a 2-story residential building and a 1-story commercial building which is partially vacant. The northeast corner of the commercial building is currently used as an auto repair shop. The Site is improved with a 2-story residential building that occupies the majority of Lot 36. The remainder of the lot is occupied by a concrete patio. On Lot 34, the 1-story commercial building occupies the entire lot. From the Site, 25th Street is located to the west, 37th Avenue is located to the north, 27th Street is to the east and 38th Avenue is to the south in Long Island City, Queens County, New York. It is identified by New York City Tax Map Designations: Block 368, Lots: 34 & 36. The mailing addresses for the various lots are as follows:

Block	Lot	Address
368	34	25-17 38th Avenue
368	36	25-11 38th Avenue

This Health and Safety Plan has been prepared to describe procedures to be employed to protect workers and to minimize nuisance impacts to adjacent properties during the period when soil borings and sampling are under way (the Work Period).

All persons working on the site during the Work Period will be given a copy of this Site Health and Safety Plan (HASP) for review prior to beginning excavation work at the site. The Contractor and his subs shall implement, maintain and enforce these procedures during the Work Period.

The Contractor shall designate a responsible person to act as the Health and Safety Manager (HSM) for implementation of this HASP. The HSM will conduct initial site specific training and provide support for all health and safety activities as necessary, including upgrading or downgrading the level of personnel protection.

The HSM shall be assigned to the Site on a full time basis and be either the Contractor's employee or a subcontractor who reports to the Contractor in matters pertaining to site safety and health.

The following definitions shall be used throughout this specification:

1. Health and Safety Manager (HSM): The Contractor's employee or agent assigned to the Site on a full time basis for the duration of the Work Period with functional responsibility for implementation of the HASP.

2. Initial Remedial Action: An action taken to mitigate a health or safety problem so that subsequent work may have a lesser impact on worker safety or the environment.

3. Site: For the purpose of this HASP, “the Site” shall be the entire construction site at Block: 368, Lots: 34 & 36 located at 25-11 & 25-17 38th Avenue, Long Island City, NY 11101.

4. Monitoring: Indicates the use of field instrumentation to provide information regarding the levels or organic vapors or dust being released during remedial action. Monitoring required by this HASP shall be conducted to evaluate employee exposures to toxic materials and potential for impacts to adjacent properties.

5. Physician: A licensed physician with experience in the practice of occupational medicine and provided by the Contractor.

2.0 REGULATORY REQUIREMENTS AND APPLICABLE PUBLICATIONS

The site specific HASP shall be consistent with the requirements of:

1. Occupational Safety and Health Administration (OSHA) Standards and Regulations contained in Title 29, Code of Federal Regulations, Parts 1910 and 1926 (29 CFR 1910 and 1926), specifically including 29 CFR 1910.120, "Hazardous Waste Operations and Emergency Response".

2. United State Environmental Protection Agency (USEPA) Standard Operating Guidelines Revised November, 1984.

3. Corps of Engineers Accident Prevention and Safety and Health Requirements Manual, EM 385-1-1. Revised October 1984.

4. NIOSH/OSHA/USCG/EPA Occupational Safety and Health Guidance Manual for Hazardous Site Activities, October 1985, DHHS (NIOSH) Publ. No. 85-115.

5. United States Environmental Protection Agency (USEPA) Standard Operating Procedures and Quality Assurance Manual, Region IV. April 1986.

The HASP shall address, but not necessarily be limited to, the following components:

1. Names of key personnel and alternates responsible for site safety and health (responsibilities and chain of command)

2. Site Description and Evaluation

3. Site Control Measures (work zones, communication, and security)

4. Safety Training

5. Emergency Equipment and First Aid Requirements

6. Personnel Protective Equipment

7. Personnel Hygiene and Decontamination

8. Air and Noise Monitoring (Environmental and Personnel)

9. Confined Space Entry Procedures

10. Equipment Decontamination

Determination of the appropriate level of worker safety equipment and procedures shall be made by the Contractor as a result of an initial site survey, review of existing data and a continuing safety

and health monitoring program performed by the Contractor's HSM in accordance with the requirements specified herein.

Should any unforeseen or site specific safety related factor, hazard, or condition become evident during the performance of work at this Site, the Contractor will bring such to the attention of the Owner both verbally and in writing as quickly as possible, for resolution. In the interim, the Contractor shall take prudent action to establish and maintain safe working conditions and to safeguard employees, the public, and the environment.

3.0 SITE CONTROL

The current site will be locked during the Work Period to prevent unauthorized access during non-working hours. During the Work Period, all construction vehicles will be logged on and off the site by the HSM or his delegate.

Temporary controls will be put in place “as/where needed” to ensure safe and secure access for site tenants (defined below).

Communications

Telephone communications will be available via cell phones. Emergency numbers, including police, fire, ambulance, hospital and DEP shall be prominently posted or available on site.

Security

Site security shall be provided and maintained 24 hours per day for the duration of the work in order to restrict unauthorized access to the site. The Security Office shall be maintained in the Contractor's facilities. Specific components of this security operation are as follows:

1. Vehicular access to the work area shall be restricted to authorized vehicles only.
2. A log of security incidents will be maintained.
3. No visitors shall be allowed on-site without the expressed approval of the Owner.
4. Provisions will be made to ensure that open areas “those areas unable to be locked down” will be secured in a manner approved by owner (IE: temporary fencing or completion of work prior to end of working day).

Environmental Controls

Dust raised by activities will be minimized by spraying water freely on all access ways to and from the site; on all exposed faces of any working pile; on areas traversed by construction equipment; and, at any other area where dust is seen to be created.

4.0 TRAINING

The Contractor shall be required to verify that all of his personnel assigned to or regularly entering the work area have been presented a copy of the HASP and have reviewed appropriate safety training in accordance with 29 CFR 1910.120. All contractors' workers will have received the 40 hour HAZWOPER initial training. They will also have an up-to-date 8 hour refresher course.

A site-specific health and safety briefing will be given to all personnel who will be working in the Work Area during the Work Period to familiarize them with the site safety procedures.

5.0 EMERGENCY EQUIPMENT AND FIRST AID

The Contractor shall be required to develop contingency plans including evacuation procedures and routes to places of refuge or safe distances from the danger area, for the following potential emergencies: chemical exposure, personal injury, potential or actual fire or explosion, and environmental accident (spill or release). In the event of any such emergency, the Contractor shall without delay take diligent action to remove or otherwise minimize the cause of the emergency; alert the Owner and institute whatever measures might be necessary to prevent any repetition of the conditions or actions resulting in the emergency.

Emergency medical care services shall be available at a nearby medical facility with established emergency routes. The staff at the facility shall be advised of any potential unusual medical emergencies that might result.

The Contractor shall establish emergency communications with a health care facility and emergency services if warranted by anticipated site conditions. The name of this facility, name of contact, emergency routes and emergency communications arrangements are provided on the first page of this safety plan. In addition the Contractor shall provide certain equipment:

A fully stocked first aid kit shall be provided and maintained in close proximity to the work, but not inside a hazardous work area. The first aid kit shall be specially marked and provided with adequate supplies necessary to cleanse and decontaminate burns, wounds, or lesions. It shall comply with OSHA 29 CFR 1910.151 Appendix A or ANSI Z308.1-1998 "Minimum Requirements for Workplace First-aid Kits”.

6.0 PERSONNEL PROTECTIVE EQUIPMENT

During the Work Period, the Contractor and/or his subs shall be required to provide all on-site personnel with appropriate personnel safety equipment and protective clothing and will ensure that all safety equipment and protective clothing is kept clean and well maintained. "Action levels" for determining the specified minimum levels of protection shall be based upon air monitoring results and direct contact potential. Specific action levels are listed in Table 8.1. The level of personnel protection required at the Site is not expected to exceed Modified Level D. Any changes to the minimum level of protection shall be approved by the HSM and the Owner. At a minimum the following items shall be provided:

Protective clothing shall be furnished for on-site personnel consisting of:

Modified Level D Equipment:

(* refers to optional equipment, if applicable)

Work clothing as dictated by weather
Coveralls
Gloves*
Hardhat
Safety glasses*
Safety shoes or boots; chemical-resistant, steel toe and shank
Outer, disposable, chemical resistant boots*
Face shield*

Upgrade as necessary to Level C when air monitoring Action Levels are exceeded.

Level C Equipment:

(* refers to optional equipment, if applicable)

Full-face or half-mask air purifying, canister-equipped respirator (NIOSH approved)
Hooded chemical-resistant clothing
Coveralls*
Gloves, inner, chemical-resistant
Gloves, outer, chemical-resistant
Safety boots; chemical-resistant, steel toe and shank
Disposable outer, chemical-resistant boot covers*
Hardhat
Escape air mask*
Face shield*
2 way radios (worn under outside protective clothing)*

All prescription eyeglasses in use on the Site shall be safety glasses. Prescription lens inserts shall be provided for full face respirators.

Footwear used on-site shall be steel-toed, steel shank safety shoes or boots, with chemical resistant soles and shall meet ASTM F2412 and F2413.

All on-site personnel shall wear a hardhat when engaging in construction or excavation activities.

All personnel protective equipment worn on-site shall be decontaminated or properly disposed of at the end of the work day. The HSM is responsible for ensuring all reusable personnel protective equipment is decontaminated and sanitized before being reissued.

Respirators shall be individually assigned and not interchanged between workers for the duration of the project. Respirators shall not be reissued without proper decontamination and disinfection.

Cartridges, canisters and filters shall be changed at least daily. A procedure for assuring periodic cleaning and maintenance of facemasks and change-out of filters shall be provided by the Contractor.

Modified Level D shall be the minimum level of protection set for all primary operations performed at the Site, unless an upgrade is required in accordance with the provisions set forth in the Air Monitoring program.

7.0 PERSONAL HYGIENE AND DECONTAMINATION

During the Work Period, all on-site personnel performing or supervising remedial work at this site or exposed or subject to exposure to hazardous chemical vapors, liquids, or contaminated solids shall observe and adhere to the personnel hygiene-related provisions of this paragraph. The following conditions and procedures shall be followed:

1. The Contractor or his subs shall be required to provide and require use by personnel of all protective clothing including disposable work clothing and safety boots, storage and disposal containers for used disposable outerwear, washing facilities, a facility for changing into and out of and storing work clothing separate from street clothing, a lunch and/or break room, and portable toilets.

2. Disposable outerwear shall not be reused and when removed, shall be placed inside disposal containers provided for this purpose.

3. Smoking is prohibited at the worksite.

4. Employees must wash up before eating in the designated areas.

8.0 AIR AND NOISE MONITORING

Due to the relatively low potential for worker exposure to dangerous conditions and adverse impacts to surrounding occupants, air monitoring will only be performed during the Work Period if odors are noticed or visual observations show apparent chemical or petroleum staining. Baseline readings will be taken prior to the start of drilling each day of work.

In the event of chemical contamination, the Contractor will advise the Owner, who will call the Engineering Consultant. The Consultant will come in and monitor the work area with a photoionization detector (PID). All readings will be taken in the workers' breathing zone to determine whether an action level has been met and/or exceeded. Air monitoring results will be documented on the Air Monitoring Log (Appendix A).

Air monitoring action levels (Table 8.1) have been established to indicate the chemical concentrations in the breathing zone that require an upgrade in level of personnel protective equipment (PPE). The action levels apply to all tasks performed on this site. Guidelines for frequency of air monitoring are presented below.

If noise complaints are registered, noise measurements will be taken and readings compared against limits set forth in the NYC Zoning Resolution.

TABLE 8.1 AIR MONITORING ACTION LEVELS			
Instrument*	**Function**	**Measurement**	**Action**
Photoionization Detector (PID), Flame Ionization Detector (FID)	Measured total organic vapors	0-5 ppm	• Level D required
		5-500 ppm	• Upgrade to Level C
		> 500 ppm	• **Stop work**. Contact PM and HSR for guidance
Oxygen/Combustible Gas Meter (O_2/LEL) **NOTE:** Combustible gas meter readings obtained in an oxygen deficient atmosphere will not be accurate	Measures oxygen level (O_2) and lower explosive limit (% LEL)	O_2 19.5-22%	• Acceptable conditions - Continue normal activity
		O_2 <19.5	• Ventilate the space • Notify PM and SSHO if unable to achieve acceptable conditions
		O_2 >22%	• **Leave area immediately**: this atmosphere is extremely flammable • Notify PM and SSHO
		LEL<10%	• Acceptable conditions - Continue normal activity
		LEL>10%	• **Leave area immediately** • Contact PM and SSHO for guidance on venting and other safety measures
* NOTE: Instruments must be calibrated according to manufacturer's recommendations			

Air Monitoring Frequency Guidelines

Periodic monitoring will be conducted during the Work Period when: (1) it is possible that an IDLH condition or a flammable atmosphere has developed or (2) there is an indication that exposures may have risen over permissible exposure limits or published exposure levels since the last monitoring. Look for a possible rise in exposures associated with these situations:

- Change in Site Area - work begins on a different section of the site
- Change in Contaminants - handling contaminants other than those first identified
- Change in On-Site Activity - one operation ends and another begins
- Handling Leaking Drums or Containers
- Working with Obvious Liquid Contamination (e.g., a spill or lagoon)

9.0 CONFINED SPACE ENTRY PROCEDURES AND PERMIT

NO CONFINED SPACE ENTRY IS ANTICIPATED FOR THIS WORK.

Site work may require personnel to enter confined spaces. **No personnel shall enter an area identified as a confined space without using the confined space entry procedures.** The purpose of the confined space entry procedure is to protect employees from potentially hazardous environments and to facilitate immediate rescue in an emergency situation. A Confined Space Entry Permit must be posted at the entrance to each confined space.

DEFINITION: A Permit Required Confined Space means an enclosed space which is large enough and so configured that an employee can bodily enter and perform assigned work; has limited or restricted means for entry or exit (some examples are tanks, vessels, silos, storage bins, hoppers, vaults, pits and diked areas); is not designed for continuous employee occupancy; and has one or more of the following characteristics: (A) contains or has a known potential to contain a hazardous atmosphere (including oxygen deficient); (B) contains a material with the potential for engulfment of an entrant; (C) has an internal configuration such that an entrant could be trapped or asphyxiated by inwardly converging walls, or a floor which slopes downward and tapers to a smaller cross-section; or (D) contains any other recognized serious safety or health hazard.

Protocol For Confined Space Entry

- Perform the appropriate air monitoring activity at various depths in the space prior to entry. Monitor for: (1) oxygen level, (2) flammable vapors, and (3) toxic vapors.
- Ventilate the atmosphere in the space so that entry may be made safely without respiratory protection. If this is not feasible, appropriate respiratory protection must be worn by authorized entrants and attendants.
- Wear appropriate respiratory protection when ventilation alone can not achieve acceptable atmospheric levels of oxygen or flammable or toxic vapors. Note: Respirators alone are not sufficient in oxygen deficient atmospheres.
- Provide emergency means of evacuation - lifelines, mechanical hoist, etc.
- Provide at least one attendant to remain outside the confined space entering the confined space who is required to stay at the entrance of the confined space.

10.0 EQUIPMENT DECONTAMINATION

All equipment used in the work area during the Work Period shall be decontaminated prior to leaving the Site. The procedures for decontamination of equipment shall be approved by the Engineer. The Contractor shall be responsible for monitoring all vehicle decontamination prior to exiting the Site, where required.

1. Personnel engaged in vehicle decontamination shall wear protective equipment including disposable clothing and respiratory protection (as necessary) consistent with the requirements of this HASP.

2. Decontamination will consist only of rinsing with water unless there is an obvious additional need.

APPENDIX A

FORMS

VAPOR MONITORING FORM

Project Name:

Project Number:

Contaminants:

Date	Time	Ionization Detector Reading		Explosimeter Reading		Radiation Monitor Reading Mr/hr	Location	Purpose	Initials
		FID	PID	%LEL	& O_2				

VISITOR/TENANT/TRAINEE GUIDELINES

Galli Engineering is committed to providing a safe environment on all work sites for visitors, tenants, trainees, employees and/or passersby. In order to accomplish this, the following guidelines must be followed.

1. **VISITORS**

   Any person not actively participating in the work at the site is regarded as a "visitor" and must follow these visitor/trainee guidelines. Visitors must be accompanied by an authorized representative while on site.

   Sites must be marked with signs, placards, and/or barricades to designate hazardous boundaries. Visitors will not be allowed on any site that is not adequately marked.

2. **TENANTS**

   Any person not participating in the work at the site yet requiring access per employment with site occupant is regarded as a “tenant”.

   Tenants will be provided a “work plan” showing areas of work, durations, any potential issues that may arise from said activities, and any precautions deemed prudent by project management team/Health and Safety Representative that are being taken.

   Due diligence precautions will be taken during activities impacting tenant access/workspace to ensure tenant safety and security.

   Tenant groups to be provided with:
   Health and Safety Rep. contact details
   Emergency phone number list
   Project Management contact list
   Site Emergency Form
   First Aid directions
   Hospital Directions

3. **TRAINEES**

   Trainees are employees of Galli Engineering or their representatives who have not yet completed the required safety training program. New hires and in-house company transfers will be considered trainees until safety training requirements are met.

   Trainees will be informed of restrictions by their supervisor and must abide by them before visiting active sites.

   Trainees will be permitted to visit Galli Engineering sites as observers as long as the following conditions are met:

   - Trainees are supervised at all times while observing on site.
   - Trainees do not perform work functions of any type while on site.
   - Trainees do not handle any equipment, tools and/or supplies while on site.
   - Trainees do not enter any hazardous or hot zone or confined space areas while on site.

Supervisors will be responsible for informing trainees of the above conditions and for ensuring that the conditions are met. Supervisors will also ensure that trainees will not be asked to violate the conditions listed above.

A Trainee/Visitor Agreement Form must be signed by both the trainee and the supervisor.

Infractions of the above agreement will be viewed as extremely serious and will be subject to discipline up to and including termination for either the trainee and/or supervisor.

AGREEMENT AND ACKNOWLEDGMENT STATEMENT

Health and Safety Plan Agreement

Galli personnel have the authority to stop activities performed by our subcontractors or visitors at this site if any field activity is not performed in accordance with the requirements of this Health and Safety Plan, and as per directive of the Site Supervisor (SS).

All Galli Engineering, P.C. Project personnel, subcontractor personnel, and visitors are required to sign the following agreement.

1. I have read and fully understand the Health and Safety Plan (HASP) and my individual responsibilities.

2. I agree to abide by the provisions of the Health and Safety Plan (HASP).

Name:

Date:

DAILY LOG

Date: _____ Prepared By: _____

Environmental Sampling Results:

PARAMETER	TIME	SAMPLE LOCATION	RESULT

Signed: _____

Soil Boring Logs			
Soil Boring Designation	**Notations**	**Sample Interval (Ft.)**	**PID Results (ppm)**
SB-1	Dark brown medium sand	0’-5’	0.1
	Fine brown sand, some silt	5’-10’	0.1
	Fine brown sand, some silt	10’-15’	0.1
	Brown silt	15’-20’	0.1
SB-2	Brown medium sand, some fill	0’-5’	0.0
	Brown medium sand, some fill	5’-10’	0.0
	Coarse brown sand with gravel	10’-15’	0.0
	Dark brown medium sand	15’-20’	0.0
	Brown medium sand with silt	20’-25’	0.0
	Brown medium sand	25’-30’	0.0
	Coarse brown sand with gravel	30’-35’	0.0
	Coarse brown sand with gravel	35’-40’	0.0
SB-3	Light brown medium sand	0’-5’	0.0
	Light brown medium sand	5’-10’	0.0
	Fine brown sand	10’-15’	0.0
	Light brown medium sand	15’-20’	0.0
SB-4	Fine brown sand	0’-5’	0.0
	Coarse brown sand with gravel	5’-10’	0.0
	Coarse brown sand with gravel	10’-15’	0.0
	Coarse brown sand with gravel	15’-20’	0.0
SB-5	Brown medium sand, some rock	0’-5’	1.2
	Light brown coarse sand	5’-10’	7.2
	Light brown coarse sand	10’-16’	16.3
SB-6	Brown medium sand, some rock	0’-5’	0.0
	Brown fine sand	5’-10’	9.1
	Brown fine sand	10’-16’	17.3
SB-7	Brown medium sand 0’-3’; light brown medium sand with rock and concrete 3’-5’	0’-5’	0.0
	Brown medium sand 5’-7’; light brown fine sand 7’-10’	5’-10’	0.0
	Light brown fine sand	10’-15’	0.0
	Light brown fine sand	15’-20’	0.0

SB-8	Basement space	0’-5’	0.0
	Medium brown coarse sand	5’-10’	29.4
	Medium brown fine sand	10’-16’	8.8

PHOENIX
Environmental Laboratories, Inc.

Thursday, March 13, 2014

Attn: Melissa Pryer
Galli Engineering, P.C.
734 Walt Whitman Rd
Suite 402A
Melville, NY 11747

Project ID: 25-11 & 25-17 38TH AVE
Sample ID#s: BG16438 - BG16446

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Telephone (860) 645-1102 Fax (860) 645-0823

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

SDG Comments

March 13, 2014

SDG I.D.: GBG16438

Please be advised that the NY unrestricted soil criteria for chromium is based on hexavalent chromium and trivalent chromium.

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 13, 2014

FOR: Attn: Melissa Pryer
Galli Engineering, P.C.
734 Walt Whitman Rd
Suite 402A
Melville, NY 11747

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	MP	03/05/14	8:30
Location Code:	GALLI-ENG	Received by:	LDA	03/06/14	17:00
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG16438
Phoenix ID: BG16438

Project ID: 25-11 & 25-17 38TH AVE
Client ID: SB5 0-2

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Silver	< 0.36	0.36	mg/Kg	03/07/14	LK	SW6010
Aluminum	10900	53	mg/Kg	03/07/14	LK	SW6010
Arsenic	3.4	0.7	mg/Kg	03/07/14	LK	SW6010
Barium	154	0.36	mg/Kg	03/07/14	LK	SW6010
Beryllium	0.46	0.28	mg/Kg	03/07/14	LK	SW6010
Calcium	959	5.3	mg/Kg	03/07/14	LK	SW6010
Cadmium	< 0.36	0.36	mg/Kg	03/07/14	LK	SW6010
Cobalt	5.58	0.36	mg/Kg	03/07/14	LK	SW6010
Chromium	18.0	0.36	mg/Kg	03/07/14	LK	SW6010
Copper	26.3	0.36	mg/kg	03/07/14	LK	SW6010
Iron	15900	53	mg/Kg	03/07/14	LK	SW6010
Mercury	0.27	0.06	mg/Kg	03/07/14	RS	SW-7471
Potassium	908	5.3	mg/Kg	03/07/14	LK	SW6010
Magnesium	2230	5.3	mg/Kg	03/07/14	LK	SW6010
Manganese	373	3.6	mg/Kg	03/07/14	LK	SW6010
Sodium	223	5.3	mg/Kg	03/07/14	LK	SW6010
Nickel	12.0	0.36	mg/Kg	03/07/14	LK	SW6010
Lead	232	3.6	mg/Kg	03/07/14	LK	SW6010
Antimony	< 3.6	3.6	mg/Kg	03/07/14	LK	SW6010
Selenium	< 1.4	1.4	mg/Kg	03/07/14	LK	SW6010
Thallium	< 3.2	3.2	mg/Kg	03/07/14	LK	SW6010
Vanadium	24.0	0.36	mg/Kg	03/07/14	LK	SW6010
Zinc	137	0.36	mg/Kg	03/07/14	LK	SW6010
Percent Solid	89		%	03/06/14	I	E160.3
Total Cyanide	< 0.56	0.56	mg/Kg	03/06/14	O/GD	SW 9010/9012
Soil Extraction for PCB	Completed			03/06/14	BB	SW3545
Soil Extraction for Pesticide	Completed			03/06/14	BB	SW3545
Soil Extraction for SVOA	Completed			03/06/14	BB/FV	SW3545

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Mercury Digestion	Completed			03/07/14	I/I	SW7471	
Total Metals Digest	Completed			03/06/14	CB/AG	SW846 - 3050	
Field Extraction	Completed			03/05/14		SW5035	
Polychlorinated Biphenyls							
PCB-1016	ND	370	ug/Kg	03/07/14	AW	SW 8082	
PCB-1221	ND	370	ug/Kg	03/07/14	AW	SW 8082	
PCB-1232	ND	370	ug/Kg	03/07/14	AW	SW 8082	
PCB-1242	ND	370	ug/Kg	03/07/14	AW	SW 8082	
PCB-1248	ND	370	ug/Kg	03/07/14	AW	SW 8082	
PCB-1254	ND	370	ug/Kg	03/07/14	AW	SW 8082	
PCB-1260	ND	370	ug/Kg	03/07/14	AW	SW 8082	
PCB-1262	ND	370	ug/Kg	03/07/14	AW	SW 8082	
PCB-1268	ND	370	ug/Kg	03/07/14	AW	SW 8082	
QA/QC Surrogates							
% DCBP	108		%	03/07/14	AW	30 - 150 %	
% TCMX	101		%	03/07/14	AW	30 - 150 %	
Pesticides							
4,4' -DDD	ND	71	ug/Kg	03/07/14	CE	SW8081	
4,4' -DDE	ND	71	ug/Kg	03/07/14	CE	SW8081	
4,4' -DDT	ND	71	ug/Kg	03/07/14	CE	SW8081	
a-BHC	ND	36	ug/Kg	03/07/14	CE	SW8081	
Alachlor	ND	36	ug/Kg	03/07/14	CE	SW8081	1
Aldrin	ND	11	ug/Kg	03/07/14	CE	SW8081	
b-BHC	ND	36	ug/Kg	03/07/14	CE	SW8081	
Chlordane	ND	110	ug/Kg	03/07/14	CE	SW8081	
d-BHC	ND	36	ug/Kg	03/07/14	CE	SW8081	
Dieldrin	ND	11	ug/Kg	03/07/14	CE	SW8081	
Endosulfan I	ND	36	ug/Kg	03/07/14	CE	SW8081	
Endosulfan II	ND	71	ug/Kg	03/07/14	CE	SW8081	
Endosulfan sulfate	ND	71	ug/Kg	03/07/14	CE	SW8081	
Endrin	ND	71	ug/Kg	03/07/14	CE	SW8081	
Endrin aldehyde	ND	71	ug/Kg	03/07/14	CE	SW8081	
Endrin ketone	ND	71	ug/Kg	03/07/14	CE	SW8081	
g-BHC	ND	11	ug/Kg	03/07/14	CE	SW8081	
Heptachlor	ND	22	ug/Kg	03/07/14	CE	SW8081	
Heptachlor epoxide	ND	36	ug/Kg	03/07/14	CE	SW8081	
Methoxychlor	ND	360	ug/Kg	03/07/14	CE	SW8081	
Toxaphene	ND	1800	ug/Kg	03/07/14	CE	SW8081	
QA/QC Surrogates							
% DCBP	Diluted Out		%	03/07/14	CE	30 - 150 %	
% TCMX	Diluted Out		%	03/07/14	CE	30 - 150 %	
Volatiles							
1,1,1,2-Tetrachloroethane	ND	14	ug/Kg	03/07/14	JLI	SW8260	
1,1,1-Trichloroethane	ND	14	ug/Kg	03/07/14	JLI	SW8260	
1,1,2,2-Tetrachloroethane	ND	8.4	ug/Kg	03/07/14	JLI	SW8260	
1,1,2-Trichloroethane	ND	14	ug/Kg	03/07/14	JLI	SW8260	
1,1-Dichloroethane	ND	14	ug/Kg	03/07/14	JLI	SW8260	

Project ID: 25-11 & 25-17 38TH AVE
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Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
1,1-Dichloroethene	ND	14	ug/Kg	03/07/14	JLI	SW8260	
1,1-Dichloropropene	ND	14	ug/Kg	03/07/14	JLI	SW8260	
1,2,3-Trichlorobenzene	ND	14	ug/Kg	03/07/14	JLI	SW8260	
1,2,3-Trichloropropane	ND	14	ug/Kg	03/07/14	JLI	SW8260	
1,2,4-Trichlorobenzene	ND	14	ug/Kg	03/07/14	JLI	SW8260	
1,2,4-Trimethylbenzene	ND	14	ug/Kg	03/07/14	JLI	SW8260	
1,2-Dibromo-3-chloropropane	ND	14	ug/Kg	03/07/14	JLI	SW8260	
1,2-Dibromoethane	ND	14	ug/Kg	03/07/14	JLI	SW8260	
1,2-Dichlorobenzene	ND	14	ug/Kg	03/07/14	JLI	SW8260	
1,2-Dichloroethane	ND	14	ug/Kg	03/07/14	JLI	SW8260	
1,2-Dichloropropane	ND	14	ug/Kg	03/07/14	JLI	SW8260	
1,3,5-Trimethylbenzene	ND	14	ug/Kg	03/07/14	JLI	SW8260	
1,3-Dichlorobenzene	ND	14	ug/Kg	03/07/14	JLI	SW8260	
1,3-Dichloropropane	ND	14	ug/Kg	03/07/14	JLI	SW8260	
1,4-Dichlorobenzene	ND	14	ug/Kg	03/07/14	JLI	SW8260	
2,2-Dichloropropane	ND	14	ug/Kg	03/07/14	JLI	SW8260	
2-Chlorotoluene	ND	14	ug/Kg	03/07/14	JLI	SW8260	
2-Hexanone	ND	70	ug/Kg	03/07/14	JLI	SW8260	
2-Isopropyltoluene	ND	14	ug/Kg	03/07/14	JLI	SW8260	1
4-Chlorotoluene	ND	14	ug/Kg	03/07/14	JLI	SW8260	
4-Methyl-2-pentanone	ND	70	ug/Kg	03/07/14	JLI	SW8260	
Acetone	ND	84	ug/Kg	03/07/14	JLI	SW8260	
Acrylonitrile	ND	14	ug/Kg	03/07/14	JLI	SW8260	
Benzene	ND	14	ug/Kg	03/07/14	JLI	SW8260	
Bromobenzene	ND	14	ug/Kg	03/07/14	JLI	SW8260	
Bromochloromethane	ND	14	ug/Kg	03/07/14	JLI	SW8260	
Bromodichloromethane	ND	14	ug/Kg	03/07/14	JLI	SW8260	
Bromoform	ND	14	ug/Kg	03/07/14	JLI	SW8260	
Bromomethane	ND	14	ug/Kg	03/07/14	JLI	SW8260	
Carbon Disulfide	ND	14	ug/Kg	03/07/14	JLI	SW8260	
Carbon tetrachloride	ND	14	ug/Kg	03/07/14	JLI	SW8260	
Chlorobenzene	ND	14	ug/Kg	03/07/14	JLI	SW8260	
Chloroethane	ND	14	ug/Kg	03/07/14	JLI	SW8260	
Chloroform	ND	14	ug/Kg	03/07/14	JLI	SW8260	
Chloromethane	ND	14	ug/Kg	03/07/14	JLI	SW8260	
cis-1,2-Dichloroethene	ND	14	ug/Kg	03/07/14	JLI	SW8260	
cis-1,3-Dichloropropene	ND	14	ug/Kg	03/07/14	JLI	SW8260	
Dibromochloromethane	ND	8.4	ug/Kg	03/07/14	JLI	SW8260	
Dibromomethane	ND	14	ug/Kg	03/07/14	JLI	SW8260	
Dichlorodifluoromethane	ND	14	ug/Kg	03/07/14	JLI	SW8260	
Ethylbenzene	ND	14	ug/Kg	03/07/14	JLI	SW8260	
Hexachlorobutadiene	ND	14	ug/Kg	03/07/14	JLI	SW8260	
Isopropylbenzene	ND	14	ug/Kg	03/07/14	JLI	SW8260	
m&p-Xylene	ND	14	ug/Kg	03/07/14	JLI	SW8260	
Methyl Ethyl Ketone	ND	84	ug/Kg	03/07/14	JLI	SW8260	
Methyl t-butyl ether (MTBE)	ND	28	ug/Kg	03/07/14	JLI	SW8260	
Methylene chloride	ND	14	ug/Kg	03/07/14	JLI	SW8260	
Naphthalene	ND	14	ug/Kg	03/07/14	JLI	SW8260	
n-Butylbenzene	ND	14	ug/Kg	03/07/14	JLI	SW8260	

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
n-Propylbenzene	ND	14	ug/Kg	03/07/14	JLI	SW8260	
o-Xylene	ND	14	ug/Kg	03/07/14	JLI	SW8260	
p-Isopropyltoluene	ND	14	ug/Kg	03/07/14	JLI	SW8260	
sec-Butylbenzene	ND	14	ug/Kg	03/07/14	JLI	SW8260	
Styrene	ND	14	ug/Kg	03/07/14	JLI	SW8260	
tert-Butylbenzene	ND	14	ug/Kg	03/07/14	JLI	SW8260	
Tetrachloroethene	ND	14	ug/Kg	03/07/14	JLI	SW8260	
Tetrahydrofuran (THF)	ND	28	ug/Kg	03/07/14	JLI	SW8260	1
Toluene	ND	14	ug/Kg	03/07/14	JLI	SW8260	
Total Xylenes	ND	14	ug/Kg	03/07/14	JLI	SW8260	
trans-1,2-Dichloroethene	ND	14	ug/Kg	03/07/14	JLI	SW8260	
trans-1,3-Dichloropropene	ND	14	ug/Kg	03/07/14	JLI	SW8260	
trans-1,4-dichloro-2-butene	ND	28	ug/Kg	03/07/14	JLI	SW8260	
Trichloroethene	ND	14	ug/Kg	03/07/14	JLI	SW8260	
Trichlorofluoromethane	ND	14	ug/Kg	03/07/14	JLI	SW8260	
Trichlorotrifluoroethane	ND	14	ug/Kg	03/07/14	JLI	SW8260	
Vinyl chloride	ND	14	ug/Kg	03/07/14	JLI	SW8260	
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	105		%	03/07/14	JLI	70 - 130 %	
% Bromofluorobenzene	101		%	03/07/14	JLI	70 - 130 %	
% Dibromofluoromethane	104		%	03/07/14	JLI	70 - 130 %	
% Toluene-d8	101		%	03/07/14	JLI	70 - 130 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	6400	ug/Kg	03/07/14	DD	SW 8270
1,2,4-Trichlorobenzene	ND	6400	ug/Kg	03/07/14	DD	SW 8270
1,2-Dichlorobenzene	ND	6400	ug/Kg	03/07/14	DD	SW 8270
1,2-Diphenylhydrazine	ND	9100	ug/Kg	03/07/14	DD	SW 8270
1,3-Dichlorobenzene	ND	6400	ug/Kg	03/07/14	DD	SW 8270
1,4-Dichlorobenzene	ND	6400	ug/Kg	03/07/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	6400	ug/Kg	03/07/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	6400	ug/Kg	03/07/14	DD	SW 8270
2,4-Dichlorophenol	ND	6400	ug/Kg	03/07/14	DD	SW 8270
2,4-Dimethylphenol	ND	6400	ug/Kg	03/07/14	DD	SW 8270
2,4-Dinitrophenol	ND	15000	ug/Kg	03/07/14	DD	SW 8270
2,4-Dinitrotoluene	ND	6400	ug/Kg	03/07/14	DD	SW 8270
2,6-Dinitrotoluene	ND	6400	ug/Kg	03/07/14	DD	SW 8270
2-Chloronaphthalene	ND	6400	ug/Kg	03/07/14	DD	SW 8270
2-Chlorophenol	ND	6400	ug/Kg	03/07/14	DD	SW 8270
2-Methylnaphthalene	ND	6400	ug/Kg	03/07/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	6400	ug/Kg	03/07/14	DD	SW 8270
2-Nitroaniline	ND	15000	ug/Kg	03/07/14	DD	SW 8270
2-Nitrophenol	ND	6400	ug/Kg	03/07/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	9100	ug/Kg	03/07/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	6400	ug/Kg	03/07/14	DD	SW 8270
3-Nitroaniline	ND	15000	ug/Kg	03/07/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	26000	ug/Kg	03/07/14	DD	SW 8270
4-Bromophenyl phenyl ether	ND	9100	ug/Kg	03/07/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	6400	ug/Kg	03/07/14	DD	SW 8270
4-Chloroaniline	ND	6400	ug/Kg	03/07/14	DD	SW 8270

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Client ID: SB5 0-2

Phoenix I.D.: BG16438

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
4-Chlorophenyl phenyl ether	ND	6400	ug/Kg	03/07/14	DD	SW 8270	
4-Nitroaniline	ND	15000	ug/Kg	03/07/14	DD	SW 8270	
4-Nitrophenol	ND	26000	ug/Kg	03/07/14	DD	SW 8270	
Acenaphthene	9000	6400	ug/Kg	03/07/14	DD	SW 8270	
Acenaphthylene	ND	6400	ug/Kg	03/07/14	DD	SW 8270	
Acetophenone	ND	6400	ug/Kg	03/07/14	DD	SW 8270	
Aniline	ND	26000	ug/Kg	03/07/14	DD	SW 8270	
Anthracene	19000	6400	ug/Kg	03/07/14	DD	SW 8270	
Benz(a)anthracene	31000	6400	ug/Kg	03/07/14	DD	SW 8270	
Benzidine	ND	11000	ug/Kg	03/07/14	DD	SW 8270	
Benzo(a)pyrene	25000	6400	ug/Kg	03/07/14	DD	SW 8270	
Benzo(b)fluoranthene	31000	6400	ug/Kg	03/07/14	DD	SW 8270	
Benzo(ghi)perylene	15000	6400	ug/Kg	03/07/14	DD	SW 8270	
Benzo(k)fluoranthene	9800	6400	ug/Kg	03/07/14	DD	SW 8270	
Benzoic acid	ND	26000	ug/Kg	03/07/14	DD	SW 8270	1
Benzyl butyl phthalate	ND	6400	ug/Kg	03/07/14	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	6400	ug/Kg	03/07/14	DD	SW 8270	
Bis(2-chloroethyl)ether	ND	9100	ug/Kg	03/07/14	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	6400	ug/Kg	03/07/14	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND	6400	ug/Kg	03/07/14	DD	SW 8270	
Carbazole	ND	14000	ug/Kg	03/07/14	DD	SW 8270	
Chrysene	32000	6400	ug/Kg	03/07/14	DD	SW 8270	
Dibenz(a,h)anthracene	ND	6400	ug/Kg	03/07/14	DD	SW 8270	
Dibenzofuran	7400	6400	ug/Kg	03/07/14	DD	SW 8270	
Diethyl phthalate	ND	6400	ug/Kg	03/07/14	DD	SW 8270	
Dimethylphthalate	ND	6400	ug/Kg	03/07/14	DD	SW 8270	
Di-n-butylphthalate	ND	6400	ug/Kg	03/07/14	DD	SW 8270	
Di-n-octylphthalate	ND	6400	ug/Kg	03/07/14	DD	SW 8270	
Fluoranthene	87000	6400	ug/Kg	03/07/14	DD	SW 8270	
Fluorene	10000	6400	ug/Kg	03/07/14	DD	SW 8270	
Hexachlorobenzene	ND	6400	ug/Kg	03/07/14	DD	SW 8270	
Hexachlorobutadiene	ND	6400	ug/Kg	03/07/14	DD	SW 8270	
Hexachlorocyclopentadiene	ND	6400	ug/Kg	03/07/14	DD	SW 8270	
Hexachloroethane	ND	6400	ug/Kg	03/07/14	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	13000	6400	ug/Kg	03/07/14	DD	SW 8270	
Isophorone	ND	6400	ug/Kg	03/07/14	DD	SW 8270	
Naphthalene	10000	6400	ug/Kg	03/07/14	DD	SW 8270	
Nitrobenzene	ND	6400	ug/Kg	03/07/14	DD	SW 8270	
N-Nitrosodimethylamine	ND	9100	ug/Kg	03/07/14	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	6400	ug/Kg	03/07/14	DD	SW 8270	
N-Nitrosodiphenylamine	ND	9100	ug/Kg	03/07/14	DD	SW 8270	
Pentachloronitrobenzene	ND	9100	ug/Kg	03/07/14	DD	SW 8270	
Pentachlorophenol	ND	9100	ug/Kg	03/07/14	DD	SW 8270	
Phenanthrene	130000	6400	ug/Kg	03/07/14	DD	SW 8270	
Phenol	ND	6400	ug/Kg	03/07/14	DD	SW 8270	
Pyrene	77000	6400	ug/Kg	03/07/14	DD	SW 8270	
Pyridine	ND	9100	ug/Kg	03/07/14	DD	SW 8270	
QA/QC Surrogates							
% 2,4,6-Tribromophenol	*Diluted Out		%	03/07/14	DD	30 - 130 %	

Project ID: 25-11 & 25-17 38TH AVE
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Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
% 2-Fluorobiphenyl	*Diluted Out		%	03/07/14	DD	30 - 130 %
% 2-Fluorophenol	*Diluted Out		%	03/07/14	DD	30 - 130 %
% Nitrobenzene-d5	*Diluted Out		%	03/07/14	DD	30 - 130 %
% Phenol-d5	*Diluted Out		%	03/07/14	DD	30 - 130 %
% Terphenyl-d14	*Diluted Out		%	03/07/14	DD	30 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

Please be advised that the NY unrestricted soil criteria for chromium is based on hexavalent chromium and trivalent chromium.

Semi-Volatile Comment:
Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, a dilution was required resulting in an elevated RL for the semivolatile analysis.

Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, an elevated RL was reported for the pesticide analysis.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
March 13, 2014
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 13, 2014

FOR: Attn: Melissa Pryer
Galli Engineering, P.C.
734 Walt Whitman Rd
Suite 402A
Melville, NY 11747

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	MP	03/05/14	9:00
Location Code:	GALLI-ENG	Received by:	LDA	03/06/14	17:00
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG16438
Phoenix ID: BG16439

Project ID: 25-11 & 25-17 38TH AVE
Client ID: SB5 14-16

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Silver	< 0.35	0.35	mg/Kg	03/07/14	LK	SW6010
Aluminum	8800	52	mg/Kg	03/07/14	LK	SW6010
Arsenic	< 0.7	0.7	mg/Kg	03/07/14	LK	SW6010
Barium	39.9	0.35	mg/Kg	03/07/14	LK	SW6010
Beryllium	0.59	0.28	mg/Kg	03/07/14	LK	SW6010
Calcium	1980	5.2	mg/Kg	03/07/14	LK	SW6010
Cadmium	< 0.35	0.35	mg/Kg	03/07/14	LK	SW6010
Cobalt	5.71	0.35	mg/Kg	03/07/14	LK	SW6010
Chromium	18.5	0.35	mg/Kg	03/07/14	LK	SW6010
Copper	24.8	0.35	mg/kg	03/07/14	LK	SW6010
Iron	13400	52	mg/Kg	03/07/14	LK	SW6010
Mercury	< 0.06	0.06	mg/Kg	03/07/14	RS	SW-7471
Potassium	946	5.2	mg/Kg	03/07/14	LK	SW6010
Magnesium	3830	5.2	mg/Kg	03/07/14	LK	SW6010
Manganese	403	3.5	mg/Kg	03/07/14	LK	SW6010
Sodium	315	5.2	mg/Kg	03/07/14	LK	SW6010
Nickel	16.4	0.35	mg/Kg	03/07/14	LK	SW6010
Lead	8.16	0.35	mg/Kg	03/07/14	LK	SW6010
Antimony	< 3.5	3.5	mg/Kg	03/07/14	LK	SW6010
Selenium	< 1.4	1.4	mg/Kg	03/07/14	LK	SW6010
Thallium	< 3.1	3.1	mg/Kg	03/07/14	LK	SW6010
Vanadium	20.6	0.35	mg/Kg	03/07/14	LK	SW6010
Zinc	36.1	0.35	mg/Kg	03/07/14	LK	SW6010
Percent Solid	94		%	03/06/14	I	E160.3
Total Cyanide	< 0.48	0.48	mg/Kg	03/06/14	O/GD	SW 9010/9012
Soil Extraction for PCB	Completed			03/06/14	BB	SW3545
Soil Extraction for Pesticide	Completed			03/06/14	BB	SW3545
Soil Extraction for SVOA	Completed			03/06/14	BB/FV	SW3545

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Mercury Digestion	Completed			03/07/14	I/I	SW7471	
Total Metals Digest	Completed			03/06/14	CB/AG	SW846 - 3050	
Field Extraction	Completed			03/05/14		SW5035	
Polychlorinated Biphenyls							
PCB-1016	ND	340	ug/Kg	03/07/14	AW	SW 8082	
PCB-1221	ND	340	ug/Kg	03/07/14	AW	SW 8082	
PCB-1232	ND	340	ug/Kg	03/07/14	AW	SW 8082	
PCB-1242	ND	340	ug/Kg	03/07/14	AW	SW 8082	
PCB-1248	ND	340	ug/Kg	03/07/14	AW	SW 8082	
PCB-1254	ND	340	ug/Kg	03/07/14	AW	SW 8082	
PCB-1260	ND	340	ug/Kg	03/07/14	AW	SW 8082	
PCB-1262	ND	340	ug/Kg	03/07/14	AW	SW 8082	
PCB-1268	ND	340	ug/Kg	03/07/14	AW	SW 8082	
QA/QC Surrogates							
% DCBP	118		%	03/07/14	AW	30 - 150 %	
% TCMX	121		%	03/07/14	AW	30 - 150 %	
Pesticides							
4,4' -DDD	ND	6.6	ug/Kg	03/07/14	CE	SW8081	
4,4' -DDE	ND	6.6	ug/Kg	03/07/14	CE	SW8081	
4,4' -DDT	ND	6.6	ug/Kg	03/07/14	CE	SW8081	
a-BHC	ND	3.3	ug/Kg	03/07/14	CE	SW8081	
Alachlor	ND	3.3	ug/Kg	03/07/14	CE	SW8081	1
Aldrin	ND	1.0	ug/Kg	03/07/14	CE	SW8081	
b-BHC	ND	3.3	ug/Kg	03/07/14	CE	SW8081	
Chlordane	ND	10	ug/Kg	03/07/14	CE	SW8081	
d-BHC	ND	3.3	ug/Kg	03/07/14	CE	SW8081	
Dieldrin	ND	1.0	ug/Kg	03/07/14	CE	SW8081	
Endosulfan I	ND	3.3	ug/Kg	03/07/14	CE	SW8081	
Endosulfan II	ND	6.6	ug/Kg	03/07/14	CE	SW8081	
Endosulfan sulfate	ND	6.6	ug/Kg	03/07/14	CE	SW8081	
Endrin	ND	6.6	ug/Kg	03/07/14	CE	SW8081	
Endrin aldehyde	ND	6.6	ug/Kg	03/07/14	CE	SW8081	
Endrin ketone	ND	6.6	ug/Kg	03/07/14	CE	SW8081	
g-BHC	ND	1.0	ug/Kg	03/07/14	CE	SW8081	
Heptachlor	ND	2.1	ug/Kg	03/07/14	CE	SW8081	
Heptachlor epoxide	ND	3.3	ug/Kg	03/07/14	CE	SW8081	
Methoxychlor	ND	33	ug/Kg	03/07/14	CE	SW8081	
Toxaphene	ND	170	ug/Kg	03/07/14	CE	SW8081	
QA/QC Surrogates							
% DCBP	100		%	03/07/14	CE	30 - 150 %	
% TCMX	89		%	03/07/14	CE	30 - 150 %	
Volatiles							
1,1,1,2-Tetrachloroethane	ND	8.7	ug/Kg	03/07/14	JLI	SW8260	
1,1,1-Trichloroethane	ND	8.7	ug/Kg	03/07/14	JLI	SW8260	
1,1,2,2-Tetrachloroethane	ND	5.2	ug/Kg	03/07/14	JLI	SW8260	
1,1,2-Trichloroethane	ND	8.7	ug/Kg	03/07/14	JLI	SW8260	
1,1-Dichloroethane	ND	8.7	ug/Kg	03/07/14	JLI	SW8260	

Project ID: 25-11 & 25-17 38TH AVE
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Phoenix I.D.: BG16439

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
1,1-Dichloroethene	ND	8.7	ug/Kg	03/07/14	JLI	SW8260	
1,1-Dichloropropene	ND	8.7	ug/Kg	03/07/14	JLI	SW8260	
1,2,3-Trichlorobenzene	ND	8.7	ug/Kg	03/07/14	JLI	SW8260	
1,2,3-Trichloropropane	ND	8.7	ug/Kg	03/07/14	JLI	SW8260	
1,2,4-Trichlorobenzene	ND	8.7	ug/Kg	03/07/14	JLI	SW8260	
1,2,4-Trimethylbenzene	ND	8.7	ug/Kg	03/07/14	JLI	SW8260	
1,2-Dibromo-3-chloropropane	ND	8.7	ug/Kg	03/07/14	JLI	SW8260	
1,2-Dibromoethane	ND	8.7	ug/Kg	03/07/14	JLI	SW8260	
1,2-Dichlorobenzene	ND	8.7	ug/Kg	03/07/14	JLI	SW8260	
1,2-Dichloroethane	ND	8.7	ug/Kg	03/07/14	JLI	SW8260	
1,2-Dichloropropane	ND	8.7	ug/Kg	03/07/14	JLI	SW8260	
1,3,5-Trimethylbenzene	ND	8.7	ug/Kg	03/07/14	JLI	SW8260	
1,3-Dichlorobenzene	ND	8.7	ug/Kg	03/07/14	JLI	SW8260	
1,3-Dichloropropane	ND	8.7	ug/Kg	03/07/14	JLI	SW8260	
1,4-Dichlorobenzene	ND	8.7	ug/Kg	03/07/14	JLI	SW8260	
2,2-Dichloropropane	ND	8.7	ug/Kg	03/07/14	JLI	SW8260	
2-Chlorotoluene	ND	8.7	ug/Kg	03/07/14	JLI	SW8260	
2-Hexanone	ND	43	ug/Kg	03/07/14	JLI	SW8260	
2-Isopropyltoluene	ND	8.7	ug/Kg	03/07/14	JLI	SW8260	1
4-Chlorotoluene	ND	8.7	ug/Kg	03/07/14	JLI	SW8260	
4-Methyl-2-pentanone	ND	43	ug/Kg	03/07/14	JLI	SW8260	
Acetone	ND	52	ug/Kg	03/07/14	JLI	SW8260	
Acrylonitrile	ND	8.7	ug/Kg	03/07/14	JLI	SW8260	
Benzene	ND	8.7	ug/Kg	03/07/14	JLI	SW8260	
Bromobenzene	ND	8.7	ug/Kg	03/07/14	JLI	SW8260	
Bromochloromethane	ND	8.7	ug/Kg	03/07/14	JLI	SW8260	
Bromodichloromethane	ND	8.7	ug/Kg	03/07/14	JLI	SW8260	
Bromoform	ND	8.7	ug/Kg	03/07/14	JLI	SW8260	
Bromomethane	ND	8.7	ug/Kg	03/07/14	JLI	SW8260	
Carbon Disulfide	ND	8.7	ug/Kg	03/07/14	JLI	SW8260	
Carbon tetrachloride	ND	8.7	ug/Kg	03/07/14	JLI	SW8260	
Chlorobenzene	ND	8.7	ug/Kg	03/07/14	JLI	SW8260	
Chloroethane	ND	8.7	ug/Kg	03/07/14	JLI	SW8260	
Chloroform	ND	8.7	ug/Kg	03/07/14	JLI	SW8260	
Chloromethane	ND	8.7	ug/Kg	03/07/14	JLI	SW8260	
cis-1,2-Dichloroethene	ND	8.7	ug/Kg	03/07/14	JLI	SW8260	
cis-1,3-Dichloropropene	ND	8.7	ug/Kg	03/07/14	JLI	SW8260	
Dibromochloromethane	ND	5.2	ug/Kg	03/07/14	JLI	SW8260	
Dibromomethane	ND	8.7	ug/Kg	03/07/14	JLI	SW8260	
Dichlorodifluoromethane	ND	8.7	ug/Kg	03/07/14	JLI	SW8260	
Ethylbenzene	ND	8.7	ug/Kg	03/07/14	JLI	SW8260	
Hexachlorobutadiene	ND	8.7	ug/Kg	03/07/14	JLI	SW8260	
Isopropylbenzene	ND	8.7	ug/Kg	03/07/14	JLI	SW8260	
m&p-Xylene	ND	8.7	ug/Kg	03/07/14	JLI	SW8260	
Methyl Ethyl Ketone	ND	52	ug/Kg	03/07/14	JLI	SW8260	
Methyl t-butyl ether (MTBE)	ND	17	ug/Kg	03/07/14	JLI	SW8260	
Methylene chloride	ND	8.7	ug/Kg	03/07/14	JLI	SW8260	
Naphthalene	ND	8.7	ug/Kg	03/07/14	JLI	SW8260	
n-Butylbenzene	ND	8.7	ug/Kg	03/07/14	JLI	SW8260	

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
n-Propylbenzene	ND	8.7	ug/Kg	03/07/14	JLI	SW8260	
o-Xylene	ND	8.7	ug/Kg	03/07/14	JLI	SW8260	
p-Isopropyltoluene	ND	8.7	ug/Kg	03/07/14	JLI	SW8260	
sec-Butylbenzene	ND	8.7	ug/Kg	03/07/14	JLI	SW8260	
Styrene	ND	8.7	ug/Kg	03/07/14	JLI	SW8260	
tert-Butylbenzene	ND	8.7	ug/Kg	03/07/14	JLI	SW8260	
Tetrachloroethene	ND	8.7	ug/Kg	03/07/14	JLI	SW8260	
Tetrahydrofuran (THF)	ND	17	ug/Kg	03/07/14	JLI	SW8260	1
Toluene	ND	8.7	ug/Kg	03/07/14	JLI	SW8260	
Total Xylenes	ND	8.7	ug/Kg	03/07/14	JLI	SW8260	
trans-1,2-Dichloroethene	ND	8.7	ug/Kg	03/07/14	JLI	SW8260	
trans-1,3-Dichloropropene	ND	8.7	ug/Kg	03/07/14	JLI	SW8260	
trans-1,4-dichloro-2-butene	ND	17	ug/Kg	03/07/14	JLI	SW8260	
Trichloroethene	ND	8.7	ug/Kg	03/07/14	JLI	SW8260	
Trichlorofluoromethane	ND	8.7	ug/Kg	03/07/14	JLI	SW8260	
Trichlorotrifluoroethane	ND	8.7	ug/Kg	03/07/14	JLI	SW8260	
Vinyl chloride	ND	8.7	ug/Kg	03/07/14	JLI	SW8260	
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	104		%	03/07/14	JLI	70 - 130 %	
% Bromofluorobenzene	100		%	03/07/14	JLI	70 - 130 %	
% Dibromofluoromethane	102		%	03/07/14	JLI	70 - 130 %	
% Toluene-d8	101		%	03/07/14	JLI	70 - 130 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	240	ug/Kg	03/07/14	DD	SW 8270
1,2,4-Trichlorobenzene	ND	240	ug/Kg	03/07/14	DD	SW 8270
1,2-Dichlorobenzene	ND	240	ug/Kg	03/07/14	DD	SW 8270
1,2-Diphenylhydrazine	ND	350	ug/Kg	03/07/14	DD	SW 8270
1,3-Dichlorobenzene	ND	240	ug/Kg	03/07/14	DD	SW 8270
1,4-Dichlorobenzene	ND	240	ug/Kg	03/07/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	240	ug/Kg	03/07/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	240	ug/Kg	03/07/14	DD	SW 8270
2,4-Dichlorophenol	ND	240	ug/Kg	03/07/14	DD	SW 8270
2,4-Dimethylphenol	ND	240	ug/Kg	03/07/14	DD	SW 8270
2,4-Dinitrophenol	ND	560	ug/Kg	03/07/14	DD	SW 8270
2,4-Dinitrotoluene	ND	240	ug/Kg	03/07/14	DD	SW 8270
2,6-Dinitrotoluene	ND	240	ug/Kg	03/07/14	DD	SW 8270
2-Chloronaphthalene	ND	240	ug/Kg	03/07/14	DD	SW 8270
2-Chlorophenol	ND	240	ug/Kg	03/07/14	DD	SW 8270
2-Methylnaphthalene	ND	240	ug/Kg	03/07/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	240	ug/Kg	03/07/14	DD	SW 8270
2-Nitroaniline	ND	560	ug/Kg	03/07/14	DD	SW 8270
2-Nitrophenol	ND	240	ug/Kg	03/07/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	350	ug/Kg	03/07/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	240	ug/Kg	03/07/14	DD	SW 8270
3-Nitroaniline	ND	560	ug/Kg	03/07/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1000	ug/Kg	03/07/14	DD	SW 8270
4-Bromophenyl phenyl ether	ND	350	ug/Kg	03/07/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	240	ug/Kg	03/07/14	DD	SW 8270
4-Chloroaniline	ND	240	ug/Kg	03/07/14	DD	SW 8270

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Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
4-Chlorophenyl phenyl ether	ND	240	ug/Kg	03/07/14	DD	SW 8270	
4-Nitroaniline	ND	560	ug/Kg	03/07/14	DD	SW 8270	
4-Nitrophenol	ND	1000	ug/Kg	03/07/14	DD	SW 8270	
Acenaphthene	ND	240	ug/Kg	03/07/14	DD	SW 8270	
Acenaphthylene	ND	240	ug/Kg	03/07/14	DD	SW 8270	
Acetophenone	ND	240	ug/Kg	03/07/14	DD	SW 8270	
Aniline	ND	1000	ug/Kg	03/07/14	DD	SW 8270	
Anthracene	ND	240	ug/Kg	03/07/14	DD	SW 8270	
Benz(a)anthracene	ND	240	ug/Kg	03/07/14	DD	SW 8270	
Benzidine	ND	420	ug/Kg	03/07/14	DD	SW 8270	
Benzo(a)pyrene	ND	240	ug/Kg	03/07/14	DD	SW 8270	
Benzo(b)fluoranthene	ND	240	ug/Kg	03/07/14	DD	SW 8270	
Benzo(ghi)perylene	ND	240	ug/Kg	03/07/14	DD	SW 8270	
Benzo(k)fluoranthene	ND	240	ug/Kg	03/07/14	DD	SW 8270	
Benzoic acid	ND	1000	ug/Kg	03/07/14	DD	SW 8270	1
Benzyl butyl phthalate	ND	240	ug/Kg	03/07/14	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	240	ug/Kg	03/07/14	DD	SW 8270	
Bis(2-chloroethyl)ether	ND	350	ug/Kg	03/07/14	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	240	ug/Kg	03/07/14	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND	240	ug/Kg	03/07/14	DD	SW 8270	
Carbazole	ND	520	ug/Kg	03/07/14	DD	SW 8270	
Chrysene	ND	240	ug/Kg	03/07/14	DD	SW 8270	
Dibenz(a,h)anthracene	ND	240	ug/Kg	03/07/14	DD	SW 8270	
Dibenzofuran	ND	240	ug/Kg	03/07/14	DD	SW 8270	
Diethyl phthalate	ND	240	ug/Kg	03/07/14	DD	SW 8270	
Dimethylphthalate	ND	240	ug/Kg	03/07/14	DD	SW 8270	
Di-n-butylphthalate	ND	240	ug/Kg	03/07/14	DD	SW 8270	
Di-n-octylphthalate	ND	240	ug/Kg	03/07/14	DD	SW 8270	
Fluoranthene	ND	240	ug/Kg	03/07/14	DD	SW 8270	
Fluorene	ND	240	ug/Kg	03/07/14	DD	SW 8270	
Hexachlorobenzene	ND	240	ug/Kg	03/07/14	DD	SW 8270	
Hexachlorobutadiene	ND	240	ug/Kg	03/07/14	DD	SW 8270	
Hexachlorocyclopentadiene	ND	240	ug/Kg	03/07/14	DD	SW 8270	
Hexachloroethane	ND	240	ug/Kg	03/07/14	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND	240	ug/Kg	03/07/14	DD	SW 8270	
Isophorone	ND	240	ug/Kg	03/07/14	DD	SW 8270	
Naphthalene	ND	240	ug/Kg	03/07/14	DD	SW 8270	
Nitrobenzene	ND	240	ug/Kg	03/07/14	DD	SW 8270	
N-Nitrosodimethylamine	ND	350	ug/Kg	03/07/14	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	240	ug/Kg	03/07/14	DD	SW 8270	
N-Nitrosodiphenylamine	ND	350	ug/Kg	03/07/14	DD	SW 8270	
Pentachloronitrobenzene	ND	350	ug/Kg	03/07/14	DD	SW 8270	
Pentachlorophenol	ND	350	ug/Kg	03/07/14	DD	SW 8270	
Phenanthrene	ND	240	ug/Kg	03/07/14	DD	SW 8270	
Phenol	ND	240	ug/Kg	03/07/14	DD	SW 8270	
Pyrene	ND	240	ug/Kg	03/07/14	DD	SW 8270	
Pyridine	ND	350	ug/Kg	03/07/14	DD	SW 8270	
QA/QC Surrogates							
% 2,4,6-Tribromophenol	79		%	03/07/14	DD	30 - 130 %	

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Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
% 2-Fluorobiphenyl	66		%	03/07/14	DD	30 - 130 %
% 2-Fluorophenol	64		%	03/07/14	DD	30 - 130 %
% Nitrobenzene-d5	61		%	03/07/14	DD	30 - 130 %
% Phenol-d5	65		%	03/07/14	DD	30 - 130 %
% Terphenyl-d14	66		%	03/07/14	DD	30 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

Please be advised that the NY unrestricted soil criteria for chromium is based on hexavalent chromium and trivalent chromium.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
March 13, 2014
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 13, 2014

FOR: Attn: Melissa Pryer
Galli Engineering, P.C.
734 Walt Whitman Rd
Suite 402A
Melville, NY 11747

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	MP	03/05/14	9:30
Location Code:	GALLI-ENG	Received by:	LDA	03/06/14	17:00
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG16438
Phoenix ID: BG16440

Project ID: 25-11 & 25-17 38TH AVE
Client ID: SB6 0-2

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Silver	< 0.33	0.33	mg/Kg	03/07/14	LK	SW6010	
Aluminum	10200	49	mg/Kg	03/07/14	LK	SW6010	
Arsenic	2.6	0.7	mg/Kg	03/07/14	LK	SW6010	
Barium	34.4	0.33	mg/Kg	03/07/14	LK	SW6010	
Beryllium	0.46	0.26	mg/Kg	03/07/14	LK	SW6010	
Calcium	913	4.9	mg/Kg	03/07/14	LK	SW6010	
Cadmium	< 0.33	0.33	mg/Kg	03/07/14	LK	SW6010	
Cobalt	5.62	0.33	mg/Kg	03/07/14	LK	SW6010	
Chromium	16.6	0.33	mg/Kg	03/07/14	LK	SW6010	
Copper	17.4	0.33	mg/kg	03/07/14	LK	SW6010	
Iron	17200	49	mg/Kg	03/07/14	LK	SW6010	B
Mercury	< 0.09	0.09	mg/Kg	03/07/14	RS	SW-7471	
Potassium	1170	4.9	mg/Kg	03/07/14	LK	SW6010	
Magnesium	2730	4.9	mg/Kg	03/07/14	LK	SW6010	
Manganese	309	3.3	mg/Kg	03/07/14	LK	SW6010	
Sodium	81.8	4.9	mg/Kg	03/07/14	LK	SW6010	
Nickel	15.9	0.33	mg/Kg	03/07/14	LK	SW6010	
Lead	41.0	0.33	mg/Kg	03/07/14	LK	SW6010	
Antimony	< 3.3	3.3	mg/Kg	03/07/14	LK	SW6010	
Selenium	< 1.3	1.3	mg/Kg	03/07/14	LK	SW6010	
Thallium	< 2.9	2.9	mg/Kg	03/07/14	LK	SW6010	
Vanadium	21.8	0.33	mg/Kg	03/07/14	LK	SW6010	
Zinc	146	3.3	mg/Kg	03/07/14	LK	SW6010	B
Percent Solid	92		%	03/06/14	I	E160.3	
Total Cyanide	< 0.49	0.49	mg/Kg	03/06/14	O/GD	SW 9010/9012	
Soil Extraction for PCB	Completed			03/06/14	BB	SW3545	
Soil Extraction for Pesticide	Completed			03/06/14	BB	SW3545	
Soil Extraction for SVOA	Completed			03/06/14	BB/FV	SW3545	

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Mercury Digestion	Completed			03/07/14	I/I	SW7471	
Total Metals Digest	Completed			03/06/14	CB/AG	SW846 - 3050	
Field Extraction	Completed			03/05/14		SW5035	
Polychlorinated Biphenyls							
PCB-1016	ND	350	ug/Kg	03/07/14	AW	SW 8082	
PCB-1221	ND	350	ug/Kg	03/07/14	AW	SW 8082	
PCB-1232	ND	350	ug/Kg	03/07/14	AW	SW 8082	
PCB-1242	ND	350	ug/Kg	03/07/14	AW	SW 8082	
PCB-1248	ND	350	ug/Kg	03/07/14	AW	SW 8082	
PCB-1254	ND	350	ug/Kg	03/07/14	AW	SW 8082	
PCB-1260	ND	350	ug/Kg	03/07/14	AW	SW 8082	
PCB-1262	ND	350	ug/Kg	03/07/14	AW	SW 8082	
PCB-1268	ND	350	ug/Kg	03/07/14	AW	SW 8082	
QA/QC Surrogates							
% DCBP	114		%	03/07/14	AW	30 - 150 %	
% TCMX	98		%	03/07/14	AW	30 - 150 %	
Pesticides							
4,4' -DDD	ND	6.8	ug/Kg	03/07/14	CE	SW8081	
4,4' -DDE	ND	6.8	ug/Kg	03/07/14	CE	SW8081	
4,4' -DDT	ND	6.8	ug/Kg	03/07/14	CE	SW8081	
a-BHC	ND	3.4	ug/Kg	03/07/14	CE	SW8081	
Alachlor	ND	3.4	ug/Kg	03/07/14	CE	SW8081	1
Aldrin	ND	1.0	ug/Kg	03/07/14	CE	SW8081	
b-BHC	ND	3.4	ug/Kg	03/07/14	CE	SW8081	
Chlordane	ND	10	ug/Kg	03/07/14	CE	SW8081	
d-BHC	ND	3.4	ug/Kg	03/07/14	CE	SW8081	
Dieldrin	ND	1.0	ug/Kg	03/07/14	CE	SW8081	
Endosulfan I	ND	3.4	ug/Kg	03/07/14	CE	SW8081	
Endosulfan II	ND	6.8	ug/Kg	03/07/14	CE	SW8081	
Endosulfan sulfate	ND	6.8	ug/Kg	03/07/14	CE	SW8081	
Endrin	ND	6.8	ug/Kg	03/07/14	CE	SW8081	
Endrin aldehyde	ND	6.8	ug/Kg	03/07/14	CE	SW8081	
Endrin ketone	ND	6.8	ug/Kg	03/07/14	CE	SW8081	
g-BHC	ND	1.0	ug/Kg	03/07/14	CE	SW8081	
Heptachlor	ND	2.1	ug/Kg	03/07/14	CE	SW8081	
Heptachlor epoxide	ND	3.4	ug/Kg	03/07/14	CE	SW8081	
Methoxychlor	ND	34	ug/Kg	03/07/14	CE	SW8081	
Toxaphene	ND	180	ug/Kg	03/07/14	CE	SW8081	
QA/QC Surrogates							
% DCBP	103		%	03/07/14	CE	30 - 150 %	
% TCMX	93		%	03/07/14	CE	30 - 150 %	
Volatiles							
1,1,1,2-Tetrachloroethane	ND	14	ug/Kg	03/07/14	JLI	SW8260	
1,1,1-Trichloroethane	ND	14	ug/Kg	03/07/14	JLI	SW8260	
1,1,2,2-Tetrachloroethane	ND	8.1	ug/Kg	03/07/14	JLI	SW8260	
1,1,2-Trichloroethane	ND	14	ug/Kg	03/07/14	JLI	SW8260	
1,1-Dichloroethane	ND	14	ug/Kg	03/07/14	JLI	SW8260	

Project ID: 25-11 & 25-17 38TH AVE
Client ID: SB6 0-2

Phoenix I.D.: BG16440

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
1,1-Dichloroethene	ND	14	ug/Kg	03/07/14	JLI	SW8260	
1,1-Dichloropropene	ND	14	ug/Kg	03/07/14	JLI	SW8260	
1,2,3-Trichlorobenzene	ND	14	ug/Kg	03/07/14	JLI	SW8260	
1,2,3-Trichloropropane	ND	14	ug/Kg	03/07/14	JLI	SW8260	
1,2,4-Trichlorobenzene	ND	14	ug/Kg	03/07/14	JLI	SW8260	
1,2,4-Trimethylbenzene	ND	14	ug/Kg	03/07/14	JLI	SW8260	
1,2-Dibromo-3-chloropropane	ND	14	ug/Kg	03/07/14	JLI	SW8260	
1,2-Dibromoethane	ND	14	ug/Kg	03/07/14	JLI	SW8260	
1,2-Dichlorobenzene	ND	14	ug/Kg	03/07/14	JLI	SW8260	
1,2-Dichloroethane	ND	14	ug/Kg	03/07/14	JLI	SW8260	
1,2-Dichloropropane	ND	14	ug/Kg	03/07/14	JLI	SW8260	
1,3,5-Trimethylbenzene	ND	14	ug/Kg	03/07/14	JLI	SW8260	
1,3-Dichlorobenzene	ND	14	ug/Kg	03/07/14	JLI	SW8260	
1,3-Dichloropropane	ND	14	ug/Kg	03/07/14	JLI	SW8260	
1,4-Dichlorobenzene	ND	14	ug/Kg	03/07/14	JLI	SW8260	
2,2-Dichloropropane	ND	14	ug/Kg	03/07/14	JLI	SW8260	
2-Chlorotoluene	ND	14	ug/Kg	03/07/14	JLI	SW8260	
2-Hexanone	ND	68	ug/Kg	03/07/14	JLI	SW8260	
2-Isopropyltoluene	ND	14	ug/Kg	03/07/14	JLI	SW8260	1
4-Chlorotoluene	ND	14	ug/Kg	03/07/14	JLI	SW8260	
4-Methyl-2-pentanone	ND	68	ug/Kg	03/07/14	JLI	SW8260	
Acetone	ND	81	ug/Kg	03/07/14	JLI	SW8260	
Acrylonitrile	ND	14	ug/Kg	03/07/14	JLI	SW8260	
Benzene	ND	14	ug/Kg	03/07/14	JLI	SW8260	
Bromobenzene	ND	14	ug/Kg	03/07/14	JLI	SW8260	
Bromochloromethane	ND	14	ug/Kg	03/07/14	JLI	SW8260	
Bromodichloromethane	ND	14	ug/Kg	03/07/14	JLI	SW8260	
Bromoform	ND	14	ug/Kg	03/07/14	JLI	SW8260	
Bromomethane	ND	14	ug/Kg	03/07/14	JLI	SW8260	
Carbon Disulfide	ND	14	ug/Kg	03/07/14	JLI	SW8260	
Carbon tetrachloride	ND	14	ug/Kg	03/07/14	JLI	SW8260	
Chlorobenzene	ND	14	ug/Kg	03/07/14	JLI	SW8260	
Chloroethane	ND	14	ug/Kg	03/07/14	JLI	SW8260	
Chloroform	ND	14	ug/Kg	03/07/14	JLI	SW8260	
Chloromethane	ND	14	ug/Kg	03/07/14	JLI	SW8260	
cis-1,2-Dichloroethene	ND	14	ug/Kg	03/07/14	JLI	SW8260	
cis-1,3-Dichloropropene	ND	14	ug/Kg	03/07/14	JLI	SW8260	
Dibromochloromethane	ND	8.1	ug/Kg	03/07/14	JLI	SW8260	
Dibromomethane	ND	14	ug/Kg	03/07/14	JLI	SW8260	
Dichlorodifluoromethane	ND	14	ug/Kg	03/07/14	JLI	SW8260	
Ethylbenzene	ND	14	ug/Kg	03/07/14	JLI	SW8260	
Hexachlorobutadiene	ND	14	ug/Kg	03/07/14	JLI	SW8260	
Isopropylbenzene	ND	14	ug/Kg	03/07/14	JLI	SW8260	
m&p-Xylene	ND	14	ug/Kg	03/07/14	JLI	SW8260	
Methyl Ethyl Ketone	ND	81	ug/Kg	03/07/14	JLI	SW8260	
Methyl t-butyl ether (MTBE)	ND	27	ug/Kg	03/07/14	JLI	SW8260	
Methylene chloride	ND	14	ug/Kg	03/07/14	JLI	SW8260	
Naphthalene	ND	14	ug/Kg	03/07/14	JLI	SW8260	
n-Butylbenzene	ND	14	ug/Kg	03/07/14	JLI	SW8260	

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
n-Propylbenzene	ND	14	ug/Kg	03/07/14	JLI	SW8260	
o-Xylene	ND	14	ug/Kg	03/07/14	JLI	SW8260	
p-Isopropyltoluene	ND	14	ug/Kg	03/07/14	JLI	SW8260	
sec-Butylbenzene	ND	14	ug/Kg	03/07/14	JLI	SW8260	
Styrene	ND	14	ug/Kg	03/07/14	JLI	SW8260	
tert-Butylbenzene	ND	14	ug/Kg	03/07/14	JLI	SW8260	
Tetrachloroethene	ND	14	ug/Kg	03/07/14	JLI	SW8260	
Tetrahydrofuran (THF)	ND	27	ug/Kg	03/07/14	JLI	SW8260	1
Toluene	ND	14	ug/Kg	03/07/14	JLI	SW8260	
Total Xylenes	ND	14	ug/Kg	03/07/14	JLI	SW8260	
trans-1,2-Dichloroethene	ND	14	ug/Kg	03/07/14	JLI	SW8260	
trans-1,3-Dichloropropene	ND	14	ug/Kg	03/07/14	JLI	SW8260	
trans-1,4-dichloro-2-butene	ND	27	ug/Kg	03/07/14	JLI	SW8260	
Trichloroethene	ND	14	ug/Kg	03/07/14	JLI	SW8260	
Trichlorofluoromethane	ND	14	ug/Kg	03/07/14	JLI	SW8260	
Trichlorotrifluoroethane	ND	14	ug/Kg	03/07/14	JLI	SW8260	
Vinyl chloride	ND	14	ug/Kg	03/07/14	JLI	SW8260	
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	104		%	03/07/14	JLI	70 - 130 %	
% Bromofluorobenzene	101		%	03/07/14	JLI	70 - 130 %	
% Dibromofluoromethane	99		%	03/07/14	JLI	70 - 130 %	
% Toluene-d8	100		%	03/07/14	JLI	70 - 130 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	250	ug/Kg	03/07/14	DD	SW 8270
1,2,4-Trichlorobenzene	ND	250	ug/Kg	03/07/14	DD	SW 8270
1,2-Dichlorobenzene	ND	250	ug/Kg	03/07/14	DD	SW 8270
1,2-Diphenylhydrazine	ND	360	ug/Kg	03/07/14	DD	SW 8270
1,3-Dichlorobenzene	ND	250	ug/Kg	03/07/14	DD	SW 8270
1,4-Dichlorobenzene	ND	250	ug/Kg	03/07/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	250	ug/Kg	03/07/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	250	ug/Kg	03/07/14	DD	SW 8270
2,4-Dichlorophenol	ND	250	ug/Kg	03/07/14	DD	SW 8270
2,4-Dimethylphenol	ND	250	ug/Kg	03/07/14	DD	SW 8270
2,4-Dinitrophenol	ND	570	ug/Kg	03/07/14	DD	SW 8270
2,4-Dinitrotoluene	ND	250	ug/Kg	03/07/14	DD	SW 8270
2,6-Dinitrotoluene	ND	250	ug/Kg	03/07/14	DD	SW 8270
2-Chloronaphthalene	ND	250	ug/Kg	03/07/14	DD	SW 8270
2-Chlorophenol	ND	250	ug/Kg	03/07/14	DD	SW 8270
2-Methylnaphthalene	ND	250	ug/Kg	03/07/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	250	ug/Kg	03/07/14	DD	SW 8270
2-Nitroaniline	ND	570	ug/Kg	03/07/14	DD	SW 8270
2-Nitrophenol	ND	250	ug/Kg	03/07/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	360	ug/Kg	03/07/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	250	ug/Kg	03/07/14	DD	SW 8270
3-Nitroaniline	ND	570	ug/Kg	03/07/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1000	ug/Kg	03/07/14	DD	SW 8270
4-Bromophenyl phenyl ether	ND	360	ug/Kg	03/07/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	250	ug/Kg	03/07/14	DD	SW 8270
4-Chloroaniline	ND	250	ug/Kg	03/07/14	DD	SW 8270

Project ID: 25-11 & 25-17 38TH AVE
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Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
4-Chlorophenyl phenyl ether	ND	250	ug/Kg	03/07/14	DD	SW 8270	
4-Nitroaniline	ND	570	ug/Kg	03/07/14	DD	SW 8270	
4-Nitrophenol	ND	1000	ug/Kg	03/07/14	DD	SW 8270	
Acenaphthene	ND	250	ug/Kg	03/07/14	DD	SW 8270	
Acenaphthylene	ND	250	ug/Kg	03/07/14	DD	SW 8270	
Acetophenone	ND	250	ug/Kg	03/07/14	DD	SW 8270	
Aniline	ND	1000	ug/Kg	03/07/14	DD	SW 8270	
Anthracene	ND	250	ug/Kg	03/07/14	DD	SW 8270	
Benz(a)anthracene	ND	250	ug/Kg	03/07/14	DD	SW 8270	
Benzidine	ND	430	ug/Kg	03/07/14	DD	SW 8270	
Benzo(a)pyrene	ND	250	ug/Kg	03/07/14	DD	SW 8270	
Benzo(b)fluoranthene	ND	250	ug/Kg	03/07/14	DD	SW 8270	
Benzo(ghi)perylene	ND	250	ug/Kg	03/07/14	DD	SW 8270	
Benzo(k)fluoranthene	ND	250	ug/Kg	03/07/14	DD	SW 8270	
Benzoic acid	ND	1000	ug/Kg	03/07/14	DD	SW 8270	1
Benzyl butyl phthalate	ND	250	ug/Kg	03/07/14	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	250	ug/Kg	03/07/14	DD	SW 8270	
Bis(2-chloroethyl)ether	ND	360	ug/Kg	03/07/14	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	250	ug/Kg	03/07/14	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND	250	ug/Kg	03/07/14	DD	SW 8270	
Carbazole	ND	540	ug/Kg	03/07/14	DD	SW 8270	
Chrysene	ND	250	ug/Kg	03/07/14	DD	SW 8270	
Dibenz(a,h)anthracene	ND	250	ug/Kg	03/07/14	DD	SW 8270	
Dibenzofuran	ND	250	ug/Kg	03/07/14	DD	SW 8270	
Diethyl phthalate	ND	250	ug/Kg	03/07/14	DD	SW 8270	
Dimethylphthalate	ND	250	ug/Kg	03/07/14	DD	SW 8270	
Di-n-butylphthalate	ND	250	ug/Kg	03/07/14	DD	SW 8270	
Di-n-octylphthalate	ND	250	ug/Kg	03/07/14	DD	SW 8270	
Fluoranthene	ND	250	ug/Kg	03/07/14	DD	SW 8270	
Fluorene	ND	250	ug/Kg	03/07/14	DD	SW 8270	
Hexachlorobenzene	ND	250	ug/Kg	03/07/14	DD	SW 8270	
Hexachlorobutadiene	ND	250	ug/Kg	03/07/14	DD	SW 8270	
Hexachlorocyclopentadiene	ND	250	ug/Kg	03/07/14	DD	SW 8270	
Hexachloroethane	ND	250	ug/Kg	03/07/14	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND	250	ug/Kg	03/07/14	DD	SW 8270	
Isophorone	ND	250	ug/Kg	03/07/14	DD	SW 8270	
Naphthalene	ND	250	ug/Kg	03/07/14	DD	SW 8270	
Nitrobenzene	ND	250	ug/Kg	03/07/14	DD	SW 8270	
N-Nitrosodimethylamine	ND	360	ug/Kg	03/07/14	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	250	ug/Kg	03/07/14	DD	SW 8270	
N-Nitrosodiphenylamine	ND	360	ug/Kg	03/07/14	DD	SW 8270	
Pentachloronitrobenzene	ND	360	ug/Kg	03/07/14	DD	SW 8270	
Pentachlorophenol	ND	360	ug/Kg	03/07/14	DD	SW 8270	
Phenanthrene	ND	250	ug/Kg	03/07/14	DD	SW 8270	
Phenol	ND	250	ug/Kg	03/07/14	DD	SW 8270	
Pyrene	ND	250	ug/Kg	03/07/14	DD	SW 8270	
Pyridine	ND	360	ug/Kg	03/07/14	DD	SW 8270	
QA/QC Surrogates							
% 2,4,6-Tribromophenol	80		%	03/07/14	DD	30 - 130 %	

Project ID: 25-11 & 25-17 38TH AVE
Client ID: SB6 0-2

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Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
% 2-Fluorobiphenyl	69		%	03/07/14	DD	30 - 130 %
% 2-Fluorophenol	65		%	03/07/14	DD	30 - 130 %
% Nitrobenzene-d5	61		%	03/07/14	DD	30 - 130 %
% Phenol-d5	66		%	03/07/14	DD	30 - 130 %
% Terphenyl-d14	66		%	03/07/14	DD	30 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

Please be advised that the NY unrestricted soil criteria for chromium is based on hexavalent chromium and trivalent chromium.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
March 13, 2014
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 13, 2014

FOR: Attn: Melissa Pryer
Galli Engineering, P.C.
734 Walt Whitman Rd
Suite 402A
Melville, NY 11747

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	MP	03/05/14	10:00
Location Code:	GALLI-ENG	Received by:	LDA	03/06/14	17:00
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG16438
Phoenix ID: BG16441

Project ID: 25-11 & 25-17 38TH AVE
Client ID: SB6 14-16

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Silver	< 0.37	0.37	mg/Kg	03/07/14	LK	SW6010	
Aluminum	5510	56	mg/Kg	03/07/14	LK	SW6010	
Arsenic	< 0.7	0.7	mg/Kg	03/07/14	LK	SW6010	
Barium	30.8	0.37	mg/Kg	03/07/14	LK	SW6010	
Beryllium	< 0.30	0.30	mg/Kg	03/07/14	LK	SW6010	
Calcium	1950	5.6	mg/Kg	03/07/14	LK	SW6010	
Cadmium	< 0.37	0.37	mg/Kg	03/07/14	LK	SW6010	
Cobalt	4.78	0.37	mg/Kg	03/07/14	LK	SW6010	
Chromium	12.1	0.37	mg/Kg	03/07/14	LK	SW6010	
Copper	13.2	0.37	mg/kg	03/07/14	LK	SW6010	
Iron	11200	56	mg/Kg	03/07/14	LK	SW6010	B
Mercury	< 0.08	0.08	mg/Kg	03/07/14	RS	SW-7471	
Potassium	1100	5.6	mg/Kg	03/07/14	LK	SW6010	
Magnesium	2790	5.6	mg/Kg	03/07/14	LK	SW6010	
Manganese	344	3.7	mg/Kg	03/07/14	LK	SW6010	
Sodium	196	5.6	mg/Kg	03/07/14	LK	SW6010	
Nickel	12.9	0.37	mg/Kg	03/07/14	LK	SW6010	
Lead	3.50	0.37	mg/Kg	03/07/14	LK	SW6010	
Antimony	< 3.7	3.7	mg/Kg	03/07/14	LK	SW6010	
Selenium	< 1.5	1.5	mg/Kg	03/07/14	LK	SW6010	
Thallium	< 3.3	3.3	mg/Kg	03/07/14	LK	SW6010	
Vanadium	16.8	0.37	mg/Kg	03/07/14	LK	SW6010	
Zinc	19.8	0.37	mg/Kg	03/07/14	LK	SW6010	B
Percent Solid	91		%	03/06/14	I	E160.3	
Total Cyanide	< 0.55	0.55	mg/Kg	03/06/14	O/GD	SW 9010/9012	
Soil Extraction for PCB	Completed			03/06/14	BB	SW3545	
Soil Extraction for Pesticide	Completed			03/06/14	BB	SW3545	
Soil Extraction for SVOA	Completed			03/06/14	BB/FV	SW3545	

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Mercury Digestion	Completed			03/07/14	I/I	SW7471	
Total Metals Digest	Completed			03/06/14	CB/AG	SW846 - 3050	
Field Extraction	Completed			03/05/14		SW5035	
Polychlorinated Biphenyls							
PCB-1016	ND	360	ug/Kg	03/07/14	AW	SW 8082	
PCB-1221	ND	360	ug/Kg	03/07/14	AW	SW 8082	
PCB-1232	ND	360	ug/Kg	03/07/14	AW	SW 8082	
PCB-1242	ND	360	ug/Kg	03/07/14	AW	SW 8082	
PCB-1248	ND	360	ug/Kg	03/07/14	AW	SW 8082	
PCB-1254	ND	360	ug/Kg	03/07/14	AW	SW 8082	
PCB-1260	ND	360	ug/Kg	03/07/14	AW	SW 8082	
PCB-1262	ND	360	ug/Kg	03/07/14	AW	SW 8082	
PCB-1268	ND	360	ug/Kg	03/07/14	AW	SW 8082	
QA/QC Surrogates							
% DCBP	111		%	03/07/14	AW	30 - 150 %	
% TCMX	101		%	03/07/14	AW	30 - 150 %	
Pesticides							
4,4' -DDD	ND	6.8	ug/Kg	03/07/14	CE	SW8081	
4,4' -DDE	ND	6.8	ug/Kg	03/07/14	CE	SW8081	
4,4' -DDT	ND	6.8	ug/Kg	03/07/14	CE	SW8081	
a-BHC	ND	3.4	ug/Kg	03/07/14	CE	SW8081	
Alachlor	ND	3.4	ug/Kg	03/07/14	CE	SW8081	1
Aldrin	ND	1.1	ug/Kg	03/07/14	CE	SW8081	
b-BHC	ND	3.4	ug/Kg	03/07/14	CE	SW8081	
Chlordane	ND	11	ug/Kg	03/07/14	CE	SW8081	
d-BHC	ND	3.4	ug/Kg	03/07/14	CE	SW8081	
Dieldrin	ND	1.1	ug/Kg	03/07/14	CE	SW8081	
Endosulfan I	ND	3.4	ug/Kg	03/07/14	CE	SW8081	
Endosulfan II	ND	6.8	ug/Kg	03/07/14	CE	SW8081	
Endosulfan sulfate	ND	6.8	ug/Kg	03/07/14	CE	SW8081	
Endrin	ND	6.8	ug/Kg	03/07/14	CE	SW8081	
Endrin aldehyde	ND	6.8	ug/Kg	03/07/14	CE	SW8081	
Endrin ketone	ND	6.8	ug/Kg	03/07/14	CE	SW8081	
g-BHC	ND	1.1	ug/Kg	03/07/14	CE	SW8081	
Heptachlor	ND	2.1	ug/Kg	03/07/14	CE	SW8081	
Heptachlor epoxide	ND	3.4	ug/Kg	03/07/14	CE	SW8081	
Methoxychlor	ND	34	ug/Kg	03/07/14	CE	SW8081	
Toxaphene	ND	180	ug/Kg	03/07/14	CE	SW8081	
QA/QC Surrogates							
% DCBP	103		%	03/07/14	CE	30 - 150 %	
% TCMX	92		%	03/07/14	CE	30 - 150 %	
Volatiles							
1,1,1,2-Tetrachloroethane	ND	10	ug/Kg	03/07/14	JLI	SW8260	
1,1,1-Trichloroethane	ND	10	ug/Kg	03/07/14	JLI	SW8260	
1,1,2,2-Tetrachloroethane	ND	6.3	ug/Kg	03/07/14	JLI	SW8260	
1,1,2-Trichloroethane	ND	10	ug/Kg	03/07/14	JLI	SW8260	
1,1-Dichloroethane	ND	10	ug/Kg	03/07/14	JLI	SW8260	

Project ID: 25-11 & 25-17 38TH AVE
Client ID: SB6 14-16

Phoenix I.D.: BG16441

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
1,1-Dichloroethene	ND	10	ug/Kg	03/07/14	JLI	SW8260	
1,1-Dichloropropene	ND	10	ug/Kg	03/07/14	JLI	SW8260	
1,2,3-Trichlorobenzene	ND	10	ug/Kg	03/07/14	JLI	SW8260	
1,2,3-Trichloropropane	ND	10	ug/Kg	03/07/14	JLI	SW8260	
1,2,4-Trichlorobenzene	ND	10	ug/Kg	03/07/14	JLI	SW8260	
1,2,4-Trimethylbenzene	ND	10	ug/Kg	03/07/14	JLI	SW8260	
1,2-Dibromo-3-chloropropane	ND	10	ug/Kg	03/07/14	JLI	SW8260	
1,2-Dibromoethane	ND	10	ug/Kg	03/07/14	JLI	SW8260	
1,2-Dichlorobenzene	ND	10	ug/Kg	03/07/14	JLI	SW8260	
1,2-Dichloroethane	ND	10	ug/Kg	03/07/14	JLI	SW8260	
1,2-Dichloropropane	ND	10	ug/Kg	03/07/14	JLI	SW8260	
1,3,5-Trimethylbenzene	ND	10	ug/Kg	03/07/14	JLI	SW8260	
1,3-Dichlorobenzene	ND	10	ug/Kg	03/07/14	JLI	SW8260	
1,3-Dichloropropane	ND	10	ug/Kg	03/07/14	JLI	SW8260	
1,4-Dichlorobenzene	ND	10	ug/Kg	03/07/14	JLI	SW8260	
2,2-Dichloropropane	ND	10	ug/Kg	03/07/14	JLI	SW8260	
2-Chlorotoluene	ND	10	ug/Kg	03/07/14	JLI	SW8260	
2-Hexanone	ND	52	ug/Kg	03/07/14	JLI	SW8260	
2-Isopropyltoluene	ND	10	ug/Kg	03/07/14	JLI	SW8260	1
4-Chlorotoluene	ND	10	ug/Kg	03/07/14	JLI	SW8260	
4-Methyl-2-pentanone	ND	52	ug/Kg	03/07/14	JLI	SW8260	
Acetone	ND	63	ug/Kg	03/07/14	JLI	SW8260	
Acrylonitrile	ND	10	ug/Kg	03/07/14	JLI	SW8260	
Benzene	ND	10	ug/Kg	03/07/14	JLI	SW8260	
Bromobenzene	ND	10	ug/Kg	03/07/14	JLI	SW8260	
Bromochloromethane	ND	10	ug/Kg	03/07/14	JLI	SW8260	
Bromodichloromethane	ND	10	ug/Kg	03/07/14	JLI	SW8260	
Bromoform	ND	10	ug/Kg	03/07/14	JLI	SW8260	
Bromomethane	ND	10	ug/Kg	03/07/14	JLI	SW8260	
Carbon Disulfide	ND	10	ug/Kg	03/07/14	JLI	SW8260	
Carbon tetrachloride	ND	10	ug/Kg	03/07/14	JLI	SW8260	
Chlorobenzene	ND	10	ug/Kg	03/07/14	JLI	SW8260	
Chloroethane	ND	10	ug/Kg	03/07/14	JLI	SW8260	
Chloroform	ND	10	ug/Kg	03/07/14	JLI	SW8260	
Chloromethane	ND	10	ug/Kg	03/07/14	JLI	SW8260	
cis-1,2-Dichloroethene	ND	10	ug/Kg	03/07/14	JLI	SW8260	
cis-1,3-Dichloropropene	ND	10	ug/Kg	03/07/14	JLI	SW8260	
Dibromochloromethane	ND	6.3	ug/Kg	03/07/14	JLI	SW8260	
Dibromomethane	ND	10	ug/Kg	03/07/14	JLI	SW8260	
Dichlorodifluoromethane	ND	10	ug/Kg	03/07/14	JLI	SW8260	
Ethylbenzene	ND	10	ug/Kg	03/07/14	JLI	SW8260	
Hexachlorobutadiene	ND	10	ug/Kg	03/07/14	JLI	SW8260	
Isopropylbenzene	ND	10	ug/Kg	03/07/14	JLI	SW8260	
m&p-Xylene	ND	10	ug/Kg	03/07/14	JLI	SW8260	
Methyl Ethyl Ketone	ND	63	ug/Kg	03/07/14	JLI	SW8260	
Methyl t-butyl ether (MTBE)	ND	21	ug/Kg	03/07/14	JLI	SW8260	
Methylene chloride	ND	10	ug/Kg	03/07/14	JLI	SW8260	
Naphthalene	ND	10	ug/Kg	03/07/14	JLI	SW8260	
n-Butylbenzene	ND	10	ug/Kg	03/07/14	JLI	SW8260	

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
n-Propylbenzene	ND	10	ug/Kg	03/07/14	JLI	SW8260	
o-Xylene	ND	10	ug/Kg	03/07/14	JLI	SW8260	
p-Isopropyltoluene	ND	10	ug/Kg	03/07/14	JLI	SW8260	
sec-Butylbenzene	ND	10	ug/Kg	03/07/14	JLI	SW8260	
Styrene	ND	10	ug/Kg	03/07/14	JLI	SW8260	
tert-Butylbenzene	ND	10	ug/Kg	03/07/14	JLI	SW8260	
Tetrachloroethene	ND	10	ug/Kg	03/07/14	JLI	SW8260	
Tetrahydrofuran (THF)	ND	21	ug/Kg	03/07/14	JLI	SW8260	1
Toluene	ND	10	ug/Kg	03/07/14	JLI	SW8260	
Total Xylenes	ND	10	ug/Kg	03/07/14	JLI	SW8260	
trans-1,2-Dichloroethene	ND	10	ug/Kg	03/07/14	JLI	SW8260	
trans-1,3-Dichloropropene	ND	10	ug/Kg	03/07/14	JLI	SW8260	
trans-1,4-dichloro-2-butene	ND	21	ug/Kg	03/07/14	JLI	SW8260	
Trichloroethene	ND	10	ug/Kg	03/07/14	JLI	SW8260	
Trichlorofluoromethane	ND	10	ug/Kg	03/07/14	JLI	SW8260	
Trichlorotrifluoroethane	ND	10	ug/Kg	03/07/14	JLI	SW8260	
Vinyl chloride	ND	10	ug/Kg	03/07/14	JLI	SW8260	
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	102		%	03/07/14	JLI	70 - 130 %	
% Bromofluorobenzene	101		%	03/07/14	JLI	70 - 130 %	
% Dibromofluoromethane	103		%	03/07/14	JLI	70 - 130 %	
% Toluene-d8	103		%	03/07/14	JLI	70 - 130 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	250	ug/Kg	03/07/14	DD	SW 8270
1,2,4-Trichlorobenzene	ND	250	ug/Kg	03/07/14	DD	SW 8270
1,2-Dichlorobenzene	ND	250	ug/Kg	03/07/14	DD	SW 8270
1,2-Diphenylhydrazine	ND	360	ug/Kg	03/07/14	DD	SW 8270
1,3-Dichlorobenzene	ND	250	ug/Kg	03/07/14	DD	SW 8270
1,4-Dichlorobenzene	ND	250	ug/Kg	03/07/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	250	ug/Kg	03/07/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	250	ug/Kg	03/07/14	DD	SW 8270
2,4-Dichlorophenol	ND	250	ug/Kg	03/07/14	DD	SW 8270
2,4-Dimethylphenol	ND	250	ug/Kg	03/07/14	DD	SW 8270
2,4-Dinitrophenol	ND	580	ug/Kg	03/07/14	DD	SW 8270
2,4-Dinitrotoluene	ND	250	ug/Kg	03/07/14	DD	SW 8270
2,6-Dinitrotoluene	ND	250	ug/Kg	03/07/14	DD	SW 8270
2-Chloronaphthalene	ND	250	ug/Kg	03/07/14	DD	SW 8270
2-Chlorophenol	ND	250	ug/Kg	03/07/14	DD	SW 8270
2-Methylnaphthalene	ND	250	ug/Kg	03/07/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	250	ug/Kg	03/07/14	DD	SW 8270
2-Nitroaniline	ND	580	ug/Kg	03/07/14	DD	SW 8270
2-Nitrophenol	ND	250	ug/Kg	03/07/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	360	ug/Kg	03/07/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	250	ug/Kg	03/07/14	DD	SW 8270
3-Nitroaniline	ND	580	ug/Kg	03/07/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1100	ug/Kg	03/07/14	DD	SW 8270
4-Bromophenyl phenyl ether	ND	360	ug/Kg	03/07/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	250	ug/Kg	03/07/14	DD	SW 8270
4-Chloroaniline	ND	250	ug/Kg	03/07/14	DD	SW 8270

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
4-Chlorophenyl phenyl ether	ND	250	ug/Kg	03/07/14	DD	SW 8270	
4-Nitroaniline	ND	580	ug/Kg	03/07/14	DD	SW 8270	
4-Nitrophenol	ND	1100	ug/Kg	03/07/14	DD	SW 8270	
Acenaphthene	ND	250	ug/Kg	03/07/14	DD	SW 8270	
Acenaphthylene	ND	250	ug/Kg	03/07/14	DD	SW 8270	
Acetophenone	ND	250	ug/Kg	03/07/14	DD	SW 8270	
Aniline	ND	1100	ug/Kg	03/07/14	DD	SW 8270	
Anthracene	ND	250	ug/Kg	03/07/14	DD	SW 8270	
Benz(a)anthracene	ND	250	ug/Kg	03/07/14	DD	SW 8270	
Benzidine	ND	440	ug/Kg	03/07/14	DD	SW 8270	
Benzo(a)pyrene	ND	250	ug/Kg	03/07/14	DD	SW 8270	
Benzo(b)fluoranthene	ND	250	ug/Kg	03/07/14	DD	SW 8270	
Benzo(ghi)perylene	ND	250	ug/Kg	03/07/14	DD	SW 8270	
Benzo(k)fluoranthene	ND	250	ug/Kg	03/07/14	DD	SW 8270	
Benzoic acid	ND	1100	ug/Kg	03/07/14	DD	SW 8270	1
Benzyl butyl phthalate	ND	250	ug/Kg	03/07/14	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	250	ug/Kg	03/07/14	DD	SW 8270	
Bis(2-chloroethyl)ether	ND	360	ug/Kg	03/07/14	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	250	ug/Kg	03/07/14	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND	250	ug/Kg	03/07/14	DD	SW 8270	
Carbazole	ND	540	ug/Kg	03/07/14	DD	SW 8270	
Chrysene	ND	250	ug/Kg	03/07/14	DD	SW 8270	
Dibenz(a,h)anthracene	ND	250	ug/Kg	03/07/14	DD	SW 8270	
Dibenzofuran	ND	250	ug/Kg	03/07/14	DD	SW 8270	
Diethyl phthalate	ND	250	ug/Kg	03/07/14	DD	SW 8270	
Dimethylphthalate	ND	250	ug/Kg	03/07/14	DD	SW 8270	
Di-n-butylphthalate	ND	250	ug/Kg	03/07/14	DD	SW 8270	
Di-n-octylphthalate	ND	250	ug/Kg	03/07/14	DD	SW 8270	
Fluoranthene	ND	250	ug/Kg	03/07/14	DD	SW 8270	
Fluorene	ND	250	ug/Kg	03/07/14	DD	SW 8270	
Hexachlorobenzene	ND	250	ug/Kg	03/07/14	DD	SW 8270	
Hexachlorobutadiene	ND	250	ug/Kg	03/07/14	DD	SW 8270	
Hexachlorocyclopentadiene	ND	250	ug/Kg	03/07/14	DD	SW 8270	
Hexachloroethane	ND	250	ug/Kg	03/07/14	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND	250	ug/Kg	03/07/14	DD	SW 8270	
Isophorone	ND	250	ug/Kg	03/07/14	DD	SW 8270	
Naphthalene	ND	250	ug/Kg	03/07/14	DD	SW 8270	
Nitrobenzene	ND	250	ug/Kg	03/07/14	DD	SW 8270	
N-Nitrosodimethylamine	ND	360	ug/Kg	03/07/14	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	250	ug/Kg	03/07/14	DD	SW 8270	
N-Nitrosodiphenylamine	ND	360	ug/Kg	03/07/14	DD	SW 8270	
Pentachloronitrobenzene	ND	360	ug/Kg	03/07/14	DD	SW 8270	
Pentachlorophenol	ND	360	ug/Kg	03/07/14	DD	SW 8270	
Phenanthrene	ND	250	ug/Kg	03/07/14	DD	SW 8270	
Phenol	ND	250	ug/Kg	03/07/14	DD	SW 8270	
Pyrene	ND	250	ug/Kg	03/07/14	DD	SW 8270	
Pyridine	ND	360	ug/Kg	03/07/14	DD	SW 8270	
QA/QC Surrogates							
% 2,4,6-Tribromophenol	68		%	03/07/14	DD	30 - 130 %	

Project ID: 25-11 & 25-17 38TH AVE
Client ID: SB6 14-16

Phoenix I.D.: BG16441

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
% 2-Fluorobiphenyl	62		%	03/07/14	DD	30 - 130 %
% 2-Fluorophenol	60		%	03/07/14	DD	30 - 130 %
% Nitrobenzene-d5	58		%	03/07/14	DD	30 - 130 %
% Phenol-d5	61		%	03/07/14	DD	30 - 130 %
% Terphenyl-d14	76		%	03/07/14	DD	30 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

Please be advised that the NY unrestricted soil criteria for chromium is based on hexavalent chromium and trivalent chromium.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
March 13, 2014
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 13, 2014

FOR: Attn: Melissa Pryer
Galli Engineering, P.C.
734 Walt Whitman Rd
Suite 402A
Melville, NY 11747

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	MP	03/05/14	10:30
Location Code:	GALLI-ENG	Received by:	LDA	03/06/14	17:00
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG16438
Phoenix ID: BG16442

Project ID: 25-11 & 25-17 38TH AVE
Client ID: SB7 0-2

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Silver	< 0.34	0.34	mg/Kg	03/07/14	LK	SW6010	
Aluminum	10800	51	mg/Kg	03/07/14	LK	SW6010	
Arsenic	2.8	0.7	mg/Kg	03/07/14	LK	SW6010	
Barium	240	0.34	mg/Kg	03/07/14	LK	SW6010	
Beryllium	0.38	0.27	mg/Kg	03/07/14	LK	SW6010	
Calcium	28400	51	mg/Kg	03/07/14	LK	SW6010	
Cadmium	0.61	0.34	mg/Kg	03/07/14	LK	SW6010	
Cobalt	6.38	0.34	mg/Kg	03/07/14	LK	SW6010	
Chromium	29.4	0.34	mg/Kg	03/07/14	LK	SW6010	
Copper	38.5	0.34	mg/kg	03/07/14	LK	SW6010	
Iron	20200	51	mg/Kg	03/07/14	LK	SW6010	B
Mercury	0.41	0.08	mg/Kg	03/07/14	RS	SW-7471	
Potassium	2470	5.1	mg/Kg	03/07/14	LK	SW6010	
Magnesium	6870	51	mg/Kg	03/07/14	LK	SW6010	
Manganese	342	3.4	mg/Kg	03/07/14	LK	SW6010	
Sodium	363	5.1	mg/Kg	03/07/14	LK	SW6010	
Nickel	20.9	0.34	mg/Kg	03/07/14	LK	SW6010	
Lead	263	3.4	mg/Kg	03/07/14	LK	SW6010	
Antimony	< 3.4	3.4	mg/Kg	03/07/14	LK	SW6010	
Selenium	< 1.4	1.4	mg/Kg	03/07/14	LK	SW6010	
Thallium	< 3.0	3.0	mg/Kg	03/07/14	LK	SW6010	
Vanadium	30.6	0.34	mg/Kg	03/07/14	LK	SW6010	
Zinc	264	3.4	mg/Kg	03/07/14	LK	SW6010	B
Percent Solid	89		%	03/06/14	I	E160.3	
Total Cyanide	< 0.51	0.51	mg/Kg	03/06/14	O/GD	SW 9010/9012	
Soil Extraction for PCB	Completed			03/06/14	BB	SW3545	
Soil Extraction for Pesticide	Completed			03/06/14	BB	SW3545	
Soil Extraction for SVOA	Completed			03/06/14	BB/FV	SW3545	

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Mercury Digestion	Completed			03/07/14	I/I	SW7471	
Total Metals Digest	Completed			03/06/14	CB/AG	SW846 - 3050	
Field Extraction	Completed			03/05/14		SW5035	
Polychlorinated Biphenyls							
PCB-1016	ND	370	ug/Kg	03/07/14	AW	SW 8082	
PCB-1221	ND	370	ug/Kg	03/07/14	AW	SW 8082	
PCB-1232	ND	370	ug/Kg	03/07/14	AW	SW 8082	
PCB-1242	ND	370	ug/Kg	03/07/14	AW	SW 8082	
PCB-1248	ND	370	ug/Kg	03/07/14	AW	SW 8082	
PCB-1254	ND	370	ug/Kg	03/07/14	AW	SW 8082	
PCB-1260	ND	370	ug/Kg	03/07/14	AW	SW 8082	
PCB-1262	ND	370	ug/Kg	03/07/14	AW	SW 8082	
PCB-1268	ND	370	ug/Kg	03/07/14	AW	SW 8082	
QA/QC Surrogates							
% DCBP	>150		%	03/07/14	AW	30 - 150 %	3
% TCMX	108		%	03/07/14	AW	30 - 150 %	
Pesticides							
4,4' -DDD	ND	35	ug/Kg	03/07/14	CE	SW8081	
4,4' -DDE	ND	35	ug/Kg	03/07/14	CE	SW8081	
4,4' -DDT	ND	35	ug/Kg	03/07/14	CE	SW8081	
a-BHC	ND	18	ug/Kg	03/07/14	CE	SW8081	
Alachlor	ND	18	ug/Kg	03/07/14	CE	SW8081	1
Aldrin	ND	5.5	ug/Kg	03/07/14	CE	SW8081	
b-BHC	ND	18	ug/Kg	03/07/14	CE	SW8081	
Chlordane	ND	55	ug/Kg	03/07/14	CE	SW8081	
d-BHC	ND	18	ug/Kg	03/07/14	CE	SW8081	
Dieldrin	11	5.5	ug/Kg	03/07/14	CE	SW8081	
Endosulfan I	ND	18	ug/Kg	03/07/14	CE	SW8081	
Endosulfan II	ND	35	ug/Kg	03/07/14	CE	SW8081	
Endosulfan sulfate	ND	35	ug/Kg	03/07/14	CE	SW8081	
Endrin	ND	35	ug/Kg	03/07/14	CE	SW8081	
Endrin aldehyde	ND	35	ug/Kg	03/07/14	CE	SW8081	
Endrin ketone	ND	35	ug/Kg	03/07/14	CE	SW8081	
g-BHC	ND	5.5	ug/Kg	03/07/14	CE	SW8081	
Heptachlor	ND	11	ug/Kg	03/07/14	CE	SW8081	
Heptachlor epoxide	ND	18	ug/Kg	03/07/14	CE	SW8081	
Methoxychlor	ND	180	ug/Kg	03/07/14	CE	SW8081	
Toxaphene	ND	920	ug/Kg	03/07/14	CE	SW8081	
QA/QC Surrogates							
% DCBP	Diluted Out		%	03/07/14	CE	30 - 150 %	
% TCMX	Diluted Out		%	03/07/14	CE	30 - 150 %	
Volatiles							
1,1,1,2-Tetrachloroethane	ND	13	ug/Kg	03/07/14	JLI	SW8260	
1,1,1-Trichloroethane	ND	13	ug/Kg	03/07/14	JLI	SW8260	
1,1,2,2-Tetrachloroethane	ND	7.7	ug/Kg	03/07/14	JLI	SW8260	
1,1,2-Trichloroethane	ND	13	ug/Kg	03/07/14	JLI	SW8260	
1,1-Dichloroethane	ND	13	ug/Kg	03/07/14	JLI	SW8260	

Project ID: 25-11 & 25-17 38TH AVE
Client ID: SB7 0-2

Phoenix I.D.: BG16442

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
1,1-Dichloroethene	ND	13	ug/Kg	03/07/14	JLI	SW8260	
1,1-Dichloropropene	ND	13	ug/Kg	03/07/14	JLI	SW8260	
1,2,3-Trichlorobenzene	ND	13	ug/Kg	03/07/14	JLI	SW8260	
1,2,3-Trichloropropane	ND	13	ug/Kg	03/07/14	JLI	SW8260	
1,2,4-Trichlorobenzene	ND	13	ug/Kg	03/07/14	JLI	SW8260	
1,2,4-Trimethylbenzene	ND	13	ug/Kg	03/07/14	JLI	SW8260	
1,2-Dibromo-3-chloropropane	ND	13	ug/Kg	03/07/14	JLI	SW8260	
1,2-Dibromoethane	ND	13	ug/Kg	03/07/14	JLI	SW8260	
1,2-Dichlorobenzene	ND	13	ug/Kg	03/07/14	JLI	SW8260	
1,2-Dichloroethane	ND	13	ug/Kg	03/07/14	JLI	SW8260	
1,2-Dichloropropane	ND	13	ug/Kg	03/07/14	JLI	SW8260	
1,3,5-Trimethylbenzene	ND	13	ug/Kg	03/07/14	JLI	SW8260	
1,3-Dichlorobenzene	ND	13	ug/Kg	03/07/14	JLI	SW8260	
1,3-Dichloropropane	ND	13	ug/Kg	03/07/14	JLI	SW8260	
1,4-Dichlorobenzene	ND	13	ug/Kg	03/07/14	JLI	SW8260	
2,2-Dichloropropane	ND	13	ug/Kg	03/07/14	JLI	SW8260	
2-Chlorotoluene	ND	13	ug/Kg	03/07/14	JLI	SW8260	
2-Hexanone	ND	64	ug/Kg	03/07/14	JLI	SW8260	
2-Isopropyltoluene	ND	13	ug/Kg	03/07/14	JLI	SW8260	1
4-Chlorotoluene	ND	13	ug/Kg	03/07/14	JLI	SW8260	
4-Methyl-2-pentanone	ND	64	ug/Kg	03/07/14	JLI	SW8260	
Acetone	ND	77	ug/Kg	03/07/14	JLI	SW8260	
Acrylonitrile	ND	13	ug/Kg	03/07/14	JLI	SW8260	
Benzene	ND	13	ug/Kg	03/07/14	JLI	SW8260	
Bromobenzene	ND	13	ug/Kg	03/07/14	JLI	SW8260	
Bromochloromethane	ND	13	ug/Kg	03/07/14	JLI	SW8260	
Bromodichloromethane	ND	13	ug/Kg	03/07/14	JLI	SW8260	
Bromoform	ND	13	ug/Kg	03/07/14	JLI	SW8260	
Bromomethane	ND	13	ug/Kg	03/07/14	JLI	SW8260	
Carbon Disulfide	ND	13	ug/Kg	03/07/14	JLI	SW8260	
Carbon tetrachloride	ND	13	ug/Kg	03/07/14	JLI	SW8260	
Chlorobenzene	ND	13	ug/Kg	03/07/14	JLI	SW8260	
Chloroethane	ND	13	ug/Kg	03/07/14	JLI	SW8260	
Chloroform	ND	13	ug/Kg	03/07/14	JLI	SW8260	
Chloromethane	ND	13	ug/Kg	03/07/14	JLI	SW8260	
cis-1,2-Dichloroethene	ND	13	ug/Kg	03/07/14	JLI	SW8260	
cis-1,3-Dichloropropene	ND	13	ug/Kg	03/07/14	JLI	SW8260	
Dibromochloromethane	ND	7.7	ug/Kg	03/07/14	JLI	SW8260	
Dibromomethane	ND	13	ug/Kg	03/07/14	JLI	SW8260	
Dichlorodifluoromethane	ND	13	ug/Kg	03/07/14	JLI	SW8260	
Ethylbenzene	ND	13	ug/Kg	03/07/14	JLI	SW8260	
Hexachlorobutadiene	ND	13	ug/Kg	03/07/14	JLI	SW8260	
Isopropylbenzene	ND	13	ug/Kg	03/07/14	JLI	SW8260	
m&p-Xylene	ND	13	ug/Kg	03/07/14	JLI	SW8260	
Methyl Ethyl Ketone	ND	77	ug/Kg	03/07/14	JLI	SW8260	
Methyl t-butyl ether (MTBE)	ND	26	ug/Kg	03/07/14	JLI	SW8260	
Methylene chloride	ND	13	ug/Kg	03/07/14	JLI	SW8260	
Naphthalene	ND	13	ug/Kg	03/07/14	JLI	SW8260	
n-Butylbenzene	ND	13	ug/Kg	03/07/14	JLI	SW8260	

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
n-Propylbenzene	ND	13	ug/Kg	03/07/14	JLI	SW8260	
o-Xylene	ND	13	ug/Kg	03/07/14	JLI	SW8260	
p-Isopropyltoluene	ND	13	ug/Kg	03/07/14	JLI	SW8260	
sec-Butylbenzene	ND	13	ug/Kg	03/07/14	JLI	SW8260	
Styrene	ND	13	ug/Kg	03/07/14	JLI	SW8260	
tert-Butylbenzene	ND	13	ug/Kg	03/07/14	JLI	SW8260	
Tetrachloroethene	ND	13	ug/Kg	03/07/14	JLI	SW8260	
Tetrahydrofuran (THF)	ND	26	ug/Kg	03/07/14	JLI	SW8260	1
Toluene	ND	13	ug/Kg	03/07/14	JLI	SW8260	
Total Xylenes	ND	13	ug/Kg	03/07/14	JLI	SW8260	
trans-1,2-Dichloroethene	ND	13	ug/Kg	03/07/14	JLI	SW8260	
trans-1,3-Dichloropropene	ND	13	ug/Kg	03/07/14	JLI	SW8260	
trans-1,4-dichloro-2-butene	ND	26	ug/Kg	03/07/14	JLI	SW8260	
Trichloroethene	ND	13	ug/Kg	03/07/14	JLI	SW8260	
Trichlorofluoromethane	ND	13	ug/Kg	03/07/14	JLI	SW8260	
Trichlorotrifluoroethane	ND	13	ug/Kg	03/07/14	JLI	SW8260	
Vinyl chloride	ND	13	ug/Kg	03/07/14	JLI	SW8260	
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	104		%	03/07/14	JLI	70 - 130 %	
% Bromofluorobenzene	103		%	03/07/14	JLI	70 - 130 %	
% Dibromofluoromethane	100		%	03/07/14	JLI	70 - 130 %	
% Toluene-d8	102		%	03/07/14	JLI	70 - 130 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	2600	ug/Kg	03/07/14	DD	SW 8270
1,2,4-Trichlorobenzene	ND	2600	ug/Kg	03/07/14	DD	SW 8270
1,2-Dichlorobenzene	ND	2600	ug/Kg	03/07/14	DD	SW 8270
1,2-Diphenylhydrazine	ND	3700	ug/Kg	03/07/14	DD	SW 8270
1,3-Dichlorobenzene	ND	2600	ug/Kg	03/07/14	DD	SW 8270
1,4-Dichlorobenzene	ND	2600	ug/Kg	03/07/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	2600	ug/Kg	03/07/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	2600	ug/Kg	03/07/14	DD	SW 8270
2,4-Dichlorophenol	ND	2600	ug/Kg	03/07/14	DD	SW 8270
2,4-Dimethylphenol	ND	2600	ug/Kg	03/07/14	DD	SW 8270
2,4-Dinitrophenol	ND	5900	ug/Kg	03/07/14	DD	SW 8270
2,4-Dinitrotoluene	ND	2600	ug/Kg	03/07/14	DD	SW 8270
2,6-Dinitrotoluene	ND	2600	ug/Kg	03/07/14	DD	SW 8270
2-Chloronaphthalene	ND	2600	ug/Kg	03/07/14	DD	SW 8270
2-Chlorophenol	ND	2600	ug/Kg	03/07/14	DD	SW 8270
2-Methylnaphthalene	ND	2600	ug/Kg	03/07/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	2600	ug/Kg	03/07/14	DD	SW 8270
2-Nitroaniline	ND	5900	ug/Kg	03/07/14	DD	SW 8270
2-Nitrophenol	ND	2600	ug/Kg	03/07/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	3700	ug/Kg	03/07/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	2600	ug/Kg	03/07/14	DD	SW 8270
3-Nitroaniline	ND	5900	ug/Kg	03/07/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	11000	ug/Kg	03/07/14	DD	SW 8270
4-Bromophenyl phenyl ether	ND	3700	ug/Kg	03/07/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	2600	ug/Kg	03/07/14	DD	SW 8270
4-Chloroaniline	ND	2600	ug/Kg	03/07/14	DD	SW 8270

Project ID: 25-11 & 25-17 38TH AVE
Client ID: SB7 0-2

Phoenix I.D.: BG16442

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
4-Chlorophenyl phenyl ether	ND	2600	ug/Kg	03/07/14	DD	SW 8270	
4-Nitroaniline	ND	5900	ug/Kg	03/07/14	DD	SW 8270	
4-Nitrophenol	ND	11000	ug/Kg	03/07/14	DD	SW 8270	
Acenaphthene	ND	2600	ug/Kg	03/07/14	DD	SW 8270	
Acenaphthylene	ND	2600	ug/Kg	03/07/14	DD	SW 8270	
Acetophenone	ND	2600	ug/Kg	03/07/14	DD	SW 8270	
Aniline	ND	11000	ug/Kg	03/07/14	DD	SW 8270	
Anthracene	ND	2600	ug/Kg	03/07/14	DD	SW 8270	
Benz(a)anthracene	5500	2600	ug/Kg	03/07/14	DD	SW 8270	
Benzidine	ND	4400	ug/Kg	03/07/14	DD	SW 8270	
Benzo(a)pyrene	5000	2600	ug/Kg	03/07/14	DD	SW 8270	
Benzo(b)fluoranthene	6500	2600	ug/Kg	03/07/14	DD	SW 8270	
Benzo(ghi)perylene	3300	2600	ug/Kg	03/07/14	DD	SW 8270	
Benzo(k)fluoranthene	ND	2600	ug/Kg	03/07/14	DD	SW 8270	
Benzoic acid	ND	11000	ug/Kg	03/07/14	DD	SW 8270	1
Benzyl butyl phthalate	ND	2600	ug/Kg	03/07/14	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	2600	ug/Kg	03/07/14	DD	SW 8270	
Bis(2-chloroethyl)ether	ND	3700	ug/Kg	03/07/14	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	2600	ug/Kg	03/07/14	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	3300	2600	ug/Kg	03/07/14	DD	SW 8270	
Carbazole	ND	5500	ug/Kg	03/07/14	DD	SW 8270	
Chrysene	5500	2600	ug/Kg	03/07/14	DD	SW 8270	
Dibenz(a,h)anthracene	ND	2600	ug/Kg	03/07/14	DD	SW 8270	
Dibenzofuran	ND	2600	ug/Kg	03/07/14	DD	SW 8270	
Diethyl phthalate	ND	2600	ug/Kg	03/07/14	DD	SW 8270	
Dimethylphthalate	ND	2600	ug/Kg	03/07/14	DD	SW 8270	
Di-n-butylphthalate	ND	2600	ug/Kg	03/07/14	DD	SW 8270	
Di-n-octylphthalate	ND	2600	ug/Kg	03/07/14	DD	SW 8270	
Fluoranthene	12000	2600	ug/Kg	03/07/14	DD	SW 8270	
Fluorene	ND	2600	ug/Kg	03/07/14	DD	SW 8270	
Hexachlorobenzene	ND	2600	ug/Kg	03/07/14	DD	SW 8270	
Hexachlorobutadiene	ND	2600	ug/Kg	03/07/14	DD	SW 8270	
Hexachlorocyclopentadiene	ND	2600	ug/Kg	03/07/14	DD	SW 8270	
Hexachloroethane	ND	2600	ug/Kg	03/07/14	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	3100	2600	ug/Kg	03/07/14	DD	SW 8270	
Isophorone	ND	2600	ug/Kg	03/07/14	DD	SW 8270	
Naphthalene	ND	2600	ug/Kg	03/07/14	DD	SW 8270	
Nitrobenzene	ND	2600	ug/Kg	03/07/14	DD	SW 8270	
N-Nitrosodimethylamine	ND	3700	ug/Kg	03/07/14	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	2600	ug/Kg	03/07/14	DD	SW 8270	
N-Nitrosodiphenylamine	ND	3700	ug/Kg	03/07/14	DD	SW 8270	
Pentachloronitrobenzene	ND	3700	ug/Kg	03/07/14	DD	SW 8270	
Pentachlorophenol	ND	3700	ug/Kg	03/07/14	DD	SW 8270	
Phenanthrene	9100	2600	ug/Kg	03/07/14	DD	SW 8270	
Phenol	ND	2600	ug/Kg	03/07/14	DD	SW 8270	
Pyrene	9900	2600	ug/Kg	03/07/14	DD	SW 8270	
Pyridine	ND	3700	ug/Kg	03/07/14	DD	SW 8270	
QA/QC Surrogates							
% 2,4,6-Tribromophenol	*Diluted Out		%	03/07/14	DD	30 - 130 %	

Project ID: 25-11 & 25-17 38TH AVE
Client ID: SB7 0-2

Phoenix I.D.: BG16442

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
% 2-Fluorobiphenyl	*Diluted Out		%	03/07/14	DD	30 - 130 %
% 2-Fluorophenol	*Diluted Out		%	03/07/14	DD	30 - 130 %
% Nitrobenzene-d5	*Diluted Out		%	03/07/14	DD	30 - 130 %
% Phenol-d5	*Diluted Out		%	03/07/14	DD	30 - 130 %
% Terphenyl-d14	*Diluted Out		%	03/07/14	DD	30 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
3 = This parameter exceeds laboratory specified limits.
B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

Please be advised that the NY unrestricted soil criteria for chromium is based on hexavalent chromium and trivalent chromium.

*PCB Analysis Comment:
A surrogate recovery was >150%. No PCB was reported in the sample, therefore no significant bias is suspected.

Semi-Volatile Comment:
Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, a dilution was required resulting in an elevated RL for the semivolatile analysis.

Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, an elevated RL was reported for the pesticide analysis.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
March 13, 2014
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 13, 2014

FOR: Attn: Melissa Pryer
Galli Engineering, P.C.
734 Walt Whitman Rd
Suite 402A
Melville, NY 11747

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	MP	03/05/14	11:00
Location Code:	GALLI-ENG	Received by:	LDA	03/06/14	17:00
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG16438
Phoenix ID: BG16443

Project ID: 25-11 & 25-17 38TH AVE
Client ID: SB7 11

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Silver	< 0.34	0.34	mg/Kg	03/07/14	LK	SW6010	
Aluminum	3770	51	mg/Kg	03/07/14	LK	SW6010	
Arsenic	< 0.7	0.7	mg/Kg	03/07/14	LK	SW6010	
Barium	32.4	0.34	mg/Kg	03/07/14	LK	SW6010	
Beryllium	< 0.27	0.27	mg/Kg	03/07/14	LK	SW6010	
Calcium	11000	51	mg/Kg	03/07/14	LK	SW6010	
Cadmium	< 0.34	0.34	mg/Kg	03/07/14	LK	SW6010	
Cobalt	3.54	0.34	mg/Kg	03/07/14	LK	SW6010	
Chromium	5.62	0.34	mg/Kg	03/07/14	LK	SW6010	
Copper	14.0	0.34	mg/kg	03/07/14	LK	SW6010	
Iron	8720	51	mg/Kg	03/07/14	LK	SW6010	B
Mercury	< 0.06	0.06	mg/Kg	03/07/14	RS	SW-7471	
Potassium	626	5.1	mg/Kg	03/07/14	LK	SW6010	
Magnesium	8290	51	mg/Kg	03/07/14	LK	SW6010	
Manganese	379	3.4	mg/Kg	03/07/14	LK	SW6010	
Sodium	114	5.1	mg/Kg	03/07/14	LK	SW6010	
Nickel	8.67	0.34	mg/Kg	03/07/14	LK	SW6010	
Lead	26.3	0.34	mg/Kg	03/07/14	LK	SW6010	
Antimony	< 3.4	3.4	mg/Kg	03/07/14	LK	SW6010	
Selenium	< 1.3	1.3	mg/Kg	03/07/14	LK	SW6010	
Thallium	< 3.0	3.0	mg/Kg	03/07/14	LK	SW6010	
Vanadium	7.25	0.34	mg/Kg	03/07/14	LK	SW6010	
Zinc	16.4	0.34	mg/Kg	03/07/14	LK	SW6010	B
Percent Solid	99		%	03/06/14	I	E160.3	
Total Cyanide	< 0.51	0.51	mg/Kg	03/06/14	O/GD	SW 9010/9012	
Soil Extraction for PCB	Completed			03/06/14	BB	SW3545	
Soil Extraction for Pesticide	Completed			03/06/14	BB	SW3545	
Soil Extraction for SVOA	Completed			03/06/14	BB/FV	SW3545	

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Mercury Digestion	Completed			03/07/14	I/I	SW7471	
Total Metals Digest	Completed			03/06/14	CB/AG	SW846 - 3050	
Field Extraction	Completed			03/05/14		SW5035	
Polychlorinated Biphenyls							
PCB-1016	ND	330	ug/Kg	03/07/14	AW	SW 8082	
PCB-1221	ND	330	ug/Kg	03/07/14	AW	SW 8082	
PCB-1232	ND	330	ug/Kg	03/07/14	AW	SW 8082	
PCB-1242	ND	330	ug/Kg	03/07/14	AW	SW 8082	
PCB-1248	ND	330	ug/Kg	03/07/14	AW	SW 8082	
PCB-1254	ND	330	ug/Kg	03/07/14	AW	SW 8082	
PCB-1260	ND	330	ug/Kg	03/07/14	AW	SW 8082	
PCB-1262	ND	330	ug/Kg	03/07/14	AW	SW 8082	
PCB-1268	ND	330	ug/Kg	03/07/14	AW	SW 8082	
QA/QC Surrogates							
% DCBP	110		%	03/07/14	AW	30 - 150 %	
% TCMX	112		%	03/07/14	AW	30 - 150 %	
Pesticides							
4,4' -DDD	ND	6.3	ug/Kg	03/07/14	CE	SW8081	
4,4' -DDE	ND	6.3	ug/Kg	03/07/14	CE	SW8081	
4,4' -DDT	ND	6.3	ug/Kg	03/07/14	CE	SW8081	
a-BHC	ND	3.1	ug/Kg	03/07/14	CE	SW8081	
Alachlor	ND	3.1	ug/Kg	03/07/14	CE	SW8081	1
Aldrin	ND	0.98	ug/Kg	03/07/14	CE	SW8081	
b-BHC	ND	3.1	ug/Kg	03/07/14	CE	SW8081	
Chlordane	ND	9.8	ug/Kg	03/07/14	CE	SW8081	
d-BHC	ND	3.1	ug/Kg	03/07/14	CE	SW8081	
Dieldrin	ND	0.98	ug/Kg	03/07/14	CE	SW8081	
Endosulfan I	ND	3.1	ug/Kg	03/07/14	CE	SW8081	
Endosulfan II	ND	6.3	ug/Kg	03/07/14	CE	SW8081	
Endosulfan sulfate	ND	6.3	ug/Kg	03/07/14	CE	SW8081	
Endrin	ND	6.3	ug/Kg	03/07/14	CE	SW8081	
Endrin aldehyde	ND	6.3	ug/Kg	03/07/14	CE	SW8081	
Endrin ketone	ND	6.3	ug/Kg	03/07/14	CE	SW8081	
g-BHC	ND	0.98	ug/Kg	03/07/14	CE	SW8081	
Heptachlor	ND	2.0	ug/Kg	03/07/14	CE	SW8081	
Heptachlor epoxide	ND	3.1	ug/Kg	03/07/14	CE	SW8081	
Methoxychlor	ND	31	ug/Kg	03/07/14	CE	SW8081	
Toxaphene	ND	160	ug/Kg	03/07/14	CE	SW8081	
QA/QC Surrogates							
% DCBP	96		%	03/07/14	CE	30 - 150 %	
% TCMX	85		%	03/07/14	CE	30 - 150 %	
Volatiles							
1,1,1,2-Tetrachloroethane	ND	6.2	ug/Kg	03/07/14	JLI	SW8260	
1,1,1-Trichloroethane	ND	6.2	ug/Kg	03/07/14	JLI	SW8260	
1,1,2,2-Tetrachloroethane	ND	3.7	ug/Kg	03/07/14	JLI	SW8260	
1,1,2-Trichloroethane	ND	6.2	ug/Kg	03/07/14	JLI	SW8260	
1,1-Dichloroethane	ND	6.2	ug/Kg	03/07/14	JLI	SW8260	

Project ID: 25-11 & 25-17 38TH AVE
Client ID: SB7 11

Phoenix I.D.: BG16443

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
1,1-Dichloroethene	ND	6.2	ug/Kg	03/07/14	JLI	SW8260	
1,1-Dichloropropene	ND	6.2	ug/Kg	03/07/14	JLI	SW8260	
1,2,3-Trichlorobenzene	ND	6.2	ug/Kg	03/07/14	JLI	SW8260	
1,2,3-Trichloropropane	ND	6.2	ug/Kg	03/07/14	JLI	SW8260	
1,2,4-Trichlorobenzene	ND	6.2	ug/Kg	03/07/14	JLI	SW8260	
1,2,4-Trimethylbenzene	ND	6.2	ug/Kg	03/07/14	JLI	SW8260	
1,2-Dibromo-3-chloropropane	ND	6.2	ug/Kg	03/07/14	JLI	SW8260	
1,2-Dibromoethane	ND	6.2	ug/Kg	03/07/14	JLI	SW8260	
1,2-Dichlorobenzene	ND	6.2	ug/Kg	03/07/14	JLI	SW8260	
1,2-Dichloroethane	ND	6.2	ug/Kg	03/07/14	JLI	SW8260	
1,2-Dichloropropane	ND	6.2	ug/Kg	03/07/14	JLI	SW8260	
1,3,5-Trimethylbenzene	ND	6.2	ug/Kg	03/07/14	JLI	SW8260	
1,3-Dichlorobenzene	ND	6.2	ug/Kg	03/07/14	JLI	SW8260	
1,3-Dichloropropane	ND	6.2	ug/Kg	03/07/14	JLI	SW8260	
1,4-Dichlorobenzene	ND	6.2	ug/Kg	03/07/14	JLI	SW8260	
2,2-Dichloropropane	ND	6.2	ug/Kg	03/07/14	JLI	SW8260	
2-Chlorotoluene	ND	6.2	ug/Kg	03/07/14	JLI	SW8260	
2-Hexanone	ND	31	ug/Kg	03/07/14	JLI	SW8260	
2-Isopropyltoluene	ND	6.2	ug/Kg	03/07/14	JLI	SW8260	1
4-Chlorotoluene	ND	6.2	ug/Kg	03/07/14	JLI	SW8260	
4-Methyl-2-pentanone	ND	31	ug/Kg	03/07/14	JLI	SW8260	
Acetone	ND	37	ug/Kg	03/07/14	JLI	SW8260	
Acrylonitrile	ND	6.2	ug/Kg	03/07/14	JLI	SW8260	
Benzene	ND	6.2	ug/Kg	03/07/14	JLI	SW8260	
Bromobenzene	ND	6.2	ug/Kg	03/07/14	JLI	SW8260	
Bromochloromethane	ND	6.2	ug/Kg	03/07/14	JLI	SW8260	
Bromodichloromethane	ND	6.2	ug/Kg	03/07/14	JLI	SW8260	
Bromoform	ND	6.2	ug/Kg	03/07/14	JLI	SW8260	
Bromomethane	ND	6.2	ug/Kg	03/07/14	JLI	SW8260	
Carbon Disulfide	ND	6.2	ug/Kg	03/07/14	JLI	SW8260	
Carbon tetrachloride	ND	6.2	ug/Kg	03/07/14	JLI	SW8260	
Chlorobenzene	ND	6.2	ug/Kg	03/07/14	JLI	SW8260	
Chloroethane	ND	6.2	ug/Kg	03/07/14	JLI	SW8260	
Chloroform	ND	6.2	ug/Kg	03/07/14	JLI	SW8260	
Chloromethane	ND	6.2	ug/Kg	03/07/14	JLI	SW8260	
cis-1,2-Dichloroethene	ND	6.2	ug/Kg	03/07/14	JLI	SW8260	
cis-1,3-Dichloropropene	ND	6.2	ug/Kg	03/07/14	JLI	SW8260	
Dibromochloromethane	ND	3.7	ug/Kg	03/07/14	JLI	SW8260	
Dibromomethane	ND	6.2	ug/Kg	03/07/14	JLI	SW8260	
Dichlorodifluoromethane	ND	6.2	ug/Kg	03/07/14	JLI	SW8260	
Ethylbenzene	ND	6.2	ug/Kg	03/07/14	JLI	SW8260	
Hexachlorobutadiene	ND	6.2	ug/Kg	03/07/14	JLI	SW8260	
Isopropylbenzene	ND	6.2	ug/Kg	03/07/14	JLI	SW8260	
m&p-Xylene	ND	6.2	ug/Kg	03/07/14	JLI	SW8260	
Methyl Ethyl Ketone	ND	37	ug/Kg	03/07/14	JLI	SW8260	
Methyl t-butyl ether (MTBE)	ND	12	ug/Kg	03/07/14	JLI	SW8260	
Methylene chloride	ND	6.2	ug/Kg	03/07/14	JLI	SW8260	
Naphthalene	ND	6.2	ug/Kg	03/07/14	JLI	SW8260	
n-Butylbenzene	ND	6.2	ug/Kg	03/07/14	JLI	SW8260	

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
n-Propylbenzene	ND	6.2	ug/Kg	03/07/14	JLI	SW8260	
o-Xylene	ND	6.2	ug/Kg	03/07/14	JLI	SW8260	
p-Isopropyltoluene	ND	6.2	ug/Kg	03/07/14	JLI	SW8260	
sec-Butylbenzene	ND	6.2	ug/Kg	03/07/14	JLI	SW8260	
Styrene	ND	6.2	ug/Kg	03/07/14	JLI	SW8260	
tert-Butylbenzene	ND	6.2	ug/Kg	03/07/14	JLI	SW8260	
Tetrachloroethene	ND	6.2	ug/Kg	03/07/14	JLI	SW8260	
Tetrahydrofuran (THF)	ND	12	ug/Kg	03/07/14	JLI	SW8260	1
Toluene	ND	6.2	ug/Kg	03/07/14	JLI	SW8260	
Total Xylenes	ND	6.2	ug/Kg	03/07/14	JLI	SW8260	
trans-1,2-Dichloroethene	ND	6.2	ug/Kg	03/07/14	JLI	SW8260	
trans-1,3-Dichloropropene	ND	6.2	ug/Kg	03/07/14	JLI	SW8260	
trans-1,4-dichloro-2-butene	ND	12	ug/Kg	03/07/14	JLI	SW8260	
Trichloroethene	ND	6.2	ug/Kg	03/07/14	JLI	SW8260	
Trichlorofluoromethane	ND	6.2	ug/Kg	03/07/14	JLI	SW8260	
Trichlorotrifluoroethane	ND	6.2	ug/Kg	03/07/14	JLI	SW8260	
Vinyl chloride	ND	6.2	ug/Kg	03/07/14	JLI	SW8260	
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	104		%	03/07/14	JLI	70 - 130 %	
% Bromofluorobenzene	101		%	03/07/14	JLI	70 - 130 %	
% Dibromofluoromethane	109		%	03/07/14	JLI	70 - 130 %	
% Toluene-d8	103		%	03/07/14	JLI	70 - 130 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	230	ug/Kg	03/07/14	DD	SW 8270
1,2,4-Trichlorobenzene	ND	230	ug/Kg	03/07/14	DD	SW 8270
1,2-Dichlorobenzene	ND	230	ug/Kg	03/07/14	DD	SW 8270
1,2-Diphenylhydrazine	ND	330	ug/Kg	03/07/14	DD	SW 8270
1,3-Dichlorobenzene	ND	230	ug/Kg	03/07/14	DD	SW 8270
1,4-Dichlorobenzene	ND	230	ug/Kg	03/07/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	230	ug/Kg	03/07/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	230	ug/Kg	03/07/14	DD	SW 8270
2,4-Dichlorophenol	ND	230	ug/Kg	03/07/14	DD	SW 8270
2,4-Dimethylphenol	ND	230	ug/Kg	03/07/14	DD	SW 8270
2,4-Dinitrophenol	ND	530	ug/Kg	03/07/14	DD	SW 8270
2,4-Dinitrotoluene	ND	230	ug/Kg	03/07/14	DD	SW 8270
2,6-Dinitrotoluene	ND	230	ug/Kg	03/07/14	DD	SW 8270
2-Chloronaphthalene	ND	230	ug/Kg	03/07/14	DD	SW 8270
2-Chlorophenol	ND	230	ug/Kg	03/07/14	DD	SW 8270
2-Methylnaphthalene	ND	230	ug/Kg	03/07/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	230	ug/Kg	03/07/14	DD	SW 8270
2-Nitroaniline	ND	530	ug/Kg	03/07/14	DD	SW 8270
2-Nitrophenol	ND	230	ug/Kg	03/07/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	330	ug/Kg	03/07/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	230	ug/Kg	03/07/14	DD	SW 8270
3-Nitroaniline	ND	530	ug/Kg	03/07/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	960	ug/Kg	03/07/14	DD	SW 8270
4-Bromophenyl phenyl ether	ND	330	ug/Kg	03/07/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	230	ug/Kg	03/07/14	DD	SW 8270
4-Chloroaniline	ND	230	ug/Kg	03/07/14	DD	SW 8270

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
4-Chlorophenyl phenyl ether	ND	230	ug/Kg	03/07/14	DD	SW 8270	
4-Nitroaniline	ND	530	ug/Kg	03/07/14	DD	SW 8270	
4-Nitrophenol	ND	960	ug/Kg	03/07/14	DD	SW 8270	
Acenaphthene	ND	230	ug/Kg	03/07/14	DD	SW 8270	
Acenaphthylene	ND	230	ug/Kg	03/07/14	DD	SW 8270	
Acetophenone	ND	230	ug/Kg	03/07/14	DD	SW 8270	
Aniline	ND	960	ug/Kg	03/07/14	DD	SW 8270	
Anthracene	ND	230	ug/Kg	03/07/14	DD	SW 8270	
Benz(a)anthracene	ND	230	ug/Kg	03/07/14	DD	SW 8270	
Benzidine	ND	400	ug/Kg	03/07/14	DD	SW 8270	
Benzo(a)pyrene	ND	230	ug/Kg	03/07/14	DD	SW 8270	
Benzo(b)fluoranthene	ND	230	ug/Kg	03/07/14	DD	SW 8270	
Benzo(ghi)perylene	ND	230	ug/Kg	03/07/14	DD	SW 8270	
Benzo(k)fluoranthene	ND	230	ug/Kg	03/07/14	DD	SW 8270	
Benzoic acid	ND	960	ug/Kg	03/07/14	DD	SW 8270	1
Benzyl butyl phthalate	ND	230	ug/Kg	03/07/14	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	230	ug/Kg	03/07/14	DD	SW 8270	
Bis(2-chloroethyl)ether	ND	330	ug/Kg	03/07/14	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	230	ug/Kg	03/07/14	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND	230	ug/Kg	03/07/14	DD	SW 8270	
Carbazole	ND	500	ug/Kg	03/07/14	DD	SW 8270	
Chrysene	ND	230	ug/Kg	03/07/14	DD	SW 8270	
Dibenz(a,h)anthracene	ND	230	ug/Kg	03/07/14	DD	SW 8270	
Dibenzofuran	ND	230	ug/Kg	03/07/14	DD	SW 8270	
Diethyl phthalate	ND	230	ug/Kg	03/07/14	DD	SW 8270	
Dimethylphthalate	ND	230	ug/Kg	03/07/14	DD	SW 8270	
Di-n-butylphthalate	ND	230	ug/Kg	03/07/14	DD	SW 8270	
Di-n-octylphthalate	ND	230	ug/Kg	03/07/14	DD	SW 8270	
Fluoranthene	ND	230	ug/Kg	03/07/14	DD	SW 8270	
Fluorene	ND	230	ug/Kg	03/07/14	DD	SW 8270	
Hexachlorobenzene	ND	230	ug/Kg	03/07/14	DD	SW 8270	
Hexachlorobutadiene	ND	230	ug/Kg	03/07/14	DD	SW 8270	
Hexachlorocyclopentadiene	ND	230	ug/Kg	03/07/14	DD	SW 8270	
Hexachloroethane	ND	230	ug/Kg	03/07/14	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND	230	ug/Kg	03/07/14	DD	SW 8270	
Isophorone	ND	230	ug/Kg	03/07/14	DD	SW 8270	
Naphthalene	ND	230	ug/Kg	03/07/14	DD	SW 8270	
Nitrobenzene	ND	230	ug/Kg	03/07/14	DD	SW 8270	
N-Nitrosodimethylamine	ND	330	ug/Kg	03/07/14	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	230	ug/Kg	03/07/14	DD	SW 8270	
N-Nitrosodiphenylamine	ND	330	ug/Kg	03/07/14	DD	SW 8270	
Pentachloronitrobenzene	ND	330	ug/Kg	03/07/14	DD	SW 8270	
Pentachlorophenol	ND	330	ug/Kg	03/07/14	DD	SW 8270	
Phenanthrene	ND	230	ug/Kg	03/07/14	DD	SW 8270	
Phenol	ND	230	ug/Kg	03/07/14	DD	SW 8270	
Pyrene	ND	230	ug/Kg	03/07/14	DD	SW 8270	
Pyridine	ND	330	ug/Kg	03/07/14	DD	SW 8270	
QA/QC Surrogates							
% 2,4,6-Tribromophenol	76		%	03/07/14	DD	30 - 130 %	

Project ID: 25-11 & 25-17 38TH AVE
Client ID: SB7 11

Phoenix I.D.: BG16443

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
% 2-Fluorobiphenyl	70		%	03/07/14	DD	30 - 130 %
% 2-Fluorophenol	71		%	03/07/14	DD	30 - 130 %
% Nitrobenzene-d5	69		%	03/07/14	DD	30 - 130 %
% Phenol-d5	73		%	03/07/14	DD	30 - 130 %
% Terphenyl-d14	70		%	03/07/14	DD	30 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

Please be advised that the NY unrestricted soil criteria for chromium is based on hexavalent chromium and trivalent chromium.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
March 13, 2014
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 13, 2014

FOR: Attn: Melissa Pryer
Galli Engineering, P.C.
734 Walt Whitman Rd
Suite 402A
Melville, NY 11747

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	MP	03/05/14	11:30
Location Code:	GALLI-ENG	Received by:	LDA	03/06/14	17:00
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG16438
Phoenix ID: BG16444

Project ID: 25-11 & 25-17 38TH AVE
Client ID: SB7 16-18

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Silver	< 0.33	0.33	mg/Kg	03/07/14	LK	SW6010	
Aluminum	2870	49	mg/Kg	03/07/14	LK	SW6010	
Arsenic	< 0.7	0.7	mg/Kg	03/07/14	LK	SW6010	
Barium	20.1	0.33	mg/Kg	03/07/14	LK	SW6010	
Beryllium	< 0.26	0.26	mg/Kg	03/07/14	LK	SW6010	
Calcium	6640	4.9	mg/Kg	03/07/14	LK	SW6010	
Cadmium	< 0.33	0.33	mg/Kg	03/07/14	LK	SW6010	
Cobalt	2.93	0.33	mg/Kg	03/07/14	LK	SW6010	
Chromium	7.59	0.33	mg/Kg	03/07/14	LK	SW6010	
Copper	10.9	0.33	mg/kg	03/07/14	LK	SW6010	
Iron	7190	4.9	mg/Kg	03/07/14	LK	SW6010	B
Mercury	< 0.06	0.06	mg/Kg	03/07/14	RS	SW-7471	
Potassium	568	4.9	mg/Kg	03/07/14	LK	SW6010	
Magnesium	5200	49	mg/Kg	03/07/14	LK	SW6010	
Manganese	201	3.3	mg/Kg	03/07/14	LK	SW6010	
Sodium	135	4.9	mg/Kg	03/07/14	LK	SW6010	
Nickel	8.26	0.33	mg/Kg	03/07/14	LK	SW6010	
Lead	2.37	0.33	mg/Kg	03/07/14	LK	SW6010	
Antimony	< 3.3	3.3	mg/Kg	03/07/14	LK	SW6010	
Selenium	< 1.3	1.3	mg/Kg	03/07/14	LK	SW6010	
Thallium	< 3.0	3.0	mg/Kg	03/07/14	LK	SW6010	
Vanadium	10.4	0.33	mg/Kg	03/07/14	LK	SW6010	
Zinc	15.6	0.33	mg/Kg	03/07/14	LK	SW6010	B
Percent Solid	99		%	03/06/14	I	E160.3	
Total Cyanide	< 0.46	0.46	mg/Kg	03/06/14	O/GD	SW 9010/9012	
Soil Extraction for PCB	Completed			03/06/14	BB	SW3545	
Soil Extraction for Pesticide	Completed			03/06/14	BB	SW3545	
Soil Extraction for SVOA	Completed			03/06/14	BB/FV	SW3545	

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Mercury Digestion	Completed			03/07/14	I/I	SW7471	
Total Metals Digest	Completed			03/06/14	CB/AG	SW846 - 3050	
Field Extraction	Completed			03/05/14		SW5035	
Polychlorinated Biphenyls							
PCB-1016	ND	330	ug/Kg	03/07/14	AW	SW 8082	
PCB-1221	ND	330	ug/Kg	03/07/14	AW	SW 8082	
PCB-1232	ND	330	ug/Kg	03/07/14	AW	SW 8082	
PCB-1242	ND	330	ug/Kg	03/07/14	AW	SW 8082	
PCB-1248	ND	330	ug/Kg	03/07/14	AW	SW 8082	
PCB-1254	ND	330	ug/Kg	03/07/14	AW	SW 8082	
PCB-1260	ND	330	ug/Kg	03/07/14	AW	SW 8082	
PCB-1262	ND	330	ug/Kg	03/07/14	AW	SW 8082	
PCB-1268	ND	330	ug/Kg	03/07/14	AW	SW 8082	
QA/QC Surrogates							
% DCBP	122		%	03/07/14	AW	30 - 150 %	
% TCMX	112		%	03/07/14	AW	30 - 150 %	
Pesticides							
4,4' -DDD	ND	6.4	ug/Kg	03/07/14	CE	SW8081	
4,4' -DDE	ND	6.4	ug/Kg	03/07/14	CE	SW8081	
4,4' -DDT	ND	6.4	ug/Kg	03/07/14	CE	SW8081	
a-BHC	ND	3.2	ug/Kg	03/07/14	CE	SW8081	
Alachlor	ND	3.2	ug/Kg	03/07/14	CE	SW8081	1
Aldrin	ND	1.0	ug/Kg	03/07/14	CE	SW8081	
b-BHC	ND	3.2	ug/Kg	03/07/14	CE	SW8081	
Chlordane	ND	10	ug/Kg	03/07/14	CE	SW8081	
d-BHC	ND	3.2	ug/Kg	03/07/14	CE	SW8081	
Dieldrin	ND	1.0	ug/Kg	03/07/14	CE	SW8081	
Endosulfan I	ND	3.2	ug/Kg	03/07/14	CE	SW8081	
Endosulfan II	ND	6.4	ug/Kg	03/07/14	CE	SW8081	
Endosulfan sulfate	ND	6.4	ug/Kg	03/07/14	CE	SW8081	
Endrin	ND	6.4	ug/Kg	03/07/14	CE	SW8081	
Endrin aldehyde	ND	6.4	ug/Kg	03/07/14	CE	SW8081	
Endrin ketone	ND	6.4	ug/Kg	03/07/14	CE	SW8081	
g-BHC	ND	1.0	ug/Kg	03/07/14	CE	SW8081	
Heptachlor	ND	2.0	ug/Kg	03/07/14	CE	SW8081	
Heptachlor epoxide	ND	3.2	ug/Kg	03/07/14	CE	SW8081	
Methoxychlor	ND	32	ug/Kg	03/07/14	CE	SW8081	
Toxaphene	ND	170	ug/Kg	03/07/14	CE	SW8081	
QA/QC Surrogates							
% DCBP	104		%	03/07/14	CE	30 - 150 %	
% TCMX	92		%	03/07/14	CE	30 - 150 %	
Volatiles							
1,1,1,2-Tetrachloroethane	ND	15	ug/Kg	03/07/14	JLI	SW8260	
1,1,1-Trichloroethane	ND	15	ug/Kg	03/07/14	JLI	SW8260	
1,1,2,2-Tetrachloroethane	ND	8.8	ug/Kg	03/07/14	JLI	SW8260	
1,1,2-Trichloroethane	ND	15	ug/Kg	03/07/14	JLI	SW8260	
1,1-Dichloroethane	ND	15	ug/Kg	03/07/14	JLI	SW8260	

Project ID: 25-11 & 25-17 38TH AVE
Client ID: SB7 16-18

Phoenix I.D.: BG16444

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
1,1-Dichloroethene	ND	15	ug/Kg	03/07/14	JLI	SW8260	
1,1-Dichloropropene	ND	15	ug/Kg	03/07/14	JLI	SW8260	
1,2,3-Trichlorobenzene	ND	15	ug/Kg	03/07/14	JLI	SW8260	
1,2,3-Trichloropropane	ND	15	ug/Kg	03/07/14	JLI	SW8260	
1,2,4-Trichlorobenzene	ND	15	ug/Kg	03/07/14	JLI	SW8260	
1,2,4-Trimethylbenzene	ND	15	ug/Kg	03/07/14	JLI	SW8260	
1,2-Dibromo-3-chloropropane	ND	15	ug/Kg	03/07/14	JLI	SW8260	
1,2-Dibromoethane	ND	15	ug/Kg	03/07/14	JLI	SW8260	
1,2-Dichlorobenzene	ND	15	ug/Kg	03/07/14	JLI	SW8260	
1,2-Dichloroethane	ND	15	ug/Kg	03/07/14	JLI	SW8260	
1,2-Dichloropropane	ND	15	ug/Kg	03/07/14	JLI	SW8260	
1,3,5-Trimethylbenzene	ND	15	ug/Kg	03/07/14	JLI	SW8260	
1,3-Dichlorobenzene	ND	15	ug/Kg	03/07/14	JLI	SW8260	
1,3-Dichloropropane	ND	15	ug/Kg	03/07/14	JLI	SW8260	
1,4-Dichlorobenzene	ND	15	ug/Kg	03/07/14	JLI	SW8260	
2,2-Dichloropropane	ND	15	ug/Kg	03/07/14	JLI	SW8260	
2-Chlorotoluene	ND	15	ug/Kg	03/07/14	JLI	SW8260	
2-Hexanone	ND	73	ug/Kg	03/07/14	JLI	SW8260	
2-Isopropyltoluene	ND	15	ug/Kg	03/07/14	JLI	SW8260	1
4-Chlorotoluene	ND	15	ug/Kg	03/07/14	JLI	SW8260	
4-Methyl-2-pentanone	ND	73	ug/Kg	03/07/14	JLI	SW8260	
Acetone	ND	88	ug/Kg	03/07/14	JLI	SW8260	
Acrylonitrile	ND	15	ug/Kg	03/07/14	JLI	SW8260	
Benzene	ND	15	ug/Kg	03/07/14	JLI	SW8260	
Bromobenzene	ND	15	ug/Kg	03/07/14	JLI	SW8260	
Bromochloromethane	ND	15	ug/Kg	03/07/14	JLI	SW8260	
Bromodichloromethane	ND	15	ug/Kg	03/07/14	JLI	SW8260	
Bromoform	ND	15	ug/Kg	03/07/14	JLI	SW8260	
Bromomethane	ND	15	ug/Kg	03/07/14	JLI	SW8260	
Carbon Disulfide	ND	15	ug/Kg	03/07/14	JLI	SW8260	
Carbon tetrachloride	ND	15	ug/Kg	03/07/14	JLI	SW8260	
Chlorobenzene	ND	15	ug/Kg	03/07/14	JLI	SW8260	
Chloroethane	ND	15	ug/Kg	03/07/14	JLI	SW8260	
Chloroform	ND	15	ug/Kg	03/07/14	JLI	SW8260	
Chloromethane	ND	15	ug/Kg	03/07/14	JLI	SW8260	
cis-1,2-Dichloroethene	ND	15	ug/Kg	03/07/14	JLI	SW8260	
cis-1,3-Dichloropropene	ND	15	ug/Kg	03/07/14	JLI	SW8260	
Dibromochloromethane	ND	8.8	ug/Kg	03/07/14	JLI	SW8260	
Dibromomethane	ND	15	ug/Kg	03/07/14	JLI	SW8260	
Dichlorodifluoromethane	ND	15	ug/Kg	03/07/14	JLI	SW8260	
Ethylbenzene	ND	15	ug/Kg	03/07/14	JLI	SW8260	
Hexachlorobutadiene	ND	15	ug/Kg	03/07/14	JLI	SW8260	
Isopropylbenzene	ND	15	ug/Kg	03/07/14	JLI	SW8260	
m&p-Xylene	ND	15	ug/Kg	03/07/14	JLI	SW8260	
Methyl Ethyl Ketone	ND	88	ug/Kg	03/07/14	JLI	SW8260	
Methyl t-butyl ether (MTBE)	ND	29	ug/Kg	03/07/14	JLI	SW8260	
Methylene chloride	ND	15	ug/Kg	03/07/14	JLI	SW8260	
Naphthalene	ND	15	ug/Kg	03/07/14	JLI	SW8260	
n-Butylbenzene	ND	15	ug/Kg	03/07/14	JLI	SW8260	

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
n-Propylbenzene	ND	15	ug/Kg	03/07/14	JLI	SW8260	
o-Xylene	ND	15	ug/Kg	03/07/14	JLI	SW8260	
p-Isopropyltoluene	ND	15	ug/Kg	03/07/14	JLI	SW8260	
sec-Butylbenzene	ND	15	ug/Kg	03/07/14	JLI	SW8260	
Styrene	ND	15	ug/Kg	03/07/14	JLI	SW8260	
tert-Butylbenzene	ND	15	ug/Kg	03/07/14	JLI	SW8260	
Tetrachloroethene	ND	15	ug/Kg	03/07/14	JLI	SW8260	
Tetrahydrofuran (THF)	ND	29	ug/Kg	03/07/14	JLI	SW8260	1
Toluene	ND	15	ug/Kg	03/07/14	JLI	SW8260	
Total Xylenes	ND	15	ug/Kg	03/07/14	JLI	SW8260	
trans-1,2-Dichloroethene	ND	15	ug/Kg	03/07/14	JLI	SW8260	
trans-1,3-Dichloropropene	ND	15	ug/Kg	03/07/14	JLI	SW8260	
trans-1,4-dichloro-2-butene	ND	29	ug/Kg	03/07/14	JLI	SW8260	
Trichloroethene	ND	15	ug/Kg	03/07/14	JLI	SW8260	
Trichlorofluoromethane	ND	15	ug/Kg	03/07/14	JLI	SW8260	
Trichlorotrifluoroethane	ND	15	ug/Kg	03/07/14	JLI	SW8260	
Vinyl chloride	ND	15	ug/Kg	03/07/14	JLI	SW8260	
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	102		%	03/07/14	JLI	70 - 130 %	
% Bromofluorobenzene	103		%	03/07/14	JLI	70 - 130 %	
% Dibromofluoromethane	104		%	03/07/14	JLI	70 - 130 %	
% Toluene-d8	102		%	03/07/14	JLI	70 - 130 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	230	ug/Kg	03/07/14	DD	SW 8270
1,2,4-Trichlorobenzene	ND	230	ug/Kg	03/07/14	DD	SW 8270
1,2-Dichlorobenzene	ND	230	ug/Kg	03/07/14	DD	SW 8270
1,2-Diphenylhydrazine	ND	330	ug/Kg	03/07/14	DD	SW 8270
1,3-Dichlorobenzene	ND	230	ug/Kg	03/07/14	DD	SW 8270
1,4-Dichlorobenzene	ND	230	ug/Kg	03/07/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	230	ug/Kg	03/07/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	230	ug/Kg	03/07/14	DD	SW 8270
2,4-Dichlorophenol	ND	230	ug/Kg	03/07/14	DD	SW 8270
2,4-Dimethylphenol	ND	230	ug/Kg	03/07/14	DD	SW 8270
2,4-Dinitrophenol	ND	530	ug/Kg	03/07/14	DD	SW 8270
2,4-Dinitrotoluene	ND	230	ug/Kg	03/07/14	DD	SW 8270
2,6-Dinitrotoluene	ND	230	ug/Kg	03/07/14	DD	SW 8270
2-Chloronaphthalene	ND	230	ug/Kg	03/07/14	DD	SW 8270
2-Chlorophenol	ND	230	ug/Kg	03/07/14	DD	SW 8270
2-Methylnaphthalene	ND	230	ug/Kg	03/07/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	230	ug/Kg	03/07/14	DD	SW 8270
2-Nitroaniline	ND	530	ug/Kg	03/07/14	DD	SW 8270
2-Nitrophenol	ND	230	ug/Kg	03/07/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	330	ug/Kg	03/07/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	230	ug/Kg	03/07/14	DD	SW 8270
3-Nitroaniline	ND	530	ug/Kg	03/07/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	960	ug/Kg	03/07/14	DD	SW 8270
4-Bromophenyl phenyl ether	ND	330	ug/Kg	03/07/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	230	ug/Kg	03/07/14	DD	SW 8270
4-Chloroaniline	ND	230	ug/Kg	03/07/14	DD	SW 8270

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
4-Chlorophenyl phenyl ether	ND	230	ug/Kg	03/07/14	DD	SW 8270	
4-Nitroaniline	ND	530	ug/Kg	03/07/14	DD	SW 8270	
4-Nitrophenol	ND	960	ug/Kg	03/07/14	DD	SW 8270	
Acenaphthene	ND	230	ug/Kg	03/07/14	DD	SW 8270	
Acenaphthylene	ND	230	ug/Kg	03/07/14	DD	SW 8270	
Acetophenone	ND	230	ug/Kg	03/07/14	DD	SW 8270	
Aniline	ND	960	ug/Kg	03/07/14	DD	SW 8270	
Anthracene	ND	230	ug/Kg	03/07/14	DD	SW 8270	
Benz(a)anthracene	ND	230	ug/Kg	03/07/14	DD	SW 8270	
Benzidine	ND	400	ug/Kg	03/07/14	DD	SW 8270	
Benzo(a)pyrene	ND	230	ug/Kg	03/07/14	DD	SW 8270	
Benzo(b)fluoranthene	ND	230	ug/Kg	03/07/14	DD	SW 8270	
Benzo(ghi)perylene	ND	230	ug/Kg	03/07/14	DD	SW 8270	
Benzo(k)fluoranthene	ND	230	ug/Kg	03/07/14	DD	SW 8270	
Benzoic acid	ND	960	ug/Kg	03/07/14	DD	SW 8270	1
Benzyl butyl phthalate	ND	230	ug/Kg	03/07/14	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	230	ug/Kg	03/07/14	DD	SW 8270	
Bis(2-chloroethyl)ether	ND	330	ug/Kg	03/07/14	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	230	ug/Kg	03/07/14	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND	230	ug/Kg	03/07/14	DD	SW 8270	
Carbazole	ND	500	ug/Kg	03/07/14	DD	SW 8270	
Chrysene	ND	230	ug/Kg	03/07/14	DD	SW 8270	
Dibenz(a,h)anthracene	ND	230	ug/Kg	03/07/14	DD	SW 8270	
Dibenzofuran	ND	230	ug/Kg	03/07/14	DD	SW 8270	
Diethyl phthalate	ND	230	ug/Kg	03/07/14	DD	SW 8270	
Dimethylphthalate	ND	230	ug/Kg	03/07/14	DD	SW 8270	
Di-n-butylphthalate	ND	230	ug/Kg	03/07/14	DD	SW 8270	
Di-n-octylphthalate	ND	230	ug/Kg	03/07/14	DD	SW 8270	
Fluoranthene	ND	230	ug/Kg	03/07/14	DD	SW 8270	
Fluorene	ND	230	ug/Kg	03/07/14	DD	SW 8270	
Hexachlorobenzene	ND	230	ug/Kg	03/07/14	DD	SW 8270	
Hexachlorobutadiene	ND	230	ug/Kg	03/07/14	DD	SW 8270	
Hexachlorocyclopentadiene	ND	230	ug/Kg	03/07/14	DD	SW 8270	
Hexachloroethane	ND	230	ug/Kg	03/07/14	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND	230	ug/Kg	03/07/14	DD	SW 8270	
Isophorone	ND	230	ug/Kg	03/07/14	DD	SW 8270	
Naphthalene	ND	230	ug/Kg	03/07/14	DD	SW 8270	
Nitrobenzene	ND	230	ug/Kg	03/07/14	DD	SW 8270	
N-Nitrosodimethylamine	ND	330	ug/Kg	03/07/14	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	230	ug/Kg	03/07/14	DD	SW 8270	
N-Nitrosodiphenylamine	ND	330	ug/Kg	03/07/14	DD	SW 8270	
Pentachloronitrobenzene	ND	330	ug/Kg	03/07/14	DD	SW 8270	
Pentachlorophenol	ND	330	ug/Kg	03/07/14	DD	SW 8270	
Phenanthrene	ND	230	ug/Kg	03/07/14	DD	SW 8270	
Phenol	ND	230	ug/Kg	03/07/14	DD	SW 8270	
Pyrene	ND	230	ug/Kg	03/07/14	DD	SW 8270	
Pyridine	ND	330	ug/Kg	03/07/14	DD	SW 8270	
QA/QC Surrogates							
% 2,4,6-Tribromophenol	58		%	03/07/14	DD	30 - 130 %	

Project ID: 25-11 & 25-17 38TH AVE
Client ID: SB7 16-18

Phoenix I.D.: BG16444

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
% 2-Fluorobiphenyl	57		%	03/07/14	DD	30 - 130 %
% 2-Fluorophenol	55		%	03/07/14	DD	30 - 130 %
% Nitrobenzene-d5	56		%	03/07/14	DD	30 - 130 %
% Phenol-d5	57		%	03/07/14	DD	30 - 130 %
% Terphenyl-d14	57		%	03/07/14	DD	30 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

Please be advised that the NY unrestricted soil criteria for chromium is based on hexavalent chromium and trivalent chromium.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
March 13, 2014
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 13, 2014

FOR: Attn: Melissa Pryer
Galli Engineering, P.C.
734 Walt Whitman Rd
Suite 402A
Melville, NY 11747

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	MP	03/05/14	12:00
Location Code:	GALLI-ENG	Received by:	LDA	03/06/14	17:00
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG16438
Phoenix ID: BG16445

Project ID: 25-11 & 25-17 38TH AVE
Client ID: SB8 0-2

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Silver	< 0.34	0.34	mg/Kg	03/07/14	LK	SW6010	
Aluminum	10000	51	mg/Kg	03/07/14	LK	SW6010	
Arsenic	< 0.7	0.7	mg/Kg	03/07/14	LK	SW6010	
Barium	58.1	0.34	mg/Kg	03/07/14	LK	SW6010	
Beryllium	0.44	0.27	mg/Kg	03/07/14	LK	SW6010	
Calcium	1700	5.1	mg/Kg	03/07/14	LK	SW6010	
Cadmium	< 0.34	0.34	mg/Kg	03/07/14	LK	SW6010	
Cobalt	8.73	0.34	mg/Kg	03/07/14	LK	SW6010	
Chromium	18.8	0.34	mg/Kg	03/07/14	LK	SW6010	
Copper	24.3	0.34	mg/kg	03/07/14	LK	SW6010	
Iron	16400	51	mg/Kg	03/07/14	LK	SW6010	B
Mercury	< 0.06	0.06	mg/Kg	03/07/14	RS	SW-7471	
Potassium	2560	5.1	mg/Kg	03/07/14	LK	SW6010	
Magnesium	4610	5.1	mg/Kg	03/07/14	LK	SW6010	
Manganese	340	3.4	mg/Kg	03/07/14	LK	SW6010	
Sodium	308	5.1	mg/Kg	03/07/14	LK	SW6010	
Nickel	20.5	0.34	mg/Kg	03/07/14	LK	SW6010	
Lead	3.59	0.34	mg/Kg	03/07/14	LK	SW6010	
Antimony	< 3.4	3.4	mg/Kg	03/07/14	LK	SW6010	
Selenium	< 1.4	1.4	mg/Kg	03/07/14	LK	SW6010	
Thallium	< 3.1	3.1	mg/Kg	03/07/14	LK	SW6010	
Vanadium	26.2	0.34	mg/Kg	03/07/14	LK	SW6010	
Zinc	33.4	0.34	mg/Kg	03/07/14	LK	SW6010	B
Percent Solid	96		%	03/06/14	I	E160.3	
Total Cyanide	< 0.47	0.47	mg/Kg	03/06/14	O/GD	SW 9010/9012	
Soil Extraction for PCB	Completed			03/06/14	BB	SW3545	
Soil Extraction for Pesticide	Completed			03/06/14	BB	SW3545	
Soil Extraction for SVOA	Completed			03/06/14	BB/FV	SW3545	

Project ID: 25-11 & 25-17 38TH AVE
Client ID: SB8 0-2

Phoenix I.D.: BG16445

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Mercury Digestion	Completed			03/07/14	I/I	SW7471	
Total Metals Digest	Completed			03/06/14	CB/AG	SW846 - 3050	
Field Extraction	Completed			03/05/14		SW5035	
Polychlorinated Biphenyls							
PCB-1016	ND	340	ug/Kg	03/07/14	AW	SW 8082	
PCB-1221	ND	340	ug/Kg	03/07/14	AW	SW 8082	
PCB-1232	ND	340	ug/Kg	03/07/14	AW	SW 8082	
PCB-1242	ND	340	ug/Kg	03/07/14	AW	SW 8082	
PCB-1248	ND	340	ug/Kg	03/07/14	AW	SW 8082	
PCB-1254	ND	340	ug/Kg	03/07/14	AW	SW 8082	
PCB-1260	ND	340	ug/Kg	03/07/14	AW	SW 8082	
PCB-1262	ND	340	ug/Kg	03/07/14	AW	SW 8082	
PCB-1268	ND	340	ug/Kg	03/07/14	AW	SW 8082	
QA/QC Surrogates							
% DCBP	110		%	03/07/14	AW	30 - 150 %	
% TCMX	109		%	03/07/14	AW	30 - 150 %	
Pesticides							
4,4' -DDD	ND	6.5	ug/Kg	03/07/14	CE	SW8081	
4,4' -DDE	ND	6.5	ug/Kg	03/07/14	CE	SW8081	
4,4' -DDT	ND	6.5	ug/Kg	03/07/14	CE	SW8081	
a-BHC	ND	3.2	ug/Kg	03/07/14	CE	SW8081	
Alachlor	ND	3.2	ug/Kg	03/07/14	CE	SW8081	1
Aldrin	ND	1.0	ug/Kg	03/07/14	CE	SW8081	
b-BHC	ND	3.2	ug/Kg	03/07/14	CE	SW8081	
Chlordane	ND	10	ug/Kg	03/07/14	CE	SW8081	
d-BHC	ND	3.2	ug/Kg	03/07/14	CE	SW8081	
Dieldrin	ND	1.0	ug/Kg	03/07/14	CE	SW8081	
Endosulfan I	ND	3.2	ug/Kg	03/07/14	CE	SW8081	
Endosulfan II	ND	6.5	ug/Kg	03/07/14	CE	SW8081	
Endosulfan sulfate	ND	6.5	ug/Kg	03/07/14	CE	SW8081	
Endrin	ND	6.5	ug/Kg	03/07/14	CE	SW8081	
Endrin aldehyde	ND	6.5	ug/Kg	03/07/14	CE	SW8081	
Endrin ketone	ND	6.5	ug/Kg	03/07/14	CE	SW8081	
g-BHC	ND	1.0	ug/Kg	03/07/14	CE	SW8081	
Heptachlor	ND	2.0	ug/Kg	03/07/14	CE	SW8081	
Heptachlor epoxide	ND	3.2	ug/Kg	03/07/14	CE	SW8081	
Methoxychlor	ND	32	ug/Kg	03/07/14	CE	SW8081	
Toxaphene	ND	170	ug/Kg	03/07/14	CE	SW8081	
QA/QC Surrogates							
% DCBP	102		%	03/07/14	CE	30 - 150 %	
% TCMX	90		%	03/07/14	CE	30 - 150 %	
Volatiles							
1,1,1,2-Tetrachloroethane	ND	8.4	ug/Kg	03/07/14	JLI	SW8260	
1,1,1-Trichloroethane	ND	8.4	ug/Kg	03/07/14	JLI	SW8260	
1,1,2,2-Tetrachloroethane	ND	5.1	ug/Kg	03/07/14	JLI	SW8260	
1,1,2-Trichloroethane	ND	8.4	ug/Kg	03/07/14	JLI	SW8260	
1,1-Dichloroethane	ND	8.4	ug/Kg	03/07/14	JLI	SW8260	

Project ID: 25-11 & 25-17 38TH AVE
Client ID: SB8 0-2

Phoenix I.D.: BG16445

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
1,1-Dichloroethene	ND	8.4	ug/Kg	03/07/14	JLI	SW8260	
1,1-Dichloropropene	ND	8.4	ug/Kg	03/07/14	JLI	SW8260	
1,2,3-Trichlorobenzene	ND	8.4	ug/Kg	03/07/14	JLI	SW8260	
1,2,3-Trichloropropane	ND	8.4	ug/Kg	03/07/14	JLI	SW8260	
1,2,4-Trichlorobenzene	ND	8.4	ug/Kg	03/07/14	JLI	SW8260	
1,2,4-Trimethylbenzene	ND	8.4	ug/Kg	03/07/14	JLI	SW8260	
1,2-Dibromo-3-chloropropane	ND	8.4	ug/Kg	03/07/14	JLI	SW8260	
1,2-Dibromoethane	ND	8.4	ug/Kg	03/07/14	JLI	SW8260	
1,2-Dichlorobenzene	ND	8.4	ug/Kg	03/07/14	JLI	SW8260	
1,2-Dichloroethane	ND	8.4	ug/Kg	03/07/14	JLI	SW8260	
1,2-Dichloropropane	ND	8.4	ug/Kg	03/07/14	JLI	SW8260	
1,3,5-Trimethylbenzene	ND	8.4	ug/Kg	03/07/14	JLI	SW8260	
1,3-Dichlorobenzene	ND	8.4	ug/Kg	03/07/14	JLI	SW8260	
1,3-Dichloropropane	ND	8.4	ug/Kg	03/07/14	JLI	SW8260	
1,4-Dichlorobenzene	ND	8.4	ug/Kg	03/07/14	JLI	SW8260	
2,2-Dichloropropane	ND	8.4	ug/Kg	03/07/14	JLI	SW8260	
2-Chlorotoluene	ND	8.4	ug/Kg	03/07/14	JLI	SW8260	
2-Hexanone	ND	42	ug/Kg	03/07/14	JLI	SW8260	
2-Isopropyltoluene	ND	8.4	ug/Kg	03/07/14	JLI	SW8260	1
4-Chlorotoluene	ND	8.4	ug/Kg	03/07/14	JLI	SW8260	
4-Methyl-2-pentanone	ND	42	ug/Kg	03/07/14	JLI	SW8260	
Acetone	ND	51	ug/Kg	03/07/14	JLI	SW8260	
Acrylonitrile	ND	8.4	ug/Kg	03/07/14	JLI	SW8260	
Benzene	ND	8.4	ug/Kg	03/07/14	JLI	SW8260	
Bromobenzene	ND	8.4	ug/Kg	03/07/14	JLI	SW8260	
Bromochloromethane	ND	8.4	ug/Kg	03/07/14	JLI	SW8260	
Bromodichloromethane	ND	8.4	ug/Kg	03/07/14	JLI	SW8260	
Bromoform	ND	8.4	ug/Kg	03/07/14	JLI	SW8260	
Bromomethane	ND	8.4	ug/Kg	03/07/14	JLI	SW8260	
Carbon Disulfide	ND	8.4	ug/Kg	03/07/14	JLI	SW8260	
Carbon tetrachloride	ND	8.4	ug/Kg	03/07/14	JLI	SW8260	
Chlorobenzene	ND	8.4	ug/Kg	03/07/14	JLI	SW8260	
Chloroethane	ND	8.4	ug/Kg	03/07/14	JLI	SW8260	
Chloroform	ND	8.4	ug/Kg	03/07/14	JLI	SW8260	
Chloromethane	ND	8.4	ug/Kg	03/07/14	JLI	SW8260	
cis-1,2-Dichloroethene	ND	8.4	ug/Kg	03/07/14	JLI	SW8260	
cis-1,3-Dichloropropene	ND	8.4	ug/Kg	03/07/14	JLI	SW8260	
Dibromochloromethane	ND	5.1	ug/Kg	03/07/14	JLI	SW8260	
Dibromomethane	ND	8.4	ug/Kg	03/07/14	JLI	SW8260	
Dichlorodifluoromethane	ND	8.4	ug/Kg	03/07/14	JLI	SW8260	
Ethylbenzene	ND	8.4	ug/Kg	03/07/14	JLI	SW8260	
Hexachlorobutadiene	ND	8.4	ug/Kg	03/07/14	JLI	SW8260	
Isopropylbenzene	ND	8.4	ug/Kg	03/07/14	JLI	SW8260	
m&p-Xylene	ND	8.4	ug/Kg	03/07/14	JLI	SW8260	
Methyl Ethyl Ketone	ND	51	ug/Kg	03/07/14	JLI	SW8260	
Methyl t-butyl ether (MTBE)	ND	17	ug/Kg	03/07/14	JLI	SW8260	
Methylene chloride	ND	8.4	ug/Kg	03/07/14	JLI	SW8260	
Naphthalene	ND	8.4	ug/Kg	03/07/14	JLI	SW8260	
n-Butylbenzene	ND	8.4	ug/Kg	03/07/14	JLI	SW8260	

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
n-Propylbenzene	ND	8.4	ug/Kg	03/07/14	JLI	SW8260	
o-Xylene	ND	8.4	ug/Kg	03/07/14	JLI	SW8260	
p-Isopropyltoluene	ND	8.4	ug/Kg	03/07/14	JLI	SW8260	
sec-Butylbenzene	ND	8.4	ug/Kg	03/07/14	JLI	SW8260	
Styrene	ND	8.4	ug/Kg	03/07/14	JLI	SW8260	
tert-Butylbenzene	ND	8.4	ug/Kg	03/07/14	JLI	SW8260	
Tetrachloroethene	ND	8.4	ug/Kg	03/07/14	JLI	SW8260	
Tetrahydrofuran (THF)	ND	17	ug/Kg	03/07/14	JLI	SW8260	1
Toluene	ND	8.4	ug/Kg	03/07/14	JLI	SW8260	
Total Xylenes	ND	8.4	ug/Kg	03/07/14	JLI	SW8260	
trans-1,2-Dichloroethene	ND	8.4	ug/Kg	03/07/14	JLI	SW8260	
trans-1,3-Dichloropropene	ND	8.4	ug/Kg	03/07/14	JLI	SW8260	
trans-1,4-dichloro-2-butene	ND	17	ug/Kg	03/07/14	JLI	SW8260	
Trichloroethene	ND	8.4	ug/Kg	03/07/14	JLI	SW8260	
Trichlorofluoromethane	ND	8.4	ug/Kg	03/07/14	JLI	SW8260	
Trichlorotrifluoroethane	ND	8.4	ug/Kg	03/07/14	JLI	SW8260	
Vinyl chloride	ND	8.4	ug/Kg	03/07/14	JLI	SW8260	
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	105		%	03/07/14	JLI	70 - 130 %	
% Bromofluorobenzene	102		%	03/07/14	JLI	70 - 130 %	
% Dibromofluoromethane	109		%	03/07/14	JLI	70 - 130 %	
% Toluene-d8	105		%	03/07/14	JLI	70 - 130 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	240	ug/Kg	03/07/14	DD	SW 8270
1,2,4-Trichlorobenzene	ND	240	ug/Kg	03/07/14	DD	SW 8270
1,2-Dichlorobenzene	ND	240	ug/Kg	03/07/14	DD	SW 8270
1,2-Diphenylhydrazine	ND	340	ug/Kg	03/07/14	DD	SW 8270
1,3-Dichlorobenzene	ND	240	ug/Kg	03/07/14	DD	SW 8270
1,4-Dichlorobenzene	ND	240	ug/Kg	03/07/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	240	ug/Kg	03/07/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	240	ug/Kg	03/07/14	DD	SW 8270
2,4-Dichlorophenol	ND	240	ug/Kg	03/07/14	DD	SW 8270
2,4-Dimethylphenol	ND	240	ug/Kg	03/07/14	DD	SW 8270
2,4-Dinitrophenol	ND	540	ug/Kg	03/07/14	DD	SW 8270
2,4-Dinitrotoluene	ND	240	ug/Kg	03/07/14	DD	SW 8270
2,6-Dinitrotoluene	ND	240	ug/Kg	03/07/14	DD	SW 8270
2-Chloronaphthalene	ND	240	ug/Kg	03/07/14	DD	SW 8270
2-Chlorophenol	ND	240	ug/Kg	03/07/14	DD	SW 8270
2-Methylnaphthalene	ND	240	ug/Kg	03/07/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	240	ug/Kg	03/07/14	DD	SW 8270
2-Nitroaniline	ND	540	ug/Kg	03/07/14	DD	SW 8270
2-Nitrophenol	ND	240	ug/Kg	03/07/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	340	ug/Kg	03/07/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	240	ug/Kg	03/07/14	DD	SW 8270
3-Nitroaniline	ND	540	ug/Kg	03/07/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	980	ug/Kg	03/07/14	DD	SW 8270
4-Bromophenyl phenyl ether	ND	340	ug/Kg	03/07/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	240	ug/Kg	03/07/14	DD	SW 8270
4-Chloroaniline	ND	240	ug/Kg	03/07/14	DD	SW 8270

Project ID: 25-11 & 25-17 38TH AVE
Client ID: SB8 0-2

Phoenix I.D.: BG16445

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
4-Chlorophenyl phenyl ether	ND	240	ug/Kg	03/07/14	DD	SW 8270	
4-Nitroaniline	ND	540	ug/Kg	03/07/14	DD	SW 8270	
4-Nitrophenol	ND	980	ug/Kg	03/07/14	DD	SW 8270	
Acenaphthene	ND	240	ug/Kg	03/07/14	DD	SW 8270	
Acenaphthylene	ND	240	ug/Kg	03/07/14	DD	SW 8270	
Acetophenone	ND	240	ug/Kg	03/07/14	DD	SW 8270	
Aniline	ND	980	ug/Kg	03/07/14	DD	SW 8270	
Anthracene	ND	240	ug/Kg	03/07/14	DD	SW 8270	
Benz(a)anthracene	ND	240	ug/Kg	03/07/14	DD	SW 8270	
Benzidine	ND	410	ug/Kg	03/07/14	DD	SW 8270	
Benzo(a)pyrene	ND	240	ug/Kg	03/07/14	DD	SW 8270	
Benzo(b)fluoranthene	ND	240	ug/Kg	03/07/14	DD	SW 8270	
Benzo(ghi)perylene	ND	240	ug/Kg	03/07/14	DD	SW 8270	
Benzo(k)fluoranthene	ND	240	ug/Kg	03/07/14	DD	SW 8270	
Benzoic acid	ND	980	ug/Kg	03/07/14	DD	SW 8270	1
Benzyl butyl phthalate	ND	240	ug/Kg	03/07/14	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	240	ug/Kg	03/07/14	DD	SW 8270	
Bis(2-chloroethyl)ether	ND	340	ug/Kg	03/07/14	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	240	ug/Kg	03/07/14	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND	240	ug/Kg	03/07/14	DD	SW 8270	
Carbazole	ND	510	ug/Kg	03/07/14	DD	SW 8270	
Chrysene	ND	240	ug/Kg	03/07/14	DD	SW 8270	
Dibenz(a,h)anthracene	ND	240	ug/Kg	03/07/14	DD	SW 8270	
Dibenzofuran	ND	240	ug/Kg	03/07/14	DD	SW 8270	
Diethyl phthalate	ND	240	ug/Kg	03/07/14	DD	SW 8270	
Dimethylphthalate	ND	240	ug/Kg	03/07/14	DD	SW 8270	
Di-n-butylphthalate	ND	240	ug/Kg	03/07/14	DD	SW 8270	
Di-n-octylphthalate	ND	240	ug/Kg	03/07/14	DD	SW 8270	
Fluoranthene	ND	240	ug/Kg	03/07/14	DD	SW 8270	
Fluorene	ND	240	ug/Kg	03/07/14	DD	SW 8270	
Hexachlorobenzene	ND	240	ug/Kg	03/07/14	DD	SW 8270	
Hexachlorobutadiene	ND	240	ug/Kg	03/07/14	DD	SW 8270	
Hexachlorocyclopentadiene	ND	240	ug/Kg	03/07/14	DD	SW 8270	
Hexachloroethane	ND	240	ug/Kg	03/07/14	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND	240	ug/Kg	03/07/14	DD	SW 8270	
Isophorone	ND	240	ug/Kg	03/07/14	DD	SW 8270	
Naphthalene	ND	240	ug/Kg	03/07/14	DD	SW 8270	
Nitrobenzene	ND	240	ug/Kg	03/07/14	DD	SW 8270	
N-Nitrosodimethylamine	ND	340	ug/Kg	03/07/14	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	240	ug/Kg	03/07/14	DD	SW 8270	
N-Nitrosodiphenylamine	ND	340	ug/Kg	03/07/14	DD	SW 8270	
Pentachloronitrobenzene	ND	340	ug/Kg	03/07/14	DD	SW 8270	
Pentachlorophenol	ND	340	ug/Kg	03/07/14	DD	SW 8270	
Phenanthrene	ND	240	ug/Kg	03/07/14	DD	SW 8270	
Phenol	ND	240	ug/Kg	03/07/14	DD	SW 8270	
Pyrene	ND	240	ug/Kg	03/07/14	DD	SW 8270	
Pyridine	ND	340	ug/Kg	03/07/14	DD	SW 8270	
QA/QC Surrogates							
% 2,4,6-Tribromophenol	59		%	03/07/14	DD	30 - 130 %	

Project ID: 25-11 & 25-17 38TH AVE
Client ID: SB8 0-2

Phoenix I.D.: BG16445

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
% 2-Fluorobiphenyl	56		%	03/07/14	DD	30 - 130 %
% 2-Fluorophenol	59		%	03/07/14	DD	30 - 130 %
% Nitrobenzene-d5	57		%	03/07/14	DD	30 - 130 %
% Phenol-d5	60		%	03/07/14	DD	30 - 130 %
% Terphenyl-d14	57		%	03/07/14	DD	30 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

Please be advised that the NY unrestricted soil criteria for chromium is based on hexavalent chromium and trivalent chromium.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
March 13, 2014
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 13, 2014

FOR: Attn: Melissa Pryer
Galli Engineering, P.C.
734 Walt Whitman Rd
Suite 402A
Melville, NY 11747

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	MP	03/05/14	12:30
Location Code:	GALLI-ENG	Received by:	LDA	03/06/14	17:00
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG16438
Phoenix ID: BG16446

Project ID: 25-11 & 25-17 38TH AVE
Client ID: SB8-14-16

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Silver	< 0.36	0.36	mg/Kg	03/07/14	LK	SW6010	
Aluminum	3900	54	mg/Kg	03/07/14	LK	SW6010	
Arsenic	< 0.7	0.7	mg/Kg	03/07/14	LK	SW6010	
Barium	26.7	0.36	mg/Kg	03/07/14	LK	SW6010	
Beryllium	< 0.29	0.29	mg/Kg	03/07/14	LK	SW6010	
Calcium	776	5.4	mg/Kg	03/07/14	LK	SW6010	
Cadmium	< 0.36	0.36	mg/Kg	03/07/14	LK	SW6010	
Cobalt	2.72	0.36	mg/Kg	03/07/14	LK	SW6010	
Chromium	9.37	0.36	mg/Kg	03/07/14	LK	SW6010	
Copper	11.0	0.36	mg/kg	03/07/14	LK	SW6010	
Iron	6770	5.4	mg/Kg	03/07/14	LK	SW6010	B
Mercury	< 0.08	0.08	mg/Kg	03/07/14	RS	SW-7471	
Potassium	813	5.4	mg/Kg	03/07/14	LK	SW6010	
Magnesium	1900	5.4	mg/Kg	03/07/14	LK	SW6010	
Manganese	240	3.6	mg/Kg	03/07/14	LK	SW6010	
Sodium	128	5.4	mg/Kg	03/07/14	LK	SW6010	
Nickel	7.33	0.36	mg/Kg	03/07/14	LK	SW6010	
Lead	2.37	0.36	mg/Kg	03/07/14	LK	SW6010	
Antimony	< 3.6	3.6	mg/Kg	03/07/14	LK	SW6010	
Selenium	< 1.4	1.4	mg/Kg	03/07/14	LK	SW6010	
Thallium	< 3.2	3.2	mg/Kg	03/07/14	LK	SW6010	
Vanadium	13.9	0.36	mg/Kg	03/07/14	LK	SW6010	
Zinc	11.8	0.36	mg/Kg	03/07/14	LK	SW6010	B
Percent Solid	97		%	03/06/14	I	E160.3	
Total Cyanide	< 0.52	0.52	mg/Kg	03/06/14	O/GD	SW 9010/9012	
Soil Extraction for PCB	Completed			03/06/14	BB	SW3545	
Soil Extraction for Pesticide	Completed			03/06/14	BB	SW3545	
Soil Extraction for SVOA	Completed			03/06/14	BB/FV	SW3545	

Project ID: 25-11 & 25-17 38TH AVE
Client ID: SB8-14-16

Phoenix I.D.: BG16446

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Mercury Digestion	Completed			03/07/14	I/I	SW7471	
Total Metals Digest	Completed			03/06/14	CB/AG	SW846 - 3050	
Field Extraction	Completed			03/05/14		SW5035	
Polychlorinated Biphenyls							
PCB-1016	ND	340	ug/Kg	03/07/14	AW	SW 8082	
PCB-1221	ND	340	ug/Kg	03/07/14	AW	SW 8082	
PCB-1232	ND	340	ug/Kg	03/07/14	AW	SW 8082	
PCB-1242	ND	340	ug/Kg	03/07/14	AW	SW 8082	
PCB-1248	ND	340	ug/Kg	03/07/14	AW	SW 8082	
PCB-1254	ND	340	ug/Kg	03/07/14	AW	SW 8082	
PCB-1260	ND	340	ug/Kg	03/07/14	AW	SW 8082	
PCB-1262	ND	340	ug/Kg	03/07/14	AW	SW 8082	
PCB-1268	ND	340	ug/Kg	03/07/14	AW	SW 8082	
QA/QC Surrogates							
% DCBP	104		%	03/07/14	AW	30 - 150 %	
% TCMX	110		%	03/07/14	AW	30 - 150 %	
Pesticides							
4,4' -DDD	ND	6.6	ug/Kg	03/07/14	CE	SW8081	
4,4' -DDE	ND	6.6	ug/Kg	03/07/14	CE	SW8081	
4,4' -DDT	ND	6.6	ug/Kg	03/07/14	CE	SW8081	
a-BHC	ND	3.3	ug/Kg	03/07/14	CE	SW8081	
Alachlor	ND	3.3	ug/Kg	03/07/14	CE	SW8081	1
Aldrin	ND	1.0	ug/Kg	03/07/14	CE	SW8081	
b-BHC	ND	3.3	ug/Kg	03/07/14	CE	SW8081	
Chlordane	ND	10	ug/Kg	03/07/14	CE	SW8081	
d-BHC	ND	3.3	ug/Kg	03/07/14	CE	SW8081	
Dieldrin	ND	1.0	ug/Kg	03/07/14	CE	SW8081	
Endosulfan I	ND	3.3	ug/Kg	03/07/14	CE	SW8081	
Endosulfan II	ND	6.6	ug/Kg	03/07/14	CE	SW8081	
Endosulfan sulfate	ND	6.6	ug/Kg	03/07/14	CE	SW8081	
Endrin	ND	6.6	ug/Kg	03/07/14	CE	SW8081	
Endrin aldehyde	ND	6.6	ug/Kg	03/07/14	CE	SW8081	
Endrin ketone	ND	6.6	ug/Kg	03/07/14	CE	SW8081	
g-BHC	ND	1.0	ug/Kg	03/07/14	CE	SW8081	
Heptachlor	ND	2.1	ug/Kg	03/07/14	CE	SW8081	
Heptachlor epoxide	ND	3.3	ug/Kg	03/07/14	CE	SW8081	
Methoxychlor	ND	33	ug/Kg	03/07/14	CE	SW8081	
Toxaphene	ND	170	ug/Kg	03/07/14	CE	SW8081	
QA/QC Surrogates							
% DCBP	105		%	03/07/14	CE	30 - 150 %	
% TCMX	93		%	03/07/14	CE	30 - 150 %	
Volatiles							
1,1,1,2-Tetrachloroethane	ND	7.5	ug/Kg	03/07/14	JLI	SW8260	
1,1,1-Trichloroethane	ND	7.5	ug/Kg	03/07/14	JLI	SW8260	
1,1,2,2-Tetrachloroethane	ND	4.5	ug/Kg	03/07/14	JLI	SW8260	
1,1,2-Trichloroethane	ND	7.5	ug/Kg	03/07/14	JLI	SW8260	
1,1-Dichloroethane	ND	7.5	ug/Kg	03/07/14	JLI	SW8260	

Project ID: 25-11 & 25-17 38TH AVE
Client ID: SB8-14-16

Phoenix I.D.: BG16446

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
1,1-Dichloroethene	ND	7.5	ug/Kg	03/07/14	JLI	SW8260	
1,1-Dichloropropene	ND	7.5	ug/Kg	03/07/14	JLI	SW8260	
1,2,3-Trichlorobenzene	ND	7.5	ug/Kg	03/07/14	JLI	SW8260	
1,2,3-Trichloropropane	ND	7.5	ug/Kg	03/07/14	JLI	SW8260	
1,2,4-Trichlorobenzene	ND	7.5	ug/Kg	03/07/14	JLI	SW8260	
1,2,4-Trimethylbenzene	ND	7.5	ug/Kg	03/07/14	JLI	SW8260	
1,2-Dibromo-3-chloropropane	ND	7.5	ug/Kg	03/07/14	JLI	SW8260	
1,2-Dibromoethane	ND	7.5	ug/Kg	03/07/14	JLI	SW8260	
1,2-Dichlorobenzene	ND	7.5	ug/Kg	03/07/14	JLI	SW8260	
1,2-Dichloroethane	ND	7.5	ug/Kg	03/07/14	JLI	SW8260	
1,2-Dichloropropane	ND	7.5	ug/Kg	03/07/14	JLI	SW8260	
1,3,5-Trimethylbenzene	ND	7.5	ug/Kg	03/07/14	JLI	SW8260	
1,3-Dichlorobenzene	ND	7.5	ug/Kg	03/07/14	JLI	SW8260	
1,3-Dichloropropane	ND	7.5	ug/Kg	03/07/14	JLI	SW8260	
1,4-Dichlorobenzene	ND	7.5	ug/Kg	03/07/14	JLI	SW8260	
2,2-Dichloropropane	ND	7.5	ug/Kg	03/07/14	JLI	SW8260	
2-Chlorotoluene	ND	7.5	ug/Kg	03/07/14	JLI	SW8260	
2-Hexanone	ND	37	ug/Kg	03/07/14	JLI	SW8260	
2-Isopropyltoluene	ND	7.5	ug/Kg	03/07/14	JLI	SW8260	1
4-Chlorotoluene	ND	7.5	ug/Kg	03/07/14	JLI	SW8260	
4-Methyl-2-pentanone	ND	37	ug/Kg	03/07/14	JLI	SW8260	
Acetone	ND	45	ug/Kg	03/07/14	JLI	SW8260	
Acrylonitrile	ND	7.5	ug/Kg	03/07/14	JLI	SW8260	
Benzene	ND	7.5	ug/Kg	03/07/14	JLI	SW8260	
Bromobenzene	ND	7.5	ug/Kg	03/07/14	JLI	SW8260	
Bromochloromethane	ND	7.5	ug/Kg	03/07/14	JLI	SW8260	
Bromodichloromethane	ND	7.5	ug/Kg	03/07/14	JLI	SW8260	
Bromoform	ND	7.5	ug/Kg	03/07/14	JLI	SW8260	
Bromomethane	ND	7.5	ug/Kg	03/07/14	JLI	SW8260	
Carbon Disulfide	ND	7.5	ug/Kg	03/07/14	JLI	SW8260	
Carbon tetrachloride	ND	7.5	ug/Kg	03/07/14	JLI	SW8260	
Chlorobenzene	ND	7.5	ug/Kg	03/07/14	JLI	SW8260	
Chloroethane	ND	7.5	ug/Kg	03/07/14	JLI	SW8260	
Chloroform	ND	7.5	ug/Kg	03/07/14	JLI	SW8260	
Chloromethane	ND	7.5	ug/Kg	03/07/14	JLI	SW8260	
cis-1,2-Dichloroethene	ND	7.5	ug/Kg	03/07/14	JLI	SW8260	
cis-1,3-Dichloropropene	ND	7.5	ug/Kg	03/07/14	JLI	SW8260	
Dibromochloromethane	ND	4.5	ug/Kg	03/07/14	JLI	SW8260	
Dibromomethane	ND	7.5	ug/Kg	03/07/14	JLI	SW8260	
Dichlorodifluoromethane	ND	7.5	ug/Kg	03/07/14	JLI	SW8260	
Ethylbenzene	ND	7.5	ug/Kg	03/07/14	JLI	SW8260	
Hexachlorobutadiene	ND	7.5	ug/Kg	03/07/14	JLI	SW8260	
Isopropylbenzene	ND	7.5	ug/Kg	03/07/14	JLI	SW8260	
m&p-Xylene	ND	7.5	ug/Kg	03/07/14	JLI	SW8260	
Methyl Ethyl Ketone	ND	45	ug/Kg	03/07/14	JLI	SW8260	
Methyl t-butyl ether (MTBE)	ND	15	ug/Kg	03/07/14	JLI	SW8260	
Methylene chloride	ND	7.5	ug/Kg	03/07/14	JLI	SW8260	
Naphthalene	ND	7.5	ug/Kg	03/07/14	JLI	SW8260	
n-Butylbenzene	ND	7.5	ug/Kg	03/07/14	JLI	SW8260	

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
n-Propylbenzene	ND	7.5	ug/Kg	03/07/14	JLI	SW8260	
o-Xylene	ND	7.5	ug/Kg	03/07/14	JLI	SW8260	
p-Isopropyltoluene	ND	7.5	ug/Kg	03/07/14	JLI	SW8260	
sec-Butylbenzene	ND	7.5	ug/Kg	03/07/14	JLI	SW8260	
Styrene	ND	7.5	ug/Kg	03/07/14	JLI	SW8260	
tert-Butylbenzene	ND	7.5	ug/Kg	03/07/14	JLI	SW8260	
Tetrachloroethene	ND	7.5	ug/Kg	03/07/14	JLI	SW8260	
Tetrahydrofuran (THF)	ND	15	ug/Kg	03/07/14	JLI	SW8260	1
Toluene	ND	7.5	ug/Kg	03/07/14	JLI	SW8260	
Total Xylenes	ND	7.5	ug/Kg	03/07/14	JLI	SW8260	
trans-1,2-Dichloroethene	ND	7.5	ug/Kg	03/07/14	JLI	SW8260	
trans-1,3-Dichloropropene	ND	7.5	ug/Kg	03/07/14	JLI	SW8260	
trans-1,4-dichloro-2-butene	ND	15	ug/Kg	03/07/14	JLI	SW8260	
Trichloroethene	ND	7.5	ug/Kg	03/07/14	JLI	SW8260	
Trichlorofluoromethane	ND	7.5	ug/Kg	03/07/14	JLI	SW8260	
Trichlorotrifluoroethane	ND	7.5	ug/Kg	03/07/14	JLI	SW8260	
Vinyl chloride	ND	7.5	ug/Kg	03/07/14	JLI	SW8260	
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	104		%	03/07/14	JLI	70 - 130 %	
% Bromofluorobenzene	100		%	03/07/14	JLI	70 - 130 %	
% Dibromofluoromethane	94		%	03/07/14	JLI	70 - 130 %	
% Toluene-d8	103		%	03/07/14	JLI	70 - 130 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	240	ug/Kg	03/07/14	DD	SW 8270
1,2,4-Trichlorobenzene	ND	240	ug/Kg	03/07/14	DD	SW 8270
1,2-Dichlorobenzene	ND	240	ug/Kg	03/07/14	DD	SW 8270
1,2-Diphenylhydrazine	ND	340	ug/Kg	03/07/14	DD	SW 8270
1,3-Dichlorobenzene	ND	240	ug/Kg	03/07/14	DD	SW 8270
1,4-Dichlorobenzene	ND	240	ug/Kg	03/07/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	240	ug/Kg	03/07/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	240	ug/Kg	03/07/14	DD	SW 8270
2,4-Dichlorophenol	ND	240	ug/Kg	03/07/14	DD	SW 8270
2,4-Dimethylphenol	ND	240	ug/Kg	03/07/14	DD	SW 8270
2,4-Dinitrophenol	ND	540	ug/Kg	03/07/14	DD	SW 8270
2,4-Dinitrotoluene	ND	240	ug/Kg	03/07/14	DD	SW 8270
2,6-Dinitrotoluene	ND	240	ug/Kg	03/07/14	DD	SW 8270
2-Chloronaphthalene	ND	240	ug/Kg	03/07/14	DD	SW 8270
2-Chlorophenol	ND	240	ug/Kg	03/07/14	DD	SW 8270
2-Methylnaphthalene	ND	240	ug/Kg	03/07/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	240	ug/Kg	03/07/14	DD	SW 8270
2-Nitroaniline	ND	540	ug/Kg	03/07/14	DD	SW 8270
2-Nitrophenol	ND	240	ug/Kg	03/07/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	340	ug/Kg	03/07/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	240	ug/Kg	03/07/14	DD	SW 8270
3-Nitroaniline	ND	540	ug/Kg	03/07/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	990	ug/Kg	03/07/14	DD	SW 8270
4-Bromophenyl phenyl ether	ND	340	ug/Kg	03/07/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	240	ug/Kg	03/07/14	DD	SW 8270
4-Chloroaniline	ND	240	ug/Kg	03/07/14	DD	SW 8270

Project ID: 25-11 & 25-17 38TH AVE
Client ID: SB8-14-16

Phoenix I.D.: BG16446

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
4-Chlorophenyl phenyl ether	ND	240	ug/Kg	03/07/14	DD	SW 8270	
4-Nitroaniline	ND	540	ug/Kg	03/07/14	DD	SW 8270	
4-Nitrophenol	ND	990	ug/Kg	03/07/14	DD	SW 8270	
Acenaphthene	ND	240	ug/Kg	03/07/14	DD	SW 8270	
Acenaphthylene	ND	240	ug/Kg	03/07/14	DD	SW 8270	
Acetophenone	ND	240	ug/Kg	03/07/14	DD	SW 8270	
Aniline	ND	990	ug/Kg	03/07/14	DD	SW 8270	
Anthracene	ND	240	ug/Kg	03/07/14	DD	SW 8270	
Benz(a)anthracene	ND	240	ug/Kg	03/07/14	DD	SW 8270	
Benzidine	ND	410	ug/Kg	03/07/14	DD	SW 8270	
Benzo(a)pyrene	ND	240	ug/Kg	03/07/14	DD	SW 8270	
Benzo(b)fluoranthene	ND	240	ug/Kg	03/07/14	DD	SW 8270	
Benzo(ghi)perylene	ND	240	ug/Kg	03/07/14	DD	SW 8270	
Benzo(k)fluoranthene	ND	240	ug/Kg	03/07/14	DD	SW 8270	
Benzoic acid	ND	990	ug/Kg	03/07/14	DD	SW 8270	1
Benzyl butyl phthalate	ND	240	ug/Kg	03/07/14	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	240	ug/Kg	03/07/14	DD	SW 8270	
Bis(2-chloroethyl)ether	ND	340	ug/Kg	03/07/14	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	240	ug/Kg	03/07/14	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND	240	ug/Kg	03/07/14	DD	SW 8270	
Carbazole	ND	510	ug/Kg	03/07/14	DD	SW 8270	
Chrysene	ND	240	ug/Kg	03/07/14	DD	SW 8270	
Dibenz(a,h)anthracene	ND	240	ug/Kg	03/07/14	DD	SW 8270	
Dibenzofuran	ND	240	ug/Kg	03/07/14	DD	SW 8270	
Diethyl phthalate	ND	240	ug/Kg	03/07/14	DD	SW 8270	
Dimethylphthalate	ND	240	ug/Kg	03/07/14	DD	SW 8270	
Di-n-butylphthalate	ND	240	ug/Kg	03/07/14	DD	SW 8270	
Di-n-octylphthalate	ND	240	ug/Kg	03/07/14	DD	SW 8270	
Fluoranthene	ND	240	ug/Kg	03/07/14	DD	SW 8270	
Fluorene	ND	240	ug/Kg	03/07/14	DD	SW 8270	
Hexachlorobenzene	ND	240	ug/Kg	03/07/14	DD	SW 8270	
Hexachlorobutadiene	ND	240	ug/Kg	03/07/14	DD	SW 8270	
Hexachlorocyclopentadiene	ND	240	ug/Kg	03/07/14	DD	SW 8270	
Hexachloroethane	ND	240	ug/Kg	03/07/14	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND	240	ug/Kg	03/07/14	DD	SW 8270	
Isophorone	ND	240	ug/Kg	03/07/14	DD	SW 8270	
Naphthalene	ND	240	ug/Kg	03/07/14	DD	SW 8270	
Nitrobenzene	ND	240	ug/Kg	03/07/14	DD	SW 8270	
N-Nitrosodimethylamine	ND	340	ug/Kg	03/07/14	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	240	ug/Kg	03/07/14	DD	SW 8270	
N-Nitrosodiphenylamine	ND	340	ug/Kg	03/07/14	DD	SW 8270	
Pentachloronitrobenzene	ND	340	ug/Kg	03/07/14	DD	SW 8270	
Pentachlorophenol	ND	340	ug/Kg	03/07/14	DD	SW 8270	
Phenanthrene	ND	240	ug/Kg	03/07/14	DD	SW 8270	
Phenol	ND	240	ug/Kg	03/07/14	DD	SW 8270	
Pyrene	ND	240	ug/Kg	03/07/14	DD	SW 8270	
Pyridine	ND	340	ug/Kg	03/07/14	DD	SW 8270	
QA/QC Surrogates							
% 2,4,6-Tribromophenol	68		%	03/07/14	DD	30 - 130 %	

Project ID: 25-11 & 25-17 38TH AVE
Client ID: SB8-14-16

Phoenix I.D.: BG16446

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
% 2-Fluorobiphenyl	68		%	03/07/14	DD	30 - 130 %
% 2-Fluorophenol	66		%	03/07/14	DD	30 - 130 %
% Nitrobenzene-d5	67		%	03/07/14	DD	30 - 130 %
% Phenol-d5	69		%	03/07/14	DD	30 - 130 %
% Terphenyl-d14	71		%	03/07/14	DD	30 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

Please be advised that the NY unrestricted soil criteria for chromium is based on hexavalent chromium and trivalent chromium.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
March 13, 2014
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

PHOENIX

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

QA/QC Report

March 13, 2014

QA/QC Data

SDG I.D.: GBG16438

QA/QC Batch 268102, QC Sample No: BG15402 (BG16440, BG16441, BG16442, BG16443, BG16444, BG16445, BG16446)

ICP Metals - Soil

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Aluminum	BRL	6310	6990	10.2	96.8	94.5	2.4	NC	NC	NC	75 - 125	30	
Antimony	BRL	<4.4	<4.4	NC	101	98.1	2.9	97.4	97.2	0.2	75 - 125	30	
Arsenic	BRL	3.1	3.10	NC	95.2	95.1	0.1	92.7	93.4	0.8	75 - 125	30	
Barium	BRL	93.6	99.7	6.30	94.7	93.5	1.3	104	99.5	4.4	75 - 125	30	
Beryllium	BRL	<0.35	0.40	NC	93.6	93.0	0.6	97.1	97.3	0.2	75 - 125	30	
Cadmium	BRL	<0.44	0.62	NC	95.6	95.3	0.3	95.6	96.4	0.8	75 - 125	30	
Calcium	BRL	4320	5840	29.9	94.7	101	6.4	NC	NC	NC	75 - 125	30	
Chromium	BRL	17.1	18.0	5.10	96.3	96.0	0.3	102	102	0.0	75 - 125	30	
Cobalt	BRL	4.14	4.55	9.40	92.3	92.7	0.4	95.5	94.9	0.6	75 - 125	30	
Copper	BRL	54.5	60.8	10.9	92.0	92.0	0.0	101	101	0.0	75 - 125	30	
Iron	13.3	13800	13900	0.70	98.2	96.5	1.7	NC	NC	NC	75 - 125	30	
Lead	BRL	81.0	85.9	5.90	95.3	96.2	0.9	95.3	97.2	2.0	75 - 125	30	
Magnesium	BRL	2570	2740	6.40	93.5	90.6	3.2	NC	NC	NC	75 - 125	30	
Manganese	BRL	378	473	22.3	100	95.2	4.9	>130	107	NC	75 - 125	30	m
Nickel	BRL	10.8	10.7	0.90	90.3	90.7	0.4	93.6	92.6	1.1	75 - 125	30	
Potassium	BRL	1510	1590	5.20	93.2	92.5	0.8	>130	>130	NC	75 - 125	30	m
Selenium	BRL	3.3	<1.8	NC	93.1	91.1	2.2	80.1	81.3	1.5	75 - 125	30	
Silver	BRL	<0.44	<0.44	NC	90.2	90.9	0.8	97.4	97.7	0.3	75 - 125	30	
Sodium	BRL	1110	1150	3.50	87.3	88.4	1.3	NC	NC	NC	75 - 125	30	
Thallium	BRL	<3.9	<3.9	NC	96.4	96.1	0.3	98.9	98.8	0.1	75 - 125	30	
Vanadium	BRL	24.9	26.8	7.40	97.4	96.2	1.2	102	102	0.0	75 - 125	30	
Zinc	0.45	92.6	95.3	2.90	105	98.4	6.5	89.2	88.3	1.0	75 - 125	30	

QA/QC Batch 268212, QC Sample No: BG16301 (BG16438, BG16439)

ICP Metals - Soil

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Aluminum	BRL	6730	5530	19.6	108	99.3	8.4	NC	NC	NC	75 - 125	30	
Antimony	BRL	<3.3	<3.3	NC	91.4	88.6	3.1	93.8	92.3	1.6	75 - 125	30	
Arsenic	BRL	0.8	<0.66	NC	96.1	92.7	3.6	86.2	86.1	0.1	75 - 125	30	
Barium	BRL	40.9	30.7	28.5	112	102	9.3	95.9	101	5.2	75 - 125	30	
Beryllium	BRL	0.28	<0.27	NC	104	98.3	5.6	97.9	97.6	0.3	75 - 125	30	
Cadmium	BRL	<0.33	<0.33	NC	95.5	89.6	6.4	90.5	89.9	0.7	75 - 125	30	
Calcium	BRL	1520	1000	41.3	106	96.6	9.3	NC	NC	NC	75 - 125	30	r
Chromium	BRL	13.7	12.2	11.6	101	94.8	6.3	95.8	94.2	1.7	75 - 125	30	
Cobalt	BRL	5.54	4.04	31.3	103	97.1	5.9	95.2	95.7	0.5	75 - 125	30	r
Copper	BRL	271	220	20.8	101	95.1	6.0	62.9	75.1	17.7	75 - 125	30	m
Iron	BRL	14400	11500	22.4	105	99.8	5.1	NC	NC	NC	75 - 125	30	
Lead	BRL	36.6	30.9	16.9	99.4	92.4	7.3	90.2	89.1	1.2	75 - 125	30	
Magnesium	BRL	3120	2440	24.5	106	101	4.8	NC	NC	NC	75 - 125	30	
Manganese	BRL	144	139	3.50	104	97.6	6.3	107	98.3	8.5	75 - 125	30	
Nickel	BRL	57.7	50.8	12.7	102	96.0	6.1	88.4	90.7	2.6	75 - 125	30	
Potassium	BRL	1550	1270	19.9	115	107	7.2	88.3	>130	NC	75 - 125	30	m
Selenium	BRL	<1.3	<1.3	NC	92.5	89.9	2.9	76.0	76.3	0.4	75 - 125	30	

QA/QC Data

SDG I.D.: GBG16438

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Silver	BRL	<0.33	<0.33	NC	99.9	95.2	4.8	95.6	95.5	0.1	75 - 125	30	
Sodium	BRL	1470	1260	15.4	112	102	9.3	NC	NC	NC	75 - 125	30	
Thallium	BRL	<3.0	<3.0	NC	102	94.4	7.7	91.4	90.9	0.5	75 - 125	30	
Vanadium	BRL	22.7	15.8	35.8	103	95.9	7.1	95.5	94.1	1.5	75 - 125	30	r
Zinc	BRL	55.1	49.1	11.5	97.1	91.0	6.5	88.9	91.1	2.4	75 - 125	30	
QA/QC Batch 268263, QC Sample No: BG16440 (BG16438, BG16439, BG16440, BG16441, BG16442, BG16443, BG16444, BG16445, BG16446)													
Mercury - Soil	BRL	<0.09	<0.07	NC	98.6	94.5	4.2	114	108	5.4	70 - 130	30	

Comment:

Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%.

m = This parameter is outside laboratory ms/msd specified recovery limits.
r = This parameter is outside laboratory rpd specified recovery limits.

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QA/QC Report

March 13, 2014

QA/QC Data

SDG I.D.: GBG16438

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 268254, QC Sample No: BG16443 (BG16438, BG16439, BG16440, BG16441, BG16442, BG16443, BG16444, BG16445, BG16446)												
Total Cyanide	BRL	<0.51	<0.51	NC	93.7			101			85 - 115	30

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QA/QC Report

March 13, 2014

QA/QC Data

SDG I.D.: GBG16438

QA/QC Batch 268328, QC Sample No: BG16440 (BG16439, BG16440 (50, 1X) , BG16441, BG16442, BG16443, BG16444, BG16445, BG16446)

Volatiles - Soil

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
1,1,1,2-Tetrachloroethane	ND	102	98	4.0	111	108	2.7	70 - 130	30	
1,1,1-Trichloroethane	ND	98	100	2.0	106	106	0.0	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	83	75	10.1	90	95	5.4	70 - 130	30	
1,1,2-Trichloroethane	ND	99	90	9.5	102	102	0.0	70 - 130	30	
1,1-Dichloroethane	ND	101	85	17.2	94	108	13.9	70 - 130	30	
1,1-Dichloroethene	ND	89	92	3.3	102	95	7.1	70 - 130	30	
1,1-Dichloropropene	ND	96	98	2.1	115	107	7.2	70 - 130	30	
1,2,3-Trichlorobenzene	ND	94	85	10.1	102	105	2.9	70 - 130	30	
1,2,3-Trichloropropane	ND	92	83	10.3	97	98	1.0	70 - 130	30	
1,2,4-Trichlorobenzene	ND	95	90	5.4	111	113	1.8	70 - 130	30	
1,2,4-Trimethylbenzene	ND	98	101	3.0	113	105	7.3	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	89	78	13.2	82	93	12.6	70 - 130	30	
1,2-Dibromoethane	ND	101	91	10.4	102	105	2.9	70 - 130	30	
1,2-Dichlorobenzene	ND	91	89	2.2	106	104	1.9	70 - 130	30	
1,2-Dichloroethane	ND	108	99	8.7	114	115	0.9	70 - 130	30	
1,2-Dichloropropane	ND	95	91	4.3	102	102	0.0	70 - 130	30	
1,3,5-Trimethylbenzene	ND	95	97	2.1	112	105	6.5	70 - 130	30	
1,3-Dichlorobenzene	ND	91	90	1.1	109	106	2.8	70 - 130	30	
1,3-Dichloropropane	ND	99	88	11.8	102	104	1.9	70 - 130	30	
1,4-Dichlorobenzene	ND	88	88	0.0	107	103	3.8	70 - 130	30	
2,2-Dichloropropane	ND	107	95	11.9	109	117	7.1	70 - 130	30	
2-Chlorotoluene	ND	90	90	0.0	106	101	4.8	70 - 130	30	
2-Hexanone	ND	97	85	13.2	86	94	8.9	70 - 130	30	
2-Isopropyltoluene	ND	95	97	2.1	113	106	6.4	70 - 130	30	
4-Chlorotoluene	ND	91	91	0.0	109	103	5.7	70 - 130	30	
4-Methyl-2-pentanone	ND	103	88	15.7	97	107	9.8	70 - 130	30	
Acetone	ND	79	83	4.9	73	81	10.4	70 - 130	30	
Acrylonitrile	ND	97	68	35.2	80	114	35.1	70 - 130	30	l,r
Benzene	ND	90	91	1.1	104	99	4.9	70 - 130	30	
Bromobenzene	ND	91	88	3.4	103	102	1.0	70 - 130	30	
Bromochloromethane	ND	95	79	18.4	93	109	15.8	70 - 130	30	
Bromodichloromethane	ND	100	96	4.1	109	106	2.8	70 - 130	30	
Bromoform	ND	102	91	11.4	103	106	2.9	70 - 130	30	
Bromomethane	ND	95	91	4.3	77	69	11.0	70 - 130	30	m
Carbon Disulfide	ND	80	85	6.1	98	88	10.8	70 - 130	30	
Carbon tetrachloride	ND	101	102	1.0	103	108	4.7	70 - 130	30	
Chlorobenzene	ND	93	92	1.1	107	103	3.8	70 - 130	30	
Chloroethane	ND	88	99	11.8	64	62	3.2	70 - 130	30	m
Chloroform	ND	99	84	16.4	98	107	8.8	70 - 130	30	
Chloromethane	ND	77	79	2.6	79	86	8.5	70 - 130	30	

QA/QC Data

SDG I.D.: GBG16438

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
cis-1,2-Dichloroethene	ND	97	87	10.9	97	107	9.8	70 - 130	30	
cis-1,3-Dichloropropene	ND	101	92	9.3	111	110	0.9	70 - 130	30	
Dibromochloromethane	ND	102	93	9.2	106	107	0.9	70 - 130	30	
Dibromomethane	ND	96	90	6.5	102	103	1.0	70 - 130	30	
Dichlorodifluoromethane	ND	76	84	10.0	97	94	3.1	70 - 130	30	
Ethylbenzene	ND	91	93	2.2	108	102	5.7	70 - 130	30	
Hexachlorobutadiene	ND	95	99	4.1	116	112	3.5	70 - 130	30	
Isopropylbenzene	ND	92	97	5.3	108	103	4.7	70 - 130	30	
m&p-Xylene	ND	95	96	1.0	112	105	6.5	70 - 130	30	
Methyl ethyl ketone	ND	83	71	15.6	85	91	6.8	70 - 130	30	
Methyl t-butyl ether (MTBE)	ND	95	87	8.8	110	110	0.0	70 - 130	30	
Methylene chloride	ND	87	84	3.5	99	97	2.0	70 - 130	30	
Naphthalene	ND	99	87	12.9	97	106	8.9	70 - 130	30	
n-Butylbenzene	ND	95	100	5.1	116	108	7.1	70 - 130	30	
n-Propylbenzene	ND	94	98	4.2	108	100	7.7	70 - 130	30	
o-Xylene	ND	95	94	1.1	112	105	6.5	70 - 130	30	
p-Isopropyltoluene	ND	96	100	4.1	115	107	7.2	70 - 130	30	
sec-Butylbenzene	ND	90	95	5.4	111	103	7.5	70 - 130	30	
Styrene	ND	95	93	2.1	111	105	5.6	70 - 130	30	
tert-Butylbenzene	ND	96	101	5.1	113	105	7.3	70 - 130	30	
Tetrachloroethene	ND	91	97	6.4	111	106	4.6	70 - 130	30	
Tetrahydrofuran (THF)	ND	89	77	14.5	76	96	23.3	70 - 130	30	
Toluene	ND	93	92	1.1	106	102	3.8	70 - 130	30	
trans-1,2-Dichloroethene	ND	90	93	3.3	109	103	5.7	70 - 130	30	
trans-1,3-Dichloropropene	ND	103	95	8.1	115	115	0.0	70 - 130	30	
trans-1,4-dichloro-2-butene	ND	91	82	10.4	94	104	10.1	70 - 130	30	
Trichloroethene	ND	95	99	4.1	109	103	5.7	70 - 130	30	
Trichlorofluoromethane	ND	93	98	5.2	44	41	7.1	70 - 130	30	m
Trichlorotrifluoroethane	ND	96	100	4.1	114	103	10.1	70 - 130	30	
Vinyl chloride	ND	80	87	8.4	95	93	2.1	70 - 130	30	
% 1,2-dichlorobenzene-d4	102	102	101	1.0	101	102	1.0	70 - 130	30	
% Bromofluorobenzene	102	107	107	0.0	108	106	1.9	70 - 130	30	
% Dibromofluoromethane	96	99	98	1.0	87	99	12.9	70 - 130	30	
% Toluene-d8	101	102	99	3.0	102	100	2.0	70 - 130	30	

Comment:

Additional 8260 criteria: 10% of LCS/LCSD compounds can be outside of acceptance criteria as long as recovery is 40-160%.

QA/QC Batch 268229, QC Sample No: BG16441 (BG16438, BG16439, BG16440, BG16441, BG16442, BG16443, BG16444, BG16445, BG16446)

Pesticides - Soil

4,4' -DDD	ND	112		104	105	1.0	40 - 140	30	
4,4' -DDE	ND	107		97	99	2.0	40 - 140	30	
4,4' -DDT	ND	102		94	95	1.1	40 - 140	30	
a-BHC	ND	106		92	96	4.3	40 - 140	30	
a-Chlordane	ND	103		94	95	1.1	40 - 140	30	
Alachlor	ND	NA		NA	NA	NC	40 - 140	30	
Aldrin	ND	102		91	94	3.2	40 - 140	30	
b-BHC	ND	98		93	95	2.1	40 - 140	30	
Chlordane	ND	NA		NA	NA	NC	40 - 140	30	
d-BHC	ND	90		84	85	1.2	40 - 140	30	
Dieldrin	ND	103		95	96	1.0	40 - 140	30	
Endosulfan I	ND	100		94	95	1.1	40 - 140	30	
Endosulfan II	ND	92		96	96	0.0	40 - 140	30	

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Endosulfan sulfate	ND	75			85	83	2.4	40 - 140	30	
Endrin	ND	106			98	99	1.0	40 - 140	30	
Endrin aldehyde	ND	71			92	92	0.0	40 - 140	30	
Endrin ketone	ND	95			95	95	0.0	40 - 140	30	
g-BHC	ND	108			96	100	4.1	40 - 140	30	
g-Chlordane	ND	106			97	97	0.0	40 - 140	30	
Heptachlor	ND	111			97	102	5.0	40 - 140	30	
Heptachlor epoxide	ND	102			94	96	2.1	40 - 140	30	
Methoxychlor	ND	118			110	112	1.8	40 - 140	30	
Toxaphene	ND	NA			NA	NA	NC	40 - 140	30	
% DCBP	108	100			92	92	0.0	30 - 150	30	
% TCMX	96	96			83	87	4.7	30 - 150	30	

Comment:

Pesticides: No LCSD reported for this batch.

QA/QC Batch 268232, QC Sample No: BG16441 (BG16438, BG16439, BG16440, BG16441, BG16442, BG16443, BG16444, BG16445, BG16446)

Polychlorinated Biphenyls - Soil

PCB-1016	ND	96	99	3.1	98	93	5.2	40 - 140	30	
PCB-1221	ND							40 - 140	30	
PCB-1232	ND							40 - 140	30	
PCB-1242	ND							40 - 140	30	
PCB-1248	ND							40 - 140	30	
PCB-1254	ND							40 - 140	30	
PCB-1260	ND	99	101	2.0	103	96	7.0	40 - 140	30	
PCB-1262	ND							40 - 140	30	
PCB-1268	ND							40 - 140	30	
% DCBP (Surrogate Rec)	105	104	105	1.0	108	100	7.7	30 - 150	30	
% TCMX (Surrogate Rec)	104	106	110	3.7	108	104	3.8	30 - 150	30	

QA/QC Batch 268233, QC Sample No: BG16441 (BG16438, BG16439, BG16440, BG16441, BG16442, BG16443, BG16444, BG16445, BG16446)

Semivolatiles - Soil

1,2,4,5-Tetrachlorobenzene	ND	70	69	1.4	73	71	2.8	30 - 130	30	
1,2,4-Trichlorobenzene	ND	67	65	3.0	69	66	4.4	30 - 130	30	
1,2-Dichlorobenzene	ND	65	63	3.1	66	63	4.7	30 - 130	30	
1,2-Diphenylhydrazine	ND	67	68	1.5	68	68	0.0	30 - 130	30	
1,3-Dichlorobenzene	ND	64	62	3.2	66	62	6.3	30 - 130	30	
1,4-Dichlorobenzene	ND	64	62	3.2	65	62	4.7	30 - 130	30	
2,4,5-Trichlorophenol	ND	79	78	1.3	83	81	2.4	30 - 130	30	
2,4,6-Trichlorophenol	ND	81	78	3.8	84	81	3.6	30 - 130	30	
2,4-Dichlorophenol	ND	73	71	2.8	75	73	2.7	30 - 130	30	
2,4-Dimethylphenol	ND	47	47	0.0	42	44	4.7	30 - 130	30	
2,4-Dinitrophenol	ND	17	<5	NC	8.4	6.1	31.7	30 - 130	30	l,m,r
2,4-Dinitrotoluene	ND	73	73	0.0	77	76	1.3	30 - 130	30	
2,6-Dinitrotoluene	ND	74	75	1.3	78	77	1.3	30 - 130	30	
2-Chloronaphthalene	ND	73	73	0.0	76	72	5.4	30 - 130	30	
2-Chlorophenol	ND	68	67	1.5	70	67	4.4	30 - 130	30	
2-Methylnaphthalene	ND	70	69	1.4	72	70	2.8	30 - 130	30	
2-Methylphenol (o-cresol)	ND	63	62	1.6	61	60	1.7	30 - 130	30	
2-Nitroaniline	ND	105	108	2.8	105	109	3.7	30 - 130	30	
2-Nitrophenol	ND	71	69	2.9	73	72	1.4	30 - 130	30	
3&4-Methylphenol (m&p-cresol)	ND	66	65	1.5	63	62	1.6	30 - 130	30	
3,3'-Dichlorobenzidine	ND	104	100	3.9	97	94	3.1	30 - 130	30	

QA/QC Data

SDG I.D.: GBG16438

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
3-Nitroaniline	ND	91	93	2.2	92	90	2.2	30 - 130	30	
4,6-Dinitro-2-methylphenol	ND	60	25	82.4	79	82	3.7	30 - 130	30	l,r
4-Bromophenyl phenyl ether	ND	74	74	0.0	78	76	2.6	30 - 130	30	
4-Chloro-3-methylphenol	ND	73	74	1.4	75	74	1.3	30 - 130	30	
4-Chloroaniline	ND	50	53	5.8	50	49	2.0	30 - 130	30	
4-Chlorophenyl phenyl ether	ND	72	71	1.4	75	73	2.7	30 - 130	30	
4-Nitroaniline	ND	72	77	6.7	75	74	1.3	30 - 130	30	
4-Nitrophenol	ND	75	74	1.3	79	79	0.0	30 - 130	30	
Acenaphthene	ND	70	68	2.9	72	70	2.8	30 - 130	30	
Acenaphthylene	ND	69	69	0.0	72	69	4.3	30 - 130	30	
Acetophenone	ND	72	71	1.4	73	71	2.8	30 - 130	30	
Aniline	ND	75	73	2.7	70	66	5.9	30 - 130	30	
Anthracene	ND	73	71	2.8	75	74	1.3	30 - 130	30	
Benz(a)anthracene	ND	73	72	1.4	76	74	2.7	30 - 130	30	
Benzidine	ND	52	52	0.0	13	9.9	27.1	30 - 130	30	m
Benzo(a)pyrene	ND	66	65	1.5	70	68	2.9	30 - 130	30	
Benzo(b)fluoranthene	ND	74	74	0.0	78	77	1.3	30 - 130	30	
Benzo(ghi)perylene	ND	75	73	2.7	77	76	1.3	30 - 130	30	
Benzo(k)fluoranthene	ND	75	73	2.7	80	76	5.1	30 - 130	30	
Benzyl butyl phthalate	ND	73	73	0.0	76	74	2.7	30 - 130	30	
Bis(2-chloroethoxy)methane	ND	66	66	0.0	68	65	4.5	30 - 130	30	
Bis(2-chloroethyl)ether	ND	63	62	1.6	64	60	6.5	30 - 130	30	
Bis(2-chloroisopropyl)ether	ND	61	61	0.0	61	58	5.0	30 - 130	30	
Bis(2-ethylhexyl)phthalate	ND	70	70	0.0	73	71	2.8	30 - 130	30	
Carbazole	ND	79	78	1.3	82	79	3.7	30 - 130	30	
Chrysene	ND	73	72	1.4	76	74	2.7	30 - 130	30	
Dibenz(a,h)anthracene	ND	75	74	1.3	78	77	1.3	30 - 130	30	
Dibenzofuran	ND	70	70	0.0	73	71	2.8	30 - 130	30	
Diethyl phthalate	ND	70	70	0.0	71	71	0.0	30 - 130	30	
Dimethylphthalate	ND	71	72	1.4	74	73	1.4	30 - 130	30	
Di-n-butylphthalate	ND	74	73	1.4	76	75	1.3	30 - 130	30	
Di-n-octylphthalate	ND	64	63	1.6	65	64	1.6	30 - 130	30	
Fluoranthene	ND	79	77	2.6	84	82	2.4	30 - 130	30	
Fluorene	ND	71	71	0.0	73	72	1.4	30 - 130	30	
Hexachlorobenzene	ND	71	71	0.0	73	72	1.4	30 - 130	30	
Hexachlorobutadiene	ND	67	65	3.0	70	67	4.4	30 - 130	30	
Hexachlorocyclopentadiene	ND	53	51	3.8	56	54	3.6	30 - 130	30	
Hexachloroethane	ND	63	61	3.2	63	61	3.2	30 - 130	30	
Indeno(1,2,3-cd)pyrene	ND	75	73	2.7	77	76	1.3	30 - 130	30	
Isophorone	ND	69	70	1.4	71	69	2.9	30 - 130	30	
Naphthalene	ND	66	66	0.0	69	66	4.4	30 - 130	30	
Nitrobenzene	ND	65	65	0.0	65	64	1.6	30 - 130	30	
N-Nitrosodimethylamine	ND	61	59	3.3	61	57	6.8	30 - 130	30	
N-Nitrosodi-n-propylamine	ND	66	67	1.5	67	63	6.2	30 - 130	30	
N-Nitrosodiphenylamine	ND	81	81	0.0	83	83	0.0	30 - 130	30	
Pentachloronitrobenzene	ND	77	77	0.0	81	80	1.2	30 - 130	30	
Pentachlorophenol	ND	75	61	20.6	90	89	1.1	30 - 130	30	
Phenanthrene	ND	73	72	1.4	76	75	1.3	30 - 130	30	
Phenol	ND	69	67	2.9	69	67	2.9	30 - 130	30	
Pyrene	ND	81	79	2.5	87	83	4.7	30 - 130	30	
Pyridine	ND	55	52	5.6	52	47	10.1	30 - 130	30	
% 2,4,6-Tribromophenol	58	76	74	2.7	77	73	5.3	30 - 130	30	
% 2-Fluorobiphenyl	52	70	68	2.9	73	70	4.2	30 - 130	30	

QA/QC Data

SDG I.D.: GBG16438

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
% 2-Fluorophenol	51	66	62	6.3	67	63	6.2	30 - 130	30	
% Nitrobenzene-d5	49	63	61	3.2	63	61	3.2	30 - 130	30	
% Phenol-d5	52	67	64	4.6	68	65	4.5	30 - 130	30	
% Terphenyl-d14	61	86	82	4.8	92	89	3.3	30 - 130	30	

Comment:

Additional 8270 criteria: 20% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. (Acid surrogates acceptance range for aqueous samples: 15-110%, for soils 30-130%)

QA/QC Batch 268423, QC Sample No: BG16697 (BG16438)

Volatiles - Soil

1,1,1,2-Tetrachloroethane	ND	107	104	2.8	106	103	2.9	70 - 130	30	
1,1,1-Trichloroethane	ND	105	104	1.0	102	100	2.0	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	81	76	6.4	89	81	9.4	70 - 130	30	
1,1,2-Trichloroethane	ND	99	93	6.3	99	93	6.3	70 - 130	30	
1,1-Dichloroethane	ND	105	86	19.9	101	83	19.6	70 - 130	30	
1,1-Dichloroethene	ND	90	89	1.1	92	89	3.3	70 - 130	30	
1,1-Dichloropropene	ND	99	99	0.0	97	99	2.0	70 - 130	30	
1,2,3-Trichlorobenzene	ND	88	85	3.5	95	87	8.8	70 - 130	30	
1,2,3-Trichloropropane	ND	90	83	8.1	94	87	7.7	70 - 130	30	
1,2,4-Trichlorobenzene	ND	86	85	1.2	99	93	6.3	70 - 130	30	
1,2,4-Trimethylbenzene	ND	97	98	1.0	96	96	0.0	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	86	79	8.5	91	80	12.9	70 - 130	30	
1,2-Dibromoethane	ND	99	95	4.1	104	95	9.0	70 - 130	30	
1,2-Dichlorobenzene	ND	90	89	1.1	95	92	3.2	70 - 130	30	
1,2-Dichloroethane	ND	110	105	4.7	114	111	2.7	70 - 130	30	
1,2-Dichloropropane	ND	97	93	4.2	94	92	2.2	70 - 130	30	
1,3,5-Trimethylbenzene	ND	94	97	3.1	97	97	0.0	70 - 130	30	
1,3-Dichlorobenzene	ND	86	88	2.3	94	92	2.2	70 - 130	30	
1,3-Dichloropropane	ND	98	93	5.2	99	94	5.2	70 - 130	30	
1,4-Dichlorobenzene	ND	85	85	0.0	94	92	2.2	70 - 130	30	
2,2-Dichloropropane	ND	113	96	16.3	115	98	16.0	70 - 130	30	
2-Chlorotoluene	ND	88	88	0.0	91	91	0.0	70 - 130	30	
2-Hexanone	ND	93	92	1.1	95	85	11.1	70 - 130	30	
2-Isopropyltoluene	ND	96	97	1.0	97	97	0.0	70 - 130	30	
4-Chlorotoluene	ND	88	88	0.0	92	91	1.1	70 - 130	30	
4-Methyl-2-pentanone	ND	99	92	7.3	104	95	9.0	70 - 130	30	
Acetone	ND	82	88	7.1	75	79	5.2	70 - 130	30	
Acrylonitrile	ND	96	66	37.0	100	72	32.6	70 - 130	30	l,r
Benzene	ND	93	91	2.2	89	91	2.2	70 - 130	30	
Bromobenzene	ND	89	87	2.3	93	90	3.3	70 - 130	30	
Bromochloromethane	ND	96	87	9.8	99	85	15.2	70 - 130	30	
Bromodichloromethane	ND	102	98	4.0	109	106	2.8	70 - 130	30	
Bromoform	ND	104	97	7.0	106	101	4.8	70 - 130	30	
Bromomethane	ND	94	92	2.2	102	95	7.1	70 - 130	30	
Carbon Disulfide	ND	86	87	1.2	88	86	2.3	70 - 130	30	
Carbon tetrachloride	ND	110	109	0.9	107	100	6.8	70 - 130	30	
Chlorobenzene	ND	94	93	1.1	94	93	1.1	70 - 130	30	
Chloroethane	ND	96	100	4.1	101	100	1.0	70 - 130	30	
Chloroform	ND	102	99	3.0	105	88	17.6	70 - 130	30	
Chloromethane	ND	80	75	6.5	75	67	11.3	70 - 130	30	m
cis-1,2-Dichloroethene	ND	96	86	11.0	97	87	10.9	70 - 130	30	
cis-1,3-Dichloropropene	ND	101	94	7.2	106	103	2.9	70 - 130	30	
Dibromochloromethane	ND	104	99	4.9	107	100	6.8	70 - 130	30	

QA/QC Data

SDG I.D.: GBG16438

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Dibromomethane	ND	98	92	6.3	102	96	6.1	70 - 130	30
Dichlorodifluoromethane	ND	81	82	1.2	78	75	3.9	70 - 130	30
Ethylbenzene	ND	92	94	2.2	93	94	1.1	70 - 130	30
Hexachlorobutadiene	ND	97	95	2.1	99	95	4.1	70 - 130	30
Isopropylbenzene	ND	94	94	0.0	91	91	0.0	70 - 130	30
m&p-Xylene	ND	95	96	1.0	96	95	1.0	70 - 130	30
Methyl ethyl ketone	ND	81	76	6.4	90	82	9.3	70 - 130	30
Methyl t-butyl ether (MTBE)	ND	99	95	4.1	107	105	1.9	70 - 130	30
Methylene chloride	ND	87	86	1.2	90	87	3.4	70 - 130	30
Naphthalene	ND	93	87	6.7	97	86	12.0	70 - 130	30
n-Butylbenzene	ND	92	94	2.2	96	96	0.0	70 - 130	30
n-Propylbenzene	ND	93	97	4.2	90	90	0.0	70 - 130	30
o-Xylene	ND	93	96	3.2	98	98	0.0	70 - 130	30
p-Isopropyltoluene	ND	94	98	4.2	97	97	0.0	70 - 130	30
sec-Butylbenzene	ND	91	93	2.2	92	92	0.0	70 - 130	30
Styrene	ND	96	95	1.0	98	97	1.0	70 - 130	30
tert-Butylbenzene	ND	98	100	2.0	96	95	1.0	70 - 130	30
Tetrachloroethene	ND	93	97	4.2	94	94	0.0	70 - 130	30
Tetrahydrofuran (THF)	ND	84	80	4.9	92	83	10.3	70 - 130	30
Toluene	ND	94	94	0.0	94	92	2.2	70 - 130	30
trans-1,2-Dichloroethene	ND	91	91	0.0	95	93	2.1	70 - 130	30
trans-1,3-Dichloropropene	ND	106	99	6.8	114	108	5.4	70 - 130	30
trans-1,4-dichloro-2-butene	ND	87	81	7.1	97	86	12.0	70 - 130	30
Trichloroethene	ND	99	97	2.0	95	95	0.0	70 - 130	30
Trichlorofluoromethane	ND	101	100	1.0	101	98	3.0	70 - 130	30
Trichlorotrifluoroethane	ND	102	100	2.0	98	99	1.0	70 - 130	30
Vinyl chloride	ND	84	84	0.0	81	79	2.5	70 - 130	30
% 1,2-dichlorobenzene-d4	103	101	99	2.0	101	98	3.0	70 - 130	30
% Bromofluorobenzene	105	111	109	1.8	110	109	0.9	70 - 130	30
% Dibromofluoromethane	105	98	96	2.1	99	94	5.2	70 - 130	30
% Toluene-d8	100	103	100	3.0	102	101	1.0	70 - 130	30

Comment:

Additional 8260 criteria: 10% of LCS/LCSD compounds can be outside of acceptance criteria as long as recovery is 40-160%.

l = This parameter is outside laboratory lcs/lcsd specified recovery limits.
m = This parameter is outside laboratory ms/msd specified recovery limits.
r = This parameter is outside laboratory rpd specified recovery limits.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria
Intf - Interference

Phyllis Shiller, Laboratory Director
March 13, 2014

Sample Criteria Exceedences Report

GBG16438 - GALLI-ENG

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BG16438	$8270-SMR	Pentachlorophenol	NY / 375-6.8 Semivolatiles / Residential	ND	9100	2400	2400	ug/Kg
BG16438	$8270-SMR	Phenanthrene	NY / 375-6.8 Semivolatiles / Residential	130000	6400	100000	100000	ug/Kg
BG16438	$8270-SMR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	31000	6400	1000	1000	ug/Kg
BG16438	$8270-SMR	Chrysene	NY / 375-6.8 Semivolatiles / Residential	32000	6400	1000	1000	ug/Kg
BG16438	$8270-SMR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	31000	6400	1000	1000	ug/Kg
BG16438	$8270-SMR	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	9800	6400	1000	1000	ug/Kg
BG16438	$8270-SMR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	25000	6400	1000	1000	ug/Kg
BG16438	$8270-SMR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	13000	6400	500	500	ug/Kg
BG16438	$8270-SMR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential	ND	6400	330	330	ug/Kg
BG16442	$8270-SMR	Pentachlorophenol	NY / 375-6.8 Semivolatiles / Residential	ND	3700	2400	2400	ug/Kg
BG16442	$8270-SMR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	5500	2600	1000	1000	ug/Kg
BG16442	$8270-SMR	Chrysene	NY / 375-6.8 Semivolatiles / Residential	5500	2600	1000	1000	ug/Kg
BG16442	$8270-SMR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	6500	2600	1000	1000	ug/Kg
BG16442	$8270-SMR	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	ND	2600	1000	1000	ug/Kg
BG16442	$8270-SMR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	5000	2600	1000	1000	ug/Kg
BG16442	$8270-SMR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	3100	2600	500	500	ug/Kg
BG16442	$8270-SMR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential	ND	2600	330	330	ug/Kg

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY Temperature Narration

March 13, 2014

SDG I.D.: GBG16438

The samples in this delivery group were received at 4°C.
(Note acceptance criteria is above freezing up to 6°C)

NY/NJ CHAIN OF CUSTODY RECORD

PHOENIX Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Temp 4°C Pg 1 of 1

Data Delivery:
☐ Fax #:
☒ Email: mpryer@gallieng.com

WC
IP

Customer: Galli Engineering
Address: 734 Walt Whitman Rd. Suite 402A
Melville, NY 11747

Project: 25-11 & 25-17 38th Ave
Report to: Melissa Pryer
Invoice to: Luis LaSanta

Project P.O:
Phone #:
Fax #:

Client Sample - Information - Identification

Sampler's Signature: Melissa Pryer Date: 3/6/14

Matrix Code:
DW=drinking water WW=wastewater S=soil/solid O=oil
GW=groundwater SL=sludge A=air X=other

Analysis Request

Phoenix Sample #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	VOC	SVOC	PCB	Pesticides	TAL Metals	Soil VOA [X] Methanol [ ] S. Bisulfate [ ] H2O	GL Soil container (8) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
16438	SB5 0-2'	soil	3/5/14	8:30am	X	X	X	X	X		3	1							
16439	SB5 14-16'	soil	3/5/14	9am															
16440	SB6 0-2'	soil	3/5/14	9:30am															
16441	SB6 14-16'	soil	3/5/14	10am															
16442	SB7 0-2'	soil	3/5/14	10:30am															
16443	SB7 11'	soil	3/5/14	11am															
16444	SB7 16-18'	soil	3/5/14	11:30am															
*16445	SB8 0-2'	soil	3/5/14	12pm															
16446	SB8 14-16'	soil	3/5/14	12:30pm															

Relinquished by:	Accepted by:	Date:	Time:
Melissa Pryer	[signature]	3-6-14	10:00 AM
	THERMO	3-6-14	17:00

Comments, Special Requirements or Regulations:
* one low level rcva broken. (TF)

Turnaround:
☐ 1 Day*
☐ 2 Days*
☐ 3 Days*
☒ 5 Days
☐ 10 Days
☐ Other
* SURCHARGE APPLIES

NJ
☐ Res. Criteria
☐ Non-Res. Criteria
☐ Impact to GW Soil Cleanup Criteria
☐ GW Criteria

NY
☐ TOGS GA GW
☐ CP-51 Soil
☐ NY375 Unrestricted Soil
☒ NY375 Residential Soil
☐ NY375 Restricted Non-Residential Soil

Data Format
☒ Phoenix Std Report
☐ Excel
☒ PDF
☐ GIS/Key
☐ EQuIS
☐ NJ Hazsite EDD
☐ NY EZ EDD (ASP)
☐ Other

Data Package
☐ NJ Reduced Deliv. *
☐ NY Enhanced (ASP B) *
☐ Other

State where samples were collected: NY

PHOENIX
Environmental Laboratories, Inc.

Friday, July 05, 2013

Attn: Mr. Frank Gehrling
Galli Engineering, P.C.
734 Walt Whitman Rd
Suite 402A
Melville, NY 11747

Project ID: 25-17 38TH AVE.
Sample ID#s: BD95567 - BD95572

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
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Environmental Laboratories, Inc.
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Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

SDG Comments

July 05, 2013

SDG I.D.: GBD95567

8270 Semivolatile Organics:
Full Scan Report:
Nitrobenzene, and Hexachlorobutadiene were evaluated from the SIM analysis in order to achieve the requested criteria.
Bis(2-chloroethyl)ether and the Nitroanilines were evaluated from the SIM analysis in order to achieve the requested criteria.
SIM Analysis:
The lowest possible reporting limit under SIM conditions is 0.02 ug/L. The NY TOGS GA criteria for some PAHs is 0.002 ug/L. This level can not be achieved.

8260 Volatile Organics:
1,2-Dibromoethane and 1,2-Dibromo-3-chloropropane do not meet NJ GW Class II criteria, these compounds are analyzed by GC/ECD method 504 or 8011 when this criteria needs to be met.

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

July 05, 2013

FOR: Attn: Mr. Frank Gehrling
Galli Engineering, P.C.
734 Walt Whitman Rd
Suite 402A
Melville, NY 11747

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	FG	06/20/13	0:00
Location Code:	GALLI-ENG	Received by:	LB	06/21/13	15:06
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBD95567
Phoenix ID: BD95567

Project ID: 25-17 38TH AVE.
Client ID: SB1 8-10 FT

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Silver	< 0.37	0.37	mg/Kg	06/24/13	EK	SW6010	
Aluminum	5730	55	mg/Kg	06/24/13	LK	SW6010	
Arsenic	< 0.7	0.7	mg/Kg	06/24/13	EK	SW6010	
Barium	26.9	0.37	mg/Kg	06/24/13	EK	SW6010	
Beryllium	< 0.29	0.29	mg/Kg	06/24/13	EK	SW6010	
Calcium	592	5.5	mg/Kg	06/24/13	EK	SW6010	
Cadmium	< 0.37	0.37	mg/Kg	06/24/13	EK	SW6010	
Cobalt	2.85	0.37	mg/Kg	06/24/13	EK	SW6010	
Chromium	26.0	0.37	mg/Kg	06/24/13	EK	SW6010	
Copper	11.4	0.37	mg/kg	06/24/13	EK	SW6010	B
Iron	10900	55	mg/Kg	06/24/13	EK	SW6010	B
Mercury	< 0.07	0.07	mg/Kg	06/24/13	RS	SW-7471	
Potassium	581	5.5	mg/Kg	06/24/13	EK	SW6010	
Magnesium	2480	5.5	mg/Kg	06/24/13	EK	SW6010	
Manganese	134	0.37	mg/Kg	06/24/13	EK	SW6010	
Sodium	39.2	5.5	mg/Kg	06/24/13	EK	SW6010	
Nickel	8.84	0.37	mg/Kg	06/24/13	EK	SW6010	
Lead	3.03	0.37	mg/Kg	06/24/13	EK	SW6010	
Antimony	< 3.7	3.7	mg/Kg	06/24/13	EK	SW6010	
Selenium	< 1.5	1.5	mg/Kg	06/24/13	EK	SW6010	
Thallium	< 3.3	3.3	mg/Kg	06/24/13	EK	SW6010	
Vanadium	17.4	0.37	mg/Kg	06/24/13	EK	SW6010	
Zinc	29.7	0.37	mg/Kg	06/24/13	EK	SW6010	
Percent Solid	95		%	06/21/13	JL	E160.3	
Soil Extraction for PCB	Completed			06/21/13	BB	SW3545	
Soil Extraction for Pesticide	Completed			06/21/13	BB/V	SW3545	
Soil Extraction for SVOA	Completed			06/21/13	BJ/FV	SW3545	
Mercury Digestion	Completed				H/H	SW7471	

Project ID: 25-17 38TH AVE.
Client ID: SB1 8-10 FT

Phoenix I.D.: BD95567

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Total Metals Digest	Completed			06/21/13	Z/AG	SW846 - 3050	
Field Extraction	Completed			06/20/13		SW5035	
Polychlorinated Biphenyls							
PCB-1016	ND	69	ug/Kg	06/24/13	AW	SW 8082	
PCB-1221	ND	69	ug/Kg	06/24/13	AW	SW 8082	
PCB-1232	ND	69	ug/Kg	06/24/13	AW	SW 8082	
PCB-1242	ND	69	ug/Kg	06/24/13	AW	SW 8082	
PCB-1248	ND	69	ug/Kg	06/24/13	AW	SW 8082	
PCB-1254	ND	69	ug/Kg	06/24/13	AW	SW 8082	
PCB-1260	ND	69	ug/Kg	06/24/13	AW	SW 8082	
PCB-1262	ND	69	ug/Kg	06/24/13	AW	SW 8082	
PCB-1268	ND	69	ug/Kg	06/24/13	AW	SW 8082	
QA/QC Surrogates							
% DCBP	86		%	06/24/13	AW	30 - 150 %	
% TCMX	57		%	06/24/13	AW	30 - 150 %	
Pesticides							
4,4' -DDD	ND	2.1	ug/Kg	06/24/13	MH	SW8081	
4,4' -DDE	ND	2.1	ug/Kg	06/24/13	MH	SW8081	
4,4' -DDT	ND	2.1	ug/Kg	06/24/13	MH	SW8081	
a-BHC	ND	3.3	ug/Kg	06/24/13	MH	SW8081	
Alachlor	ND	3.3	ug/Kg	06/24/13	MH	SW8081	1
Aldrin	ND	1.0	ug/Kg	06/24/13	MH	SW8081	
b-BHC	ND	3.3	ug/Kg	06/24/13	MH	SW8081	
Chlordane	ND	10	ug/Kg	06/24/13	MH	SW8081	
d-BHC	ND	3.3	ug/Kg	06/24/13	MH	SW8081	
Dieldrin	ND	1.0	ug/Kg	06/24/13	MH	SW8081	
Endosulfan I	ND	3.3	ug/Kg	06/24/13	MH	SW8081	
Endosulfan II	ND	6.6	ug/Kg	06/24/13	MH	SW8081	
Endosulfan sulfate	ND	6.6	ug/Kg	06/24/13	MH	SW8081	
Endrin	ND	6.6	ug/Kg	06/24/13	MH	SW8081	
Endrin aldehyde	ND	6.6	ug/Kg	06/24/13	MH	SW8081	
Endrin ketone	ND	6.6	ug/Kg	06/24/13	MH	SW8081	
g-BHC	ND	1.0	ug/Kg	06/24/13	MH	SW8081	
Heptachlor	ND	2.1	ug/Kg	06/24/13	MH	SW8081	
Heptachlor epoxide	ND	3.3	ug/Kg	06/24/13	MH	SW8081	
Methoxychlor	ND	33	ug/Kg	06/24/13	MH	SW8081	
Toxaphene	ND	33	ug/Kg	06/24/13	MH	SW8081	
QA/QC Surrogates							
% DCBP	101		%	06/24/13	MH	30 - 150 %	
% TCMX	72		%	06/24/13	MH	30 - 150 %	
Volatiles							
1,1,1,2-Tetrachloroethane	ND	6.8	ug/Kg	06/27/13	R/J	SW8260	
1,1,1-Trichloroethane	ND	6.8	ug/Kg	06/27/13	R/J	SW8260	
1,1,2,2-Tetrachloroethane	ND	4.1	ug/Kg	06/27/13	R/J	SW8260	
1,1,2-Trichloroethane	ND	6.8	ug/Kg	06/27/13	R/J	SW8260	
1,1-Dichloroethane	ND	6.8	ug/Kg	06/27/13	R/J	SW8260	
1,1-Dichloroethene	ND	6.8	ug/Kg	06/27/13	R/J	SW8260	

Project ID: 25-17 38TH AVE.
Client ID: SB1 8-10 FT

Phoenix I.D.: BD95567

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
1,1-Dichloropropene	ND	6.8	ug/Kg	06/27/13	R/J	SW8260	
1,2,3-Trichlorobenzene	ND	6.8	ug/Kg	06/27/13	R/J	SW8260	
1,2,3-Trichloropropane	ND	6.8	ug/Kg	06/27/13	R/J	SW8260	
1,2,4-Trichlorobenzene	ND	6.8	ug/Kg	06/27/13	R/J	SW8260	
1,2,4-Trimethylbenzene	ND	6.8	ug/Kg	06/27/13	R/J	SW8260	
1,2-Dibromo-3-chloropropane	ND	6.8	ug/Kg	06/27/13	R/J	SW8260	
1,2-Dibromoethane	ND	6.8	ug/Kg	06/27/13	R/J	SW8260	
1,2-Dichlorobenzene	ND	6.8	ug/Kg	06/27/13	R/J	SW8260	
1,2-Dichloroethane	ND	6.8	ug/Kg	06/27/13	R/J	SW8260	
1,2-Dichloropropane	ND	6.8	ug/Kg	06/27/13	R/J	SW8260	
1,3,5-Trimethylbenzene	ND	6.8	ug/Kg	06/27/13	R/J	SW8260	
1,3-Dichlorobenzene	ND	6.8	ug/Kg	06/27/13	R/J	SW8260	
1,3-Dichloropropane	ND	6.8	ug/Kg	06/27/13	R/J	SW8260	
1,4-Dichlorobenzene	ND	6.8	ug/Kg	06/27/13	R/J	SW8260	
2,2-Dichloropropane	ND	6.8	ug/Kg	06/27/13	R/J	SW8260	
2-Chlorotoluene	ND	6.8	ug/Kg	06/27/13	R/J	SW8260	
2-Hexanone	ND	34	ug/Kg	06/27/13	R/J	SW8260	
2-Isopropyltoluene	ND	6.8	ug/Kg	06/27/13	R/J	SW8260	1
4-Chlorotoluene	ND	6.8	ug/Kg	06/27/13	R/J	SW8260	
4-Methyl-2-pentanone	ND	34	ug/Kg	06/27/13	R/J	SW8260	
Acetone	ND	41	ug/Kg	06/27/13	R/J	SW8260	
Acrylonitrile	ND	6.8	ug/Kg	06/27/13	R/J	SW8260	
Benzene	ND	6.8	ug/Kg	06/27/13	R/J	SW8260	
Bromobenzene	ND	6.8	ug/Kg	06/27/13	R/J	SW8260	
Bromochloromethane	ND	6.8	ug/Kg	06/27/13	R/J	SW8260	
Bromodichloromethane	ND	6.8	ug/Kg	06/27/13	R/J	SW8260	
Bromoform	ND	6.8	ug/Kg	06/27/13	R/J	SW8260	
Bromomethane	ND	6.8	ug/Kg	06/27/13	R/J	SW8260	
Carbon Disulfide	ND	6.8	ug/Kg	06/27/13	R/J	SW8260	
Carbon tetrachloride	ND	6.8	ug/Kg	06/27/13	R/J	SW8260	
Chlorobenzene	ND	6.8	ug/Kg	06/27/13	R/J	SW8260	
Chloroethane	ND	6.8	ug/Kg	06/27/13	R/J	SW8260	
Chloroform	ND	6.8	ug/Kg	06/27/13	R/J	SW8260	
Chloromethane	ND	6.8	ug/Kg	06/27/13	R/J	SW8260	
cis-1,2-Dichloroethene	ND	6.8	ug/Kg	06/27/13	R/J	SW8260	
cis-1,3-Dichloropropene	ND	6.8	ug/Kg	06/27/13	R/J	SW8260	1
Dibromochloromethane	ND	4.1	ug/Kg	06/27/13	R/J	SW8260	
Dibromomethane	ND	6.8	ug/Kg	06/27/13	R/J	SW8260	
Dichlorodifluoromethane	ND	6.8	ug/Kg	06/27/13	R/J	SW8260	
Ethylbenzene	ND	6.8	ug/Kg	06/27/13	R/J	SW8260	
Hexachlorobutadiene	ND	6.8	ug/Kg	06/27/13	R/J	SW8260	
Isopropylbenzene	ND	6.8	ug/Kg	06/27/13	R/J	SW8260	
m&p-Xylene	ND	6.8	ug/Kg	06/27/13	R/J	SW8260	
Methyl Ethyl Ketone	ND	41	ug/Kg	06/27/13	R/J	SW8260	
Methyl t-butyl ether (MTBE)	ND	14	ug/Kg	06/27/13	R/J	SW8260	
Methylene chloride	ND	6.8	ug/Kg	06/27/13	R/J	SW8260	
Naphthalene	ND	6.8	ug/Kg	06/27/13	R/J	SW8260	
n-Butylbenzene	ND	6.8	ug/Kg	06/27/13	R/J	SW8260	
n-Propylbenzene	ND	6.8	ug/Kg	06/27/13	R/J	SW8260	
o-Xylene	ND	6.8	ug/Kg	06/27/13	R/J	SW8260	

Project ID: 25-17 38TH AVE.
Client ID: SB1 8-10 FT

Phoenix I.D.: BD95567

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
p-Isopropyltoluene	ND	6.8	ug/Kg	06/27/13	R/J	SW8260	
sec-Butylbenzene	ND	6.8	ug/Kg	06/27/13	R/J	SW8260	
Styrene	ND	6.8	ug/Kg	06/27/13	R/J	SW8260	
tert-Butylbenzene	ND	6.8	ug/Kg	06/27/13	R/J	SW8260	
Tetrachloroethene	ND	6.8	ug/Kg	06/27/13	R/J	SW8260	
Tetrahydrofuran (THF)	ND	14	ug/Kg	06/27/13	R/J	SW8260	1
Toluene	ND	6.8	ug/Kg	06/27/13	R/J	SW8260	
Total Xylenes	ND	6.8	ug/Kg	06/27/13	R/J	SW8260	
trans-1,2-Dichloroethene	ND	6.8	ug/Kg	06/27/13	R/J	SW8260	
trans-1,3-Dichloropropene	ND	6.8	ug/Kg	06/27/13	R/J	SW8260	
trans-1,4-dichloro-2-butene	ND	14	ug/Kg	06/27/13	R/J	SW8260	
Trichloroethene	ND	6.8	ug/Kg	06/27/13	R/J	SW8260	
Trichlorofluoromethane	ND	6.8	ug/Kg	06/27/13	R/J	SW8260	
Trichlorotrifluoroethane	ND	6.8	ug/Kg	06/27/13	R/J	SW8260	
Vinyl chloride	ND	6.8	ug/Kg	06/27/13	R/J	SW8260	
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	104		%	06/27/13	R/J	70 - 130 %	
% Bromofluorobenzene	95		%	06/27/13	R/J	70 - 130 %	
% Dibromofluoromethane	100		%	06/27/13	R/J	70 - 130 %	
% Toluene-d8	97		%	06/27/13	R/J	70 - 130 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	240	ug/Kg	06/22/13	DD	SW 8270
1,2,4-Trichlorobenzene	ND	240	ug/Kg	06/22/13	DD	SW 8270
1,2-Dichlorobenzene	ND	240	ug/Kg	06/22/13	DD	SW 8270
1,2-Diphenylhydrazine	ND	340	ug/Kg	06/22/13	DD	SW 8270
1,3-Dichlorobenzene	ND	240	ug/Kg	06/22/13	DD	SW 8270
1,4-Dichlorobenzene	ND	240	ug/Kg	06/22/13	DD	SW 8270
2,4,5-Trichlorophenol	ND	240	ug/Kg	06/22/13	DD	SW 8270
2,4,6-Trichlorophenol	ND	240	ug/Kg	06/22/13	DD	SW 8270
2,4-Dichlorophenol	ND	240	ug/Kg	06/22/13	DD	SW 8270
2,4-Dimethylphenol	ND	240	ug/Kg	06/22/13	DD	SW 8270
2,4-Dinitrophenol	ND	550	ug/Kg	06/22/13	DD	SW 8270
2,4-Dinitrotoluene	ND	240	ug/Kg	06/22/13	DD	SW 8270
2,6-Dinitrotoluene	ND	240	ug/Kg	06/22/13	DD	SW 8270
2-Chloronaphthalene	ND	240	ug/Kg	06/22/13	DD	SW 8270
2-Chlorophenol	ND	240	ug/Kg	06/22/13	DD	SW 8270
2-Methylnaphthalene	ND	240	ug/Kg	06/22/13	DD	SW 8270
2-Methylphenol (o-cresol)	ND	240	ug/Kg	06/22/13	DD	SW 8270
2-Nitroaniline	ND	550	ug/Kg	06/22/13	DD	SW 8270
2-Nitrophenol	ND	240	ug/Kg	06/22/13	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	340	ug/Kg	06/22/13	DD	SW 8270
3,3'-Dichlorobenzidine	ND	240	ug/Kg	06/22/13	DD	SW 8270
3-Nitroaniline	ND	550	ug/Kg	06/22/13	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1000	ug/Kg	06/22/13	DD	SW 8270
4-Bromophenyl phenyl ether	ND	340	ug/Kg	06/22/13	DD	SW 8270
4-Chloro-3-methylphenol	ND	240	ug/Kg	06/22/13	DD	SW 8270
4-Chloroaniline	ND	240	ug/Kg	06/22/13	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	240	ug/Kg	06/22/13	DD	SW 8270
4-Nitroaniline	ND	550	ug/Kg	06/22/13	DD	SW 8270

Project ID: 25-17 38TH AVE.
Client ID: SB1 8-10 FT

Phoenix I.D.: BD95567

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
4-Nitrophenol	ND	1000	ug/Kg	06/22/13	DD	SW 8270	
Acenaphthene	ND	240	ug/Kg	06/22/13	DD	SW 8270	
Acenaphthylene	ND	240	ug/Kg	06/22/13	DD	SW 8270	
Acetophenone	ND	240	ug/Kg	06/22/13	DD	SW 8270	
Aniline	ND	1000	ug/Kg	06/22/13	DD	SW 8270	
Anthracene	ND	240	ug/Kg	06/22/13	DD	SW 8270	
Benz(a)anthracene	ND	240	ug/Kg	06/22/13	DD	SW 8270	
Benzidine	ND	410	ug/Kg	06/22/13	DD	SW 8270	
Benzo(a)pyrene	ND	240	ug/Kg	06/22/13	DD	SW 8270	
Benzo(b)fluoranthene	ND	240	ug/Kg	06/22/13	DD	SW 8270	
Benzo(ghi)perylene	ND	240	ug/Kg	06/22/13	DD	SW 8270	
Benzo(k)fluoranthene	ND	240	ug/Kg	06/22/13	DD	SW 8270	
Benzoic acid	ND	1000	ug/Kg	06/22/13	DD	SW 8270	LO
Benzyl butyl phthalate	ND	240	ug/Kg	06/22/13	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	240	ug/Kg	06/22/13	DD	SW 8270	
Bis(2-chloroethyl)ether	ND	340	ug/Kg	06/22/13	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	240	ug/Kg	06/22/13	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND	240	ug/Kg	06/22/13	DD	SW 8270	
Carbazole	ND	520	ug/Kg	06/22/13	DD	SW 8270	
Chrysene	ND	240	ug/Kg	06/22/13	DD	SW 8270	
Dibenz(a,h)anthracene	ND	240	ug/Kg	06/22/13	DD	SW 8270	
Dibenzofuran	ND	240	ug/Kg	06/22/13	DD	SW 8270	
Diethyl phthalate	ND	240	ug/Kg	06/22/13	DD	SW 8270	
Dimethylphthalate	ND	240	ug/Kg	06/22/13	DD	SW 8270	
Di-n-butylphthalate	ND	240	ug/Kg	06/22/13	DD	SW 8270	
Di-n-octylphthalate	ND	240	ug/Kg	06/22/13	DD	SW 8270	
Fluoranthene	ND	240	ug/Kg	06/22/13	DD	SW 8270	
Fluorene	ND	240	ug/Kg	06/22/13	DD	SW 8270	
Hexachlorobenzene	ND	240	ug/Kg	06/22/13	DD	SW 8270	
Hexachlorobutadiene	ND	240	ug/Kg	06/22/13	DD	SW 8270	
Hexachlorocyclopentadiene	ND	240	ug/Kg	06/22/13	DD	SW 8270	
Hexachloroethane	ND	240	ug/Kg	06/22/13	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND	240	ug/Kg	06/22/13	DD	SW 8270	
Isophorone	ND	240	ug/Kg	06/22/13	DD	SW 8270	
Naphthalene	ND	240	ug/Kg	06/22/13	DD	SW 8270	
Nitrobenzene	ND	240	ug/Kg	06/22/13	DD	SW 8270	
N-Nitrosodimethylamine	ND	340	ug/Kg	06/22/13	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	240	ug/Kg	06/22/13	DD	SW 8270	
N-Nitrosodiphenylamine	ND	340	ug/Kg	06/22/13	DD	SW 8270	
Pentachloronitrobenzene	ND	340	ug/Kg	06/22/13	DD	SW 8270	
Pentachlorophenol	ND	340	ug/Kg	06/22/13	DD	SW 8270	
Phenanthrene	ND	240	ug/Kg	06/22/13	DD	SW 8270	
Phenol	ND	240	ug/Kg	06/22/13	DD	SW 8270	
Pyrene	ND	240	ug/Kg	06/22/13	DD	SW 8270	
Pyridine	ND	340	ug/Kg	06/22/13	DD	SW 8270	
QA/QC Surrogates							
% 2,4,6-Tribromophenol	110		%	06/22/13	DD	30 - 130 %	
% 2-Fluorobiphenyl	84		%	06/22/13	DD	30 - 130 %	
% 2-Fluorophenol	84		%	06/22/13	DD	30 - 130 %	
% Nitrobenzene-d5	87		%	06/22/13	DD	30 - 130 %	

Project ID: 25-17 38TH AVE.
Client ID: SB1 8-10 FT

Phoenix I.D.: BD95567

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
% Phenol-d5	88		%	06/22/13	DD	30 - 130 %
% Terphenyl-d14	90		%	06/22/13	DD	30 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
1O = This parameter is not certified by NY NELAC for this matrix.
B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
July 05, 2013
Reviewed and Released by: Phyllis Shiller, Laboratory Director

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

July 05, 2013

FOR: Attn: Mr. Frank Gehrling
Galli Engineering, P.C.
734 Walt Whitman Rd
Suite 402A
Melville, NY 11747

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	FG	06/20/13	0:00
Location Code:	GALLI-ENG	Received by:	LB	06/21/13	15:06
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBD95567
Phoenix ID: BD95568

Project ID: 25-17 38TH AVE.
Client ID: SB2 1-3 FT

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Silver	< 0.37	0.37	mg/Kg	06/24/13	EK	SW6010	
Aluminum	7190	56	mg/Kg	06/24/13	LK	SW6010	
Arsenic	4.6	0.7	mg/Kg	06/24/13	EK	SW6010	
Barium	225	0.37	mg/Kg	06/24/13	EK	SW6010	
Beryllium	< 0.30	0.30	mg/Kg	06/24/13	EK	SW6010	
Calcium	5640	5.6	mg/Kg	06/24/13	EK	SW6010	
Cadmium	0.59	0.37	mg/Kg	06/24/13	EK	SW6010	
Cobalt	3.57	0.37	mg/Kg	06/24/13	EK	SW6010	
Chromium	19.9	0.37	mg/Kg	06/24/13	EK	SW6010	
Copper	61.2	0.37	mg/kg	06/24/13	EK	SW6010	B
Iron	14300	56	mg/Kg	06/24/13	EK	SW6010	B
Mercury	0.24	0.09	mg/Kg	06/24/13	RS	SW-7471	
Potassium	1820	5.6	mg/Kg	06/24/13	EK	SW6010	
Magnesium	4260	5.6	mg/Kg	06/24/13	EK	SW6010	
Manganese	154	3.7	mg/Kg	06/24/13	EK	SW6010	
Sodium	172	5.6	mg/Kg	06/24/13	EK	SW6010	
Nickel	12.0	0.37	mg/Kg	06/24/13	EK	SW6010	
Lead	393	3.7	mg/Kg	06/24/13	EK	SW6010	
Antimony	< 3.7	3.7	mg/Kg	06/24/13	EK	SW6010	
Selenium	< 1.5	1.5	mg/Kg	06/24/13	EK	SW6010	
Thallium	< 3.4	3.4	mg/Kg	06/24/13	EK	SW6010	
Vanadium	26.1	0.37	mg/Kg	06/24/13	EK	SW6010	
Zinc	154	3.7	mg/Kg	06/24/13	EK	SW6010	
Percent Solid	92		%	06/21/13	JL	E160.3	
Soil Extraction for PCB	Completed			06/21/13	BB	SW3545	
Soil Extraction for Pesticide	Completed			06/21/13	BB/V	SW3545	
Soil Extraction for SVOA	Completed			06/21/13	BJ/FV	SW3545	
Mercury Digestion	Completed				H/H	SW7471	

Project ID: 25-17 38TH AVE.
Client ID: SB2 1-3 FT

Phoenix I.D.: BD95568

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Total Metals Digest	Completed			06/21/13	Z/AG	SW846 - 3050	
Field Extraction	Completed			06/20/13		SW5035	
Polychlorinated Biphenyls							
PCB-1016	ND	71	ug/Kg	06/24/13	AW	SW 8082	
PCB-1221	ND	71	ug/Kg	06/24/13	AW	SW 8082	
PCB-1232	ND	71	ug/Kg	06/24/13	AW	SW 8082	
PCB-1242	ND	71	ug/Kg	06/24/13	AW	SW 8082	
PCB-1248	ND	71	ug/Kg	06/24/13	AW	SW 8082	
PCB-1254	ND	71	ug/Kg	06/24/13	AW	SW 8082	
PCB-1260	ND	71	ug/Kg	06/24/13	AW	SW 8082	
PCB-1262	ND	71	ug/Kg	06/24/13	AW	SW 8082	
PCB-1268	ND	71	ug/Kg	06/24/13	AW	SW 8082	
QA/QC Surrogates							
% DCBP	88		%	06/24/13	AW	30 - 150 %	
% TCMX	58		%	06/24/13	AW	30 - 150 %	
Pesticides							
4,4' -DDD	ND	2.1	ug/Kg	06/24/13	MH	SW8081	
4,4' -DDE	ND	3.2	ug/Kg	06/24/13	MH	SW8081	
4,4' -DDT	ND*	9.2	ug/Kg	06/24/13	MH	SW8081	
a-BHC	ND	3.4	ug/Kg	06/24/13	MH	SW8081	
Alachlor	ND	3.4	ug/Kg	06/24/13	MH	SW8081	1
Aldrin	ND	1.1	ug/Kg	06/24/13	MH	SW8081	
b-BHC	ND	3.4	ug/Kg	06/24/13	MH	SW8081	
Chlordane	ND	11	ug/Kg	06/24/13	MH	SW8081	
d-BHC	ND	3.4	ug/Kg	06/24/13	MH	SW8081	
Dieldrin	ND	3.2	ug/Kg	06/24/13	MH	SW8081	
Endosulfan I	ND	3.4	ug/Kg	06/24/13	MH	SW8081	
Endosulfan II	ND	6.8	ug/Kg	06/24/13	MH	SW8081	
Endosulfan sulfate	ND	6.8	ug/Kg	06/24/13	MH	SW8081	
Endrin	ND	6.8	ug/Kg	06/24/13	MH	SW8081	
Endrin aldehyde	ND	6.8	ug/Kg	06/24/13	MH	SW8081	
Endrin ketone	ND	6.8	ug/Kg	06/24/13	MH	SW8081	
g-BHC	ND	1.1	ug/Kg	06/24/13	MH	SW8081	
Heptachlor	ND	2.1	ug/Kg	06/24/13	MH	SW8081	
Heptachlor epoxide	ND	3.4	ug/Kg	06/24/13	MH	SW8081	
Methoxychlor	ND	34	ug/Kg	06/24/13	MH	SW8081	
Toxaphene	ND	34	ug/Kg	06/24/13	MH	SW8081	
QA/QC Surrogates							
% DCBP	91		%	06/24/13	MH	30 - 150 %	
% TCMX	77		%	06/24/13	MH	30 - 150 %	
Volatiles							
1,1,1,2-Tetrachloroethane	ND	9.7	ug/Kg	06/25/13	H/J	SW8260	
1,1,1-Trichloroethane	ND	9.7	ug/Kg	06/25/13	H/J	SW8260	
1,1,2,2-Tetrachloroethane	ND	5.8	ug/Kg	06/25/13	H/J	SW8260	
1,1,2-Trichloroethane	ND	9.7	ug/Kg	06/25/13	H/J	SW8260	
1,1-Dichloroethane	ND	9.7	ug/Kg	06/25/13	H/J	SW8260	
1,1-Dichloroethene	ND	9.7	ug/Kg	06/25/13	H/J	SW8260	

Project ID: 25-17 38TH AVE.
Client ID: SB2 1-3 FT

Phoenix I.D.: BD95568

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
1,1-Dichloropropene	ND	9.7	ug/Kg	06/25/13	H/J	SW8260	
1,2,3-Trichlorobenzene	ND	9.7	ug/Kg	06/25/13	H/J	SW8260	
1,2,3-Trichloropropane	ND	9.7	ug/Kg	06/25/13	H/J	SW8260	
1,2,4-Trichlorobenzene	ND	9.7	ug/Kg	06/25/13	H/J	SW8260	
1,2,4-Trimethylbenzene	ND	9.7	ug/Kg	06/25/13	H/J	SW8260	
1,2-Dibromo-3-chloropropane	ND	9.7	ug/Kg	06/25/13	H/J	SW8260	
1,2-Dibromoethane	ND	9.7	ug/Kg	06/25/13	H/J	SW8260	
1,2-Dichlorobenzene	ND	9.7	ug/Kg	06/25/13	H/J	SW8260	
1,2-Dichloroethane	ND	9.7	ug/Kg	06/25/13	H/J	SW8260	
1,2-Dichloropropane	ND	9.7	ug/Kg	06/25/13	H/J	SW8260	
1,3,5-Trimethylbenzene	ND	9.7	ug/Kg	06/25/13	H/J	SW8260	
1,3-Dichlorobenzene	ND	9.7	ug/Kg	06/25/13	H/J	SW8260	
1,3-Dichloropropane	ND	9.7	ug/Kg	06/25/13	H/J	SW8260	
1,4-Dichlorobenzene	ND	9.7	ug/Kg	06/25/13	H/J	SW8260	
2,2-Dichloropropane	ND	9.7	ug/Kg	06/25/13	H/J	SW8260	
2-Chlorotoluene	ND	9.7	ug/Kg	06/25/13	H/J	SW8260	
2-Hexanone	ND	48	ug/Kg	06/25/13	H/J	SW8260	
2-Isopropyltoluene	ND	9.7	ug/Kg	06/25/13	H/J	SW8260	1
4-Chlorotoluene	ND	9.7	ug/Kg	06/25/13	H/J	SW8260	
4-Methyl-2-pentanone	ND	48	ug/Kg	06/25/13	H/J	SW8260	
Acetone	ND	19	ug/Kg	06/25/13	H/J	SW8260	
Acrylonitrile	ND	9.7	ug/Kg	06/25/13	H/J	SW8260	
Benzene	ND	9.7	ug/Kg	06/25/13	H/J	SW8260	
Bromobenzene	ND	9.7	ug/Kg	06/25/13	H/J	SW8260	
Bromochloromethane	ND	9.7	ug/Kg	06/25/13	H/J	SW8260	
Bromodichloromethane	ND	9.7	ug/Kg	06/25/13	H/J	SW8260	
Bromoform	ND	9.7	ug/Kg	06/25/13	H/J	SW8260	
Bromomethane	ND	9.7	ug/Kg	06/25/13	H/J	SW8260	
Carbon Disulfide	ND	9.7	ug/Kg	06/25/13	H/J	SW8260	
Carbon tetrachloride	ND	9.7	ug/Kg	06/25/13	H/J	SW8260	
Chlorobenzene	ND	9.7	ug/Kg	06/25/13	H/J	SW8260	
Chloroethane	ND	9.7	ug/Kg	06/25/13	H/J	SW8260	
Chloroform	ND	9.7	ug/Kg	06/25/13	H/J	SW8260	
Chloromethane	ND	9.7	ug/Kg	06/25/13	H/J	SW8260	
cis-1,2-Dichloroethene	ND	9.7	ug/Kg	06/25/13	H/J	SW8260	
cis-1,3-Dichloropropene	ND	9.7	ug/Kg	06/25/13	H/J	SW8260	1
Dibromochloromethane	ND	5.8	ug/Kg	06/25/13	H/J	SW8260	
Dibromomethane	ND	9.7	ug/Kg	06/25/13	H/J	SW8260	
Dichlorodifluoromethane	ND	9.7	ug/Kg	06/25/13	H/J	SW8260	
Ethylbenzene	ND	9.7	ug/Kg	06/25/13	H/J	SW8260	
Hexachlorobutadiene	ND	9.7	ug/Kg	06/25/13	H/J	SW8260	
Isopropylbenzene	ND	9.7	ug/Kg	06/25/13	H/J	SW8260	
m&p-Xylene	ND	9.7	ug/Kg	06/25/13	H/J	SW8260	
Methyl Ethyl Ketone	ND	58	ug/Kg	06/25/13	H/J	SW8260	
Methyl t-butyl ether (MTBE)	ND	19	ug/Kg	06/25/13	H/J	SW8260	
Methylene chloride	ND	9.7	ug/Kg	06/25/13	H/J	SW8260	
Naphthalene	ND	9.7	ug/Kg	06/25/13	H/J	SW8260	
n-Butylbenzene	ND	9.7	ug/Kg	06/25/13	H/J	SW8260	
n-Propylbenzene	ND	9.7	ug/Kg	06/25/13	H/J	SW8260	
o-Xylene	ND	9.7	ug/Kg	06/25/13	H/J	SW8260	

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
p-Isopropyltoluene	ND	9.7	ug/Kg	06/25/13	H/J	SW8260	
sec-Butylbenzene	ND	9.7	ug/Kg	06/25/13	H/J	SW8260	
Styrene	ND	9.7	ug/Kg	06/25/13	H/J	SW8260	
tert-Butylbenzene	ND	9.7	ug/Kg	06/25/13	H/J	SW8260	
Tetrachloroethene	11	9.7	ug/Kg	06/25/13	H/J	SW8260	
Tetrahydrofuran (THF)	ND	19	ug/Kg	06/25/13	H/J	SW8260	1
Toluene	ND	9.7	ug/Kg	06/25/13	H/J	SW8260	
Total Xylenes	ND	9.7	ug/Kg	06/25/13	H/J	SW8260	
trans-1,2-Dichloroethene	ND	9.7	ug/Kg	06/25/13	H/J	SW8260	
trans-1,3-Dichloropropene	ND	9.7	ug/Kg	06/25/13	H/J	SW8260	
trans-1,4-dichloro-2-butene	ND	19	ug/Kg	06/25/13	H/J	SW8260	
Trichloroethene	ND	9.7	ug/Kg	06/25/13	H/J	SW8260	
Trichlorofluoromethane	ND	9.7	ug/Kg	06/25/13	H/J	SW8260	
Trichlorotrifluoroethane	ND	9.7	ug/Kg	06/25/13	H/J	SW8260	
Vinyl chloride	ND	9.7	ug/Kg	06/25/13	H/J	SW8260	
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	101		%	06/25/13	H/J	70 - 130 %	
% Bromofluorobenzene	96		%	06/25/13	H/J	70 - 130 %	
% Dibromofluoromethane	98		%	06/25/13	H/J	70 - 130 %	
% Toluene-d8	98		%	06/25/13	H/J	70 - 130 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	250	ug/Kg	06/23/13	DD	SW 8270
1,2,4-Trichlorobenzene	ND	250	ug/Kg	06/23/13	DD	SW 8270
1,2-Dichlorobenzene	ND	250	ug/Kg	06/23/13	DD	SW 8270
1,2-Diphenylhydrazine	ND	350	ug/Kg	06/23/13	DD	SW 8270
1,3-Dichlorobenzene	ND	250	ug/Kg	06/23/13	DD	SW 8270
1,4-Dichlorobenzene	ND	250	ug/Kg	06/23/13	DD	SW 8270
2,4,5-Trichlorophenol	ND	250	ug/Kg	06/23/13	DD	SW 8270
2,4,6-Trichlorophenol	ND	250	ug/Kg	06/23/13	DD	SW 8270
2,4-Dichlorophenol	ND	250	ug/Kg	06/23/13	DD	SW 8270
2,4-Dimethylphenol	ND	250	ug/Kg	06/23/13	DD	SW 8270
2,4-Dinitrophenol	ND	570	ug/Kg	06/23/13	DD	SW 8270
2,4-Dinitrotoluene	ND	250	ug/Kg	06/23/13	DD	SW 8270
2,6-Dinitrotoluene	ND	250	ug/Kg	06/23/13	DD	SW 8270
2-Chloronaphthalene	ND	250	ug/Kg	06/23/13	DD	SW 8270
2-Chlorophenol	ND	250	ug/Kg	06/23/13	DD	SW 8270
2-Methylnaphthalene	ND	250	ug/Kg	06/23/13	DD	SW 8270
2-Methylphenol (o-cresol)	ND	250	ug/Kg	06/23/13	DD	SW 8270
2-Nitroaniline	ND	570	ug/Kg	06/23/13	DD	SW 8270
2-Nitrophenol	ND	250	ug/Kg	06/23/13	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	350	ug/Kg	06/23/13	DD	SW 8270
3,3'-Dichlorobenzidine	ND	250	ug/Kg	06/23/13	DD	SW 8270
3-Nitroaniline	ND	570	ug/Kg	06/23/13	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1000	ug/Kg	06/23/13	DD	SW 8270
4-Bromophenyl phenyl ether	ND	350	ug/Kg	06/23/13	DD	SW 8270
4-Chloro-3-methylphenol	ND	250	ug/Kg	06/23/13	DD	SW 8270
4-Chloroaniline	ND	250	ug/Kg	06/23/13	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	250	ug/Kg	06/23/13	DD	SW 8270
4-Nitroaniline	ND	570	ug/Kg	06/23/13	DD	SW 8270

Project ID: 25-17 38TH AVE.
Client ID: SB2 1-3 FT

Phoenix I.D.: BD95568

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
4-Nitrophenol	ND	1000	ug/Kg	06/23/13	DD	SW 8270	
Acenaphthene	ND	250	ug/Kg	06/23/13	DD	SW 8270	
Acenaphthylene	610	250	ug/Kg	06/23/13	DD	SW 8270	
Acetophenone	ND	250	ug/Kg	06/23/13	DD	SW 8270	
Aniline	ND	1000	ug/Kg	06/23/13	DD	SW 8270	
Anthracene	750	250	ug/Kg	06/23/13	DD	SW 8270	
Benz(a)anthracene	3400	250	ug/Kg	06/23/13	DD	SW 8270	
Benzidine	ND	420	ug/Kg	06/23/13	DD	SW 8270	
Benzo(a)pyrene	2700	250	ug/Kg	06/23/13	DD	SW 8270	
Benzo(b)fluoranthene	4000	250	ug/Kg	06/23/13	DD	SW 8270	
Benzo(ghi)perylene	900	250	ug/Kg	06/23/13	DD	SW 8270	
Benzo(k)fluoranthene	1500	250	ug/Kg	06/23/13	DD	SW 8270	
Benzoic acid	ND	1000	ug/Kg	06/23/13	DD	SW 8270	LO
Benzyl butyl phthalate	ND	250	ug/Kg	06/23/13	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	250	ug/Kg	06/23/13	DD	SW 8270	
Bis(2-chloroethyl)ether	ND	350	ug/Kg	06/23/13	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	250	ug/Kg	06/23/13	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND	250	ug/Kg	06/23/13	DD	SW 8270	
Carbazole	ND	530	ug/Kg	06/23/13	DD	SW 8270	
Chrysene	3400	250	ug/Kg	06/23/13	DD	SW 8270	
Dibenz(a,h)anthracene	360	250	ug/Kg	06/23/13	DD	SW 8270	
Dibenzofuran	ND	250	ug/Kg	06/23/13	DD	SW 8270	
Diethyl phthalate	ND	250	ug/Kg	06/23/13	DD	SW 8270	
Dimethylphthalate	ND	250	ug/Kg	06/23/13	DD	SW 8270	
Di-n-butylphthalate	ND	250	ug/Kg	06/23/13	DD	SW 8270	
Di-n-octylphthalate	ND	250	ug/Kg	06/23/13	DD	SW 8270	
Fluoranthene	6100	250	ug/Kg	06/23/13	DD	SW 8270	
Fluorene	300	250	ug/Kg	06/23/13	DD	SW 8270	
Hexachlorobenzene	ND	250	ug/Kg	06/23/13	DD	SW 8270	
Hexachlorobutadiene	ND	250	ug/Kg	06/23/13	DD	SW 8270	
Hexachlorocyclopentadiene	ND	250	ug/Kg	06/23/13	DD	SW 8270	
Hexachloroethane	ND	250	ug/Kg	06/23/13	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	890	250	ug/Kg	06/23/13	DD	SW 8270	
Isophorone	ND	250	ug/Kg	06/23/13	DD	SW 8270	
Naphthalene	260	250	ug/Kg	06/23/13	DD	SW 8270	
Nitrobenzene	ND	250	ug/Kg	06/23/13	DD	SW 8270	
N-Nitrosodimethylamine	ND	350	ug/Kg	06/23/13	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	250	ug/Kg	06/23/13	DD	SW 8270	
N-Nitrosodiphenylamine	ND	350	ug/Kg	06/23/13	DD	SW 8270	
Pentachloronitrobenzene	ND	350	ug/Kg	06/23/13	DD	SW 8270	
Pentachlorophenol	ND	350	ug/Kg	06/23/13	DD	SW 8270	
Phenanthrene	2500	250	ug/Kg	06/23/13	DD	SW 8270	
Phenol	ND	250	ug/Kg	06/23/13	DD	SW 8270	
Pyrene	5000	250	ug/Kg	06/23/13	DD	SW 8270	
Pyridine	ND	350	ug/Kg	06/23/13	DD	SW 8270	
QA/QC Surrogates							
% 2,4,6-Tribromophenol	108		%	06/23/13	DD	30 - 130 %	
% 2-Fluorobiphenyl	96		%	06/23/13	DD	30 - 130 %	
% 2-Fluorophenol	82		%	06/23/13	DD	30 - 130 %	
% Nitrobenzene-d5	82		%	06/23/13	DD	30 - 130 %	

Project ID: 25-17 38TH AVE.
Client ID: SB2 1-3 FT

Phoenix I.D.: BD95568

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
% Phenol-d5	81		%	06/23/13	DD	30 - 130 %
% Terphenyl-d14	96		%	06/23/13	DD	30 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
1O = This parameter is not certified by NY NELAC for this matrix.
B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

* For Pesticides, due to matrix interference from non target compounds in the sample an elevated RL was reported.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
July 05, 2013
Reviewed and Released by: Phyllis Shiller, Laboratory Director

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

July 05, 2013

FOR: Attn: Mr. Frank Gehrling
Galli Engineering, P.C.
734 Walt Whitman Rd
Suite 402A
Melville, NY 11747

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	FG	06/20/13	0:00
Location Code:	GALLI-ENG	Received by:	LB	06/21/13	15:06
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBD95567
Phoenix ID: BD95569

Project ID: 25-17 38TH AVE.
Client ID: SB2 37-39 FT

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Silver	< 0.36	0.36	mg/Kg	06/24/13	EK	SW6010	
Aluminum	3290	54	mg/Kg	06/24/13	LK	SW6010	
Arsenic	< 0.7	0.7	mg/Kg	06/24/13	EK	SW6010	
Barium	42.4	0.36	mg/Kg	06/24/13	EK	SW6010	
Beryllium	< 0.29	0.29	mg/Kg	06/24/13	EK	SW6010	
Calcium	7060	5.4	mg/Kg	06/24/13	EK	SW6010	
Cadmium	< 0.36	0.36	mg/Kg	06/24/13	EK	SW6010	
Cobalt	2.37	0.36	mg/Kg	06/24/13	EK	SW6010	
Chromium	9.37	0.36	mg/Kg	06/24/13	EK	SW6010	
Copper	15.9	0.36	mg/kg	06/24/13	EK	SW6010	B
Iron	7220	5.4	mg/Kg	06/24/13	EK	SW6010	B
Mercury	< 0.07	0.07	mg/Kg	06/25/13	RS	SW-7471	
Potassium	845	5.4	mg/Kg	06/24/13	EK	SW6010	
Magnesium	4660	5.4	mg/Kg	06/24/13	EK	SW6010	
Manganese	280	3.6	mg/Kg	06/24/13	EK	SW6010	
Sodium	138	5.4	mg/Kg	06/24/13	EK	SW6010	
Nickel	8.54	0.36	mg/Kg	06/24/13	EK	SW6010	
Lead	44.9	0.36	mg/Kg	06/24/13	EK	SW6010	
Antimony	< 3.6	3.6	mg/Kg	06/24/13	EK	SW6010	
Selenium	< 1.4	1.4	mg/Kg	06/24/13	EK	SW6010	
Thallium	< 3.2	3.2	mg/Kg	06/24/13	EK	SW6010	
Vanadium	10.7	0.36	mg/Kg	06/24/13	EK	SW6010	
Zinc	28.5	0.36	mg/Kg	06/24/13	EK	SW6010	
Percent Solid	94		%	06/21/13	JL	E160.3	
Soil Extraction for PCB	Completed			06/21/13	BB	SW3545	
Soil Extraction for Pesticide	Completed			06/21/13	BB/V	SW3545	
Soil Extraction for SVOA	Completed			06/21/13	BJ/FV	SW3545	
Mercury Digestion	Completed			06/25/13	H/H	SW7471	

Project ID: 25-17 38TH AVE.
Client ID: SB2 37-39 FT

Phoenix I.D.: BD95569

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Total Metals Digest	Completed			06/21/13	Z/AG	SW846 - 3050	
Field Extraction	Completed			06/20/13		SW5035	
Polychlorinated Biphenyls							
PCB-1016	ND	70	ug/Kg	06/24/13	AW	SW 8082	
PCB-1221	ND	70	ug/Kg	06/24/13	AW	SW 8082	
PCB-1232	ND	70	ug/Kg	06/24/13	AW	SW 8082	
PCB-1242	ND	70	ug/Kg	06/24/13	AW	SW 8082	
PCB-1248	ND	70	ug/Kg	06/24/13	AW	SW 8082	
PCB-1254	ND	70	ug/Kg	06/24/13	AW	SW 8082	
PCB-1260	ND	70	ug/Kg	06/24/13	AW	SW 8082	
PCB-1262	ND	70	ug/Kg	06/24/13	AW	SW 8082	
PCB-1268	ND	70	ug/Kg	06/24/13	AW	SW 8082	
QA/QC Surrogates							
% DCBP	84		%	06/24/13	AW	30 - 150 %	
% TCMX	58		%	06/24/13	AW	30 - 150 %	
Pesticides							
4,4' -DDD	ND	2.1	ug/Kg	06/24/13	MH	SW8081	
4,4' -DDE	ND	2.1	ug/Kg	06/24/13	MH	SW8081	
4,4' -DDT	ND	2.1	ug/Kg	06/24/13	MH	SW8081	
a-BHC	ND	3.3	ug/Kg	06/24/13	MH	SW8081	
Alachlor	ND	3.3	ug/Kg	06/24/13	MH	SW8081	1
Aldrin	ND	1.7	ug/Kg	06/24/13	MH	SW8081	
b-BHC	ND	3.3	ug/Kg	06/24/13	MH	SW8081	
Chlordane	ND	10	ug/Kg	06/24/13	MH	SW8081	
d-BHC	ND	3.3	ug/Kg	06/24/13	MH	SW8081	
Dieldrin	ND	1.0	ug/Kg	06/24/13	MH	SW8081	
Endosulfan I	ND	3.3	ug/Kg	06/24/13	MH	SW8081	
Endosulfan II	ND	6.7	ug/Kg	06/24/13	MH	SW8081	
Endosulfan sulfate	ND	6.7	ug/Kg	06/24/13	MH	SW8081	
Endrin	ND	6.7	ug/Kg	06/24/13	MH	SW8081	
Endrin aldehyde	ND	6.7	ug/Kg	06/24/13	MH	SW8081	
Endrin ketone	ND	6.7	ug/Kg	06/24/13	MH	SW8081	
g-BHC	ND	1.0	ug/Kg	06/24/13	MH	SW8081	
Heptachlor	ND	2.1	ug/Kg	06/24/13	MH	SW8081	
Heptachlor epoxide	ND	3.3	ug/Kg	06/24/13	MH	SW8081	
Methoxychlor	ND	33	ug/Kg	06/24/13	MH	SW8081	
Toxaphene	ND	33	ug/Kg	06/24/13	MH	SW8081	
QA/QC Surrogates							
% DCBP	99		%	06/24/13	MH	30 - 150 %	
% TCMX	72		%	06/24/13	MH	30 - 150 %	
Volatiles							
1,1,1,2-Tetrachloroethane	ND	6.3	ug/Kg	06/25/13	H/J	SW8260	
1,1,1-Trichloroethane	ND	6.3	ug/Kg	06/25/13	H/J	SW8260	
1,1,2,2-Tetrachloroethane	ND	3.8	ug/Kg	06/25/13	H/J	SW8260	
1,1,2-Trichloroethane	ND	6.3	ug/Kg	06/25/13	H/J	SW8260	
1,1-Dichloroethane	ND	6.3	ug/Kg	06/25/13	H/J	SW8260	
1,1-Dichloroethene	ND	6.3	ug/Kg	06/25/13	H/J	SW8260	

Project ID: 25-17 38TH AVE.
Client ID: SB2 37-39 FT

Phoenix I.D.: BD95569

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
1,1-Dichloropropene	ND	6.3	ug/Kg	06/25/13	H/J	SW8260	
1,2,3-Trichlorobenzene	ND	6.3	ug/Kg	06/25/13	H/J	SW8260	
1,2,3-Trichloropropane	ND	6.3	ug/Kg	06/25/13	H/J	SW8260	
1,2,4-Trichlorobenzene	ND	6.3	ug/Kg	06/25/13	H/J	SW8260	
1,2,4-Trimethylbenzene	ND	6.3	ug/Kg	06/25/13	H/J	SW8260	
1,2-Dibromo-3-chloropropane	ND	6.3	ug/Kg	06/25/13	H/J	SW8260	
1,2-Dibromoethane	ND	6.3	ug/Kg	06/25/13	H/J	SW8260	
1,2-Dichlorobenzene	ND	6.3	ug/Kg	06/25/13	H/J	SW8260	
1,2-Dichloroethane	ND	6.3	ug/Kg	06/25/13	H/J	SW8260	
1,2-Dichloropropane	ND	6.3	ug/Kg	06/25/13	H/J	SW8260	
1,3,5-Trimethylbenzene	ND	6.3	ug/Kg	06/25/13	H/J	SW8260	
1,3-Dichlorobenzene	ND	6.3	ug/Kg	06/25/13	H/J	SW8260	
1,3-Dichloropropane	ND	6.3	ug/Kg	06/25/13	H/J	SW8260	
1,4-Dichlorobenzene	ND	6.3	ug/Kg	06/25/13	H/J	SW8260	
2,2-Dichloropropane	ND	6.3	ug/Kg	06/25/13	H/J	SW8260	
2-Chlorotoluene	ND	6.3	ug/Kg	06/25/13	H/J	SW8260	
2-Hexanone	ND	32	ug/Kg	06/25/13	H/J	SW8260	
2-Isopropyltoluene	ND	6.3	ug/Kg	06/25/13	H/J	SW8260	1
4-Chlorotoluene	ND	6.3	ug/Kg	06/25/13	H/J	SW8260	
4-Methyl-2-pentanone	ND	32	ug/Kg	06/25/13	H/J	SW8260	
Acetone	ND	38	ug/Kg	06/25/13	H/J	SW8260	
Acrylonitrile	ND	6.3	ug/Kg	06/25/13	H/J	SW8260	
Benzene	ND	6.3	ug/Kg	06/25/13	H/J	SW8260	
Bromobenzene	ND	6.3	ug/Kg	06/25/13	H/J	SW8260	
Bromochloromethane	ND	6.3	ug/Kg	06/25/13	H/J	SW8260	
Bromodichloromethane	ND	6.3	ug/Kg	06/25/13	H/J	SW8260	
Bromoform	ND	6.3	ug/Kg	06/25/13	H/J	SW8260	
Bromomethane	ND	6.3	ug/Kg	06/25/13	H/J	SW8260	
Carbon Disulfide	ND	6.3	ug/Kg	06/25/13	H/J	SW8260	
Carbon tetrachloride	ND	6.3	ug/Kg	06/25/13	H/J	SW8260	
Chlorobenzene	ND	6.3	ug/Kg	06/25/13	H/J	SW8260	
Chloroethane	ND	6.3	ug/Kg	06/25/13	H/J	SW8260	
Chloroform	ND	6.3	ug/Kg	06/25/13	H/J	SW8260	
Chloromethane	ND	6.3	ug/Kg	06/25/13	H/J	SW8260	
cis-1,2-Dichloroethene	ND	6.3	ug/Kg	06/25/13	H/J	SW8260	
cis-1,3-Dichloropropene	ND	6.3	ug/Kg	06/25/13	H/J	SW8260	1
Dibromochloromethane	ND	3.8	ug/Kg	06/25/13	H/J	SW8260	
Dibromomethane	ND	6.3	ug/Kg	06/25/13	H/J	SW8260	
Dichlorodifluoromethane	ND	6.3	ug/Kg	06/25/13	H/J	SW8260	
Ethylbenzene	ND	6.3	ug/Kg	06/25/13	H/J	SW8260	
Hexachlorobutadiene	ND	6.3	ug/Kg	06/25/13	H/J	SW8260	
Isopropylbenzene	ND	6.3	ug/Kg	06/25/13	H/J	SW8260	
m&p-Xylene	ND	6.3	ug/Kg	06/25/13	H/J	SW8260	
Methyl Ethyl Ketone	ND	38	ug/Kg	06/25/13	H/J	SW8260	
Methyl t-butyl ether (MTBE)	ND	13	ug/Kg	06/25/13	H/J	SW8260	
Methylene chloride	ND	6.3	ug/Kg	06/25/13	H/J	SW8260	
Naphthalene	ND	6.3	ug/Kg	06/25/13	H/J	SW8260	
n-Butylbenzene	ND	6.3	ug/Kg	06/25/13	H/J	SW8260	
n-Propylbenzene	ND	6.3	ug/Kg	06/25/13	H/J	SW8260	
o-Xylene	ND	6.3	ug/Kg	06/25/13	H/J	SW8260	

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
p-Isopropyltoluene	ND	6.3	ug/Kg	06/25/13	H/J	SW8260	
sec-Butylbenzene	ND	6.3	ug/Kg	06/25/13	H/J	SW8260	
Styrene	ND	6.3	ug/Kg	06/25/13	H/J	SW8260	
tert-Butylbenzene	ND	6.3	ug/Kg	06/25/13	H/J	SW8260	
Tetrachloroethene	ND	6.3	ug/Kg	06/25/13	H/J	SW8260	
Tetrahydrofuran (THF)	ND	13	ug/Kg	06/25/13	H/J	SW8260	1
Toluene	ND	6.3	ug/Kg	06/25/13	H/J	SW8260	
Total Xylenes	ND	6.3	ug/Kg	06/25/13	H/J	SW8260	
trans-1,2-Dichloroethene	ND	6.3	ug/Kg	06/25/13	H/J	SW8260	
trans-1,3-Dichloropropene	ND	6.3	ug/Kg	06/25/13	H/J	SW8260	
trans-1,4-dichloro-2-butene	ND	13	ug/Kg	06/25/13	H/J	SW8260	
Trichloroethene	ND	6.3	ug/Kg	06/25/13	H/J	SW8260	
Trichlorofluoromethane	ND	6.3	ug/Kg	06/25/13	H/J	SW8260	
Trichlorotrifluoroethane	ND	6.3	ug/Kg	06/25/13	H/J	SW8260	
Vinyl chloride	ND	6.3	ug/Kg	06/25/13	H/J	SW8260	
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	97		%	06/25/13	H/J	70 - 130 %	
% Bromofluorobenzene	98		%	06/25/13	H/J	70 - 130 %	
% Dibromofluoromethane	97		%	06/25/13	H/J	70 - 130 %	
% Toluene-d8	96		%	06/25/13	H/J	70 - 130 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	250	ug/Kg	06/21/13	DD	SW 8270
1,2,4-Trichlorobenzene	ND	250	ug/Kg	06/21/13	DD	SW 8270
1,2-Dichlorobenzene	ND	250	ug/Kg	06/21/13	DD	SW 8270
1,2-Diphenylhydrazine	ND	350	ug/Kg	06/21/13	DD	SW 8270
1,3-Dichlorobenzene	ND	250	ug/Kg	06/21/13	DD	SW 8270
1,4-Dichlorobenzene	ND	250	ug/Kg	06/21/13	DD	SW 8270
2,4,5-Trichlorophenol	ND	250	ug/Kg	06/21/13	DD	SW 8270
2,4,6-Trichlorophenol	ND	250	ug/Kg	06/21/13	DD	SW 8270
2,4-Dichlorophenol	ND	250	ug/Kg	06/21/13	DD	SW 8270
2,4-Dimethylphenol	ND	250	ug/Kg	06/21/13	DD	SW 8270
2,4-Dinitrophenol	ND	570	ug/Kg	06/21/13	DD	SW 8270
2,4-Dinitrotoluene	ND	250	ug/Kg	06/21/13	DD	SW 8270
2,6-Dinitrotoluene	ND	250	ug/Kg	06/21/13	DD	SW 8270
2-Chloronaphthalene	ND	250	ug/Kg	06/21/13	DD	SW 8270
2-Chlorophenol	ND	250	ug/Kg	06/21/13	DD	SW 8270
2-Methylnaphthalene	ND	250	ug/Kg	06/21/13	DD	SW 8270
2-Methylphenol (o-cresol)	ND	250	ug/Kg	06/21/13	DD	SW 8270
2-Nitroaniline	ND	570	ug/Kg	06/21/13	DD	SW 8270
2-Nitrophenol	ND	250	ug/Kg	06/21/13	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	350	ug/Kg	06/21/13	DD	SW 8270
3,3'-Dichlorobenzidine	ND	250	ug/Kg	06/21/13	DD	SW 8270
3-Nitroaniline	ND	570	ug/Kg	06/21/13	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1000	ug/Kg	06/21/13	DD	SW 8270
4-Bromophenyl phenyl ether	ND	350	ug/Kg	06/21/13	DD	SW 8270
4-Chloro-3-methylphenol	ND	250	ug/Kg	06/21/13	DD	SW 8270
4-Chloroaniline	ND	250	ug/Kg	06/21/13	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	250	ug/Kg	06/21/13	DD	SW 8270
4-Nitroaniline	ND	570	ug/Kg	06/21/13	DD	SW 8270

Project ID: 25-17 38TH AVE.
Client ID: SB2 37-39 FT

Phoenix I.D.: BD95569

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
4-Nitrophenol	ND	1000	ug/Kg	06/21/13	DD	SW 8270	
Acenaphthene	ND	250	ug/Kg	06/21/13	DD	SW 8270	
Acenaphthylene	ND	250	ug/Kg	06/21/13	DD	SW 8270	
Acetophenone	ND	250	ug/Kg	06/21/13	DD	SW 8270	
Aniline	ND	1000	ug/Kg	06/21/13	DD	SW 8270	
Anthracene	ND	250	ug/Kg	06/21/13	DD	SW 8270	
Benz(a)anthracene	360	250	ug/Kg	06/21/13	DD	SW 8270	
Benzidine	ND	420	ug/Kg	06/21/13	DD	SW 8270	
Benzo(a)pyrene	310	250	ug/Kg	06/21/13	DD	SW 8270	
Benzo(b)fluoranthene	500	250	ug/Kg	06/21/13	DD	SW 8270	
Benzo(ghi)perylene	ND	250	ug/Kg	06/21/13	DD	SW 8270	
Benzo(k)fluoranthene	ND	250	ug/Kg	06/21/13	DD	SW 8270	
Benzoic acid	ND	1000	ug/Kg	06/21/13	DD	SW 8270	LO
Benzyl butyl phthalate	ND	250	ug/Kg	06/21/13	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	250	ug/Kg	06/21/13	DD	SW 8270	
Bis(2-chloroethyl)ether	ND	350	ug/Kg	06/21/13	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	250	ug/Kg	06/21/13	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND	250	ug/Kg	06/21/13	DD	SW 8270	
Carbazole	ND	530	ug/Kg	06/21/13	DD	SW 8270	
Chrysene	350	250	ug/Kg	06/21/13	DD	SW 8270	
Dibenz(a,h)anthracene	ND	250	ug/Kg	06/21/13	DD	SW 8270	
Dibenzofuran	ND	250	ug/Kg	06/21/13	DD	SW 8270	
Diethyl phthalate	ND	250	ug/Kg	06/21/13	DD	SW 8270	
Dimethylphthalate	ND	250	ug/Kg	06/21/13	DD	SW 8270	
Di-n-butylphthalate	ND	250	ug/Kg	06/21/13	DD	SW 8270	
Di-n-octylphthalate	ND	250	ug/Kg	06/21/13	DD	SW 8270	
Fluoranthene	640	250	ug/Kg	06/21/13	DD	SW 8270	
Fluorene	ND	250	ug/Kg	06/21/13	DD	SW 8270	
Hexachlorobenzene	ND	250	ug/Kg	06/21/13	DD	SW 8270	
Hexachlorobutadiene	ND	250	ug/Kg	06/21/13	DD	SW 8270	
Hexachlorocyclopentadiene	ND	250	ug/Kg	06/21/13	DD	SW 8270	
Hexachloroethane	ND	250	ug/Kg	06/21/13	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND	250	ug/Kg	06/21/13	DD	SW 8270	
Isophorone	ND	250	ug/Kg	06/21/13	DD	SW 8270	
Naphthalene	ND	250	ug/Kg	06/21/13	DD	SW 8270	
Nitrobenzene	ND	250	ug/Kg	06/21/13	DD	SW 8270	
N-Nitrosodimethylamine	ND	350	ug/Kg	06/21/13	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	250	ug/Kg	06/21/13	DD	SW 8270	
N-Nitrosodiphenylamine	ND	350	ug/Kg	06/21/13	DD	SW 8270	
Pentachloronitrobenzene	ND	350	ug/Kg	06/21/13	DD	SW 8270	
Pentachlorophenol	ND	350	ug/Kg	06/21/13	DD	SW 8270	
Phenanthrene	ND	250	ug/Kg	06/21/13	DD	SW 8270	
Phenol	ND	250	ug/Kg	06/21/13	DD	SW 8270	
Pyrene	550	250	ug/Kg	06/21/13	DD	SW 8270	
Pyridine	ND	350	ug/Kg	06/21/13	DD	SW 8270	
QA/QC Surrogates							
% 2,4,6-Tribromophenol	99		%	06/21/13	DD	30 - 130 %	
% 2-Fluorobiphenyl	81		%	06/21/13	DD	30 - 130 %	
% 2-Fluorophenol	66		%	06/21/13	DD	30 - 130 %	
% Nitrobenzene-d5	74		%	06/21/13	DD	30 - 130 %	

Project ID: 25-17 38TH AVE.
Client ID: SB2 37-39 FT

Phoenix I.D.: BD95569

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
% Phenol-d5	73		%	06/21/13	DD	30 - 130 %
% Terphenyl-d14	91		%	06/21/13	DD	30 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
1O = This parameter is not certified by NY NELAC for this matrix.
B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
July 05, 2013
Reviewed and Released by: Phyllis Shiller, Laboratory Director

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

July 05, 2013

FOR: Attn: Mr. Frank Gehrling
Galli Engineering, P.C.
734 Walt Whitman Rd
Suite 402A
Melville, NY 11747

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	FG	06/20/13	0:00
Location Code:	GALLI-ENG	Received by:	LB	06/21/13	15:06
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBD95567
Phoenix ID: BD95570

Project ID: 25-17 38TH AVE.
Client ID: SB3

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Silver	< 0.38	0.38	mg/Kg	06/24/13	EK	SW6010	
Aluminum	10300	57	mg/Kg	06/24/13	LK	SW6010	
Arsenic	2.9	0.8	mg/Kg	06/24/13	EK	SW6010	
Barium	119	0.38	mg/Kg	06/24/13	EK	SW6010	
Beryllium	0.41	0.30	mg/Kg	06/24/13	EK	SW6010	
Calcium	7560	5.7	mg/Kg	06/24/13	EK	SW6010	
Cadmium	0.78	0.38	mg/Kg	06/24/13	EK	SW6010	
Cobalt	6.63	0.38	mg/Kg	06/24/13	EK	SW6010	
Chromium	23.0	0.38	mg/Kg	06/24/13	EK	SW6010	
Copper	35.6	0.38	mg/kg	06/24/13	EK	SW6010	B
Iron	25800	57	mg/Kg	06/24/13	EK	SW6010	B
Mercury	0.19	0.08	mg/Kg	06/25/13	RS	SW-7471	
Potassium	1770	5.7	mg/Kg	06/24/13	EK	SW6010	
Magnesium	3980	5.7	mg/Kg	06/24/13	EK	SW6010	
Manganese	552	3.8	mg/Kg	06/24/13	EK	SW6010	
Sodium	239	5.7	mg/Kg	06/24/13	EK	SW6010	
Nickel	18.2	0.38	mg/Kg	06/24/13	EK	SW6010	
Lead	76.6	0.38	mg/Kg	06/24/13	EK	SW6010	
Antimony	< 3.8	3.8	mg/Kg	06/24/13	EK	SW6010	
Selenium	< 1.5	1.5	mg/Kg	06/24/13	EK	SW6010	
Thallium	< 3.4	3.4	mg/Kg	06/24/13	EK	SW6010	
Vanadium	33.7	0.38	mg/Kg	06/24/13	EK	SW6010	
Zinc	81.1	0.38	mg/Kg	06/24/13	EK	SW6010	
Percent Solid	92		%	06/21/13	JL	E160.3	
Soil Extraction for PCB	Completed			06/21/13	BB	SW3545	
Soil Extraction for Pesticide	Completed			06/21/13	BB/V	SW3545	
Soil Extraction for SVOA	Completed			06/21/13	BJ/FV	SW3545	
Mercury Digestion	Completed			06/25/13	H/H	SW7471	

Project ID: 25-17 38TH AVE.
Client ID: SB3

Phoenix I.D.: BD95570

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Total Metals Digest	Completed			06/21/13	Z/AG	SW846 - 3050	
Field Extraction	Completed			06/20/13		SW5035	
Polychlorinated Biphenyls							
PCB-1016	ND	71	ug/Kg	06/24/13	AW	SW 8082	
PCB-1221	ND	71	ug/Kg	06/24/13	AW	SW 8082	
PCB-1232	ND	71	ug/Kg	06/24/13	AW	SW 8082	
PCB-1242	ND	71	ug/Kg	06/24/13	AW	SW 8082	
PCB-1248	ND	71	ug/Kg	06/24/13	AW	SW 8082	
PCB-1254	ND	71	ug/Kg	06/24/13	AW	SW 8082	
PCB-1260	190	71	ug/Kg	06/24/13	AW	SW 8082	
PCB-1262	ND	71	ug/Kg	06/24/13	AW	SW 8082	
PCB-1268	ND	71	ug/Kg	06/24/13	AW	SW 8082	
QA/QC Surrogates							
% DCBP	87		%	06/24/13	AW	30 - 150 %	
% TCMX	58		%	06/24/13	AW	30 - 150 %	
Pesticides							
4,4' -DDD	ND*	18	ug/Kg	06/24/13	MH	SW8081	
4,4' -DDE	ND*	4.3	ug/Kg	06/24/13	MH	SW8081	
4,4' -DDT	ND*	5.7	ug/Kg	06/24/13	MH	SW8081	
a-BHC	ND	3.4	ug/Kg	06/24/13	MH	SW8081	
Alachlor	ND	3.4	ug/Kg	06/24/13	MH	SW8081	1
Aldrin	ND*	1.8	ug/Kg	06/24/13	MH	SW8081	
b-BHC	ND	3.4	ug/Kg	06/24/13	MH	SW8081	
Chlordane	ND*	120	ug/Kg	06/24/13	MH	SW8081	
d-BHC	ND	3.4	ug/Kg	06/24/13	MH	SW8081	
Dieldrin	ND*	3.9	ug/Kg	06/24/13	MH	SW8081	
Endosulfan I	ND	3.4	ug/Kg	06/24/13	MH	SW8081	
Endosulfan II	ND	6.8	ug/Kg	06/24/13	MH	SW8081	
Endosulfan sulfate	ND	6.8	ug/Kg	06/24/13	MH	SW8081	
Endrin	ND	6.8	ug/Kg	06/24/13	MH	SW8081	
Endrin aldehyde	ND	6.8	ug/Kg	06/24/13	MH	SW8081	
Endrin ketone	ND	6.8	ug/Kg	06/24/13	MH	SW8081	
g-BHC	ND	1.1	ug/Kg	06/24/13	MH	SW8081	
Heptachlor	ND	2.1	ug/Kg	06/24/13	MH	SW8081	
Heptachlor epoxide	ND	3.4	ug/Kg	06/24/13	MH	SW8081	
Methoxychlor	ND	34	ug/Kg	06/24/13	MH	SW8081	
Toxaphene	ND	34	ug/Kg	06/24/13	MH	SW8081	
QA/QC Surrogates							
% DCBP	100		%	06/24/13	MH	30 - 150 %	
% TCMX	77		%	06/24/13	MH	30 - 150 %	
Volatiles							
1,1,1,2-Tetrachloroethane	ND	6.8	ug/Kg	06/27/13	R/J	SW8260	
1,1,1-Trichloroethane	ND	6.8	ug/Kg	06/27/13	R/J	SW8260	
1,1,2,2-Tetrachloroethane	ND	4.1	ug/Kg	06/27/13	R/J	SW8260	
1,1,2-Trichloroethane	ND	6.8	ug/Kg	06/27/13	R/J	SW8260	
1,1-Dichloroethane	ND	6.8	ug/Kg	06/27/13	R/J	SW8260	
1,1-Dichloroethene	ND	6.8	ug/Kg	06/27/13	R/J	SW8260	

Project ID: 25-17 38TH AVE.
Client ID: SB3

Phoenix I.D.: BD95570

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
1,1-Dichloropropene	ND	6.8	ug/Kg	06/27/13	R/J	SW8260	
1,2,3-Trichlorobenzene	ND	6.8	ug/Kg	06/27/13	R/J	SW8260	
1,2,3-Trichloropropane	ND	6.8	ug/Kg	06/27/13	R/J	SW8260	
1,2,4-Trichlorobenzene	ND	6.8	ug/Kg	06/27/13	R/J	SW8260	
1,2,4-Trimethylbenzene	ND	6.8	ug/Kg	06/27/13	R/J	SW8260	
1,2-Dibromo-3-chloropropane	ND	6.8	ug/Kg	06/27/13	R/J	SW8260	
1,2-Dibromoethane	ND	6.8	ug/Kg	06/27/13	R/J	SW8260	
1,2-Dichlorobenzene	ND	6.8	ug/Kg	06/27/13	R/J	SW8260	
1,2-Dichloroethane	ND	6.8	ug/Kg	06/27/13	R/J	SW8260	
1,2-Dichloropropane	ND	6.8	ug/Kg	06/27/13	R/J	SW8260	
1,3,5-Trimethylbenzene	ND	6.8	ug/Kg	06/27/13	R/J	SW8260	
1,3-Dichlorobenzene	ND	6.8	ug/Kg	06/27/13	R/J	SW8260	
1,3-Dichloropropane	ND	6.8	ug/Kg	06/27/13	R/J	SW8260	
1,4-Dichlorobenzene	ND	6.8	ug/Kg	06/27/13	R/J	SW8260	
2,2-Dichloropropane	ND	6.8	ug/Kg	06/27/13	R/J	SW8260	
2-Chlorotoluene	ND	6.8	ug/Kg	06/27/13	R/J	SW8260	
2-Hexanone	ND	34	ug/Kg	06/27/13	R/J	SW8260	
2-Isopropyltoluene	ND	6.8	ug/Kg	06/27/13	R/J	SW8260	1
4-Chlorotoluene	ND	6.8	ug/Kg	06/27/13	R/J	SW8260	
4-Methyl-2-pentanone	ND	34	ug/Kg	06/27/13	R/J	SW8260	
Acetone	ND	41	ug/Kg	06/27/13	R/J	SW8260	
Acrylonitrile	ND	6.8	ug/Kg	06/27/13	R/J	SW8260	
Benzene	ND	6.8	ug/Kg	06/27/13	R/J	SW8260	
Bromobenzene	ND	6.8	ug/Kg	06/27/13	R/J	SW8260	
Bromochloromethane	ND	6.8	ug/Kg	06/27/13	R/J	SW8260	
Bromodichloromethane	ND	6.8	ug/Kg	06/27/13	R/J	SW8260	
Bromoform	ND	6.8	ug/Kg	06/27/13	R/J	SW8260	
Bromomethane	ND	6.8	ug/Kg	06/27/13	R/J	SW8260	
Carbon Disulfide	ND	6.8	ug/Kg	06/27/13	R/J	SW8260	
Carbon tetrachloride	ND	6.8	ug/Kg	06/27/13	R/J	SW8260	
Chlorobenzene	ND	6.8	ug/Kg	06/27/13	R/J	SW8260	
Chloroethane	ND	6.8	ug/Kg	06/27/13	R/J	SW8260	
Chloroform	ND	6.8	ug/Kg	06/27/13	R/J	SW8260	
Chloromethane	ND	6.8	ug/Kg	06/27/13	R/J	SW8260	
cis-1,2-Dichloroethene	ND	6.8	ug/Kg	06/27/13	R/J	SW8260	
cis-1,3-Dichloropropene	ND	6.8	ug/Kg	06/27/13	R/J	SW8260	1
Dibromochloromethane	ND	4.1	ug/Kg	06/27/13	R/J	SW8260	
Dibromomethane	ND	6.8	ug/Kg	06/27/13	R/J	SW8260	
Dichlorodifluoromethane	ND	6.8	ug/Kg	06/27/13	R/J	SW8260	
Ethylbenzene	ND	6.8	ug/Kg	06/27/13	R/J	SW8260	
Hexachlorobutadiene	ND	6.8	ug/Kg	06/27/13	R/J	SW8260	
Isopropylbenzene	ND	6.8	ug/Kg	06/27/13	R/J	SW8260	
m&p-Xylene	ND	6.8	ug/Kg	06/27/13	R/J	SW8260	
Methyl Ethyl Ketone	ND	41	ug/Kg	06/27/13	R/J	SW8260	
Methyl t-butyl ether (MTBE)	ND	14	ug/Kg	06/27/13	R/J	SW8260	
Methylene chloride	ND	6.8	ug/Kg	06/27/13	R/J	SW8260	
Naphthalene	ND	6.8	ug/Kg	06/27/13	R/J	SW8260	
n-Butylbenzene	ND	6.8	ug/Kg	06/27/13	R/J	SW8260	
n-Propylbenzene	ND	6.8	ug/Kg	06/27/13	R/J	SW8260	
o-Xylene	ND	6.8	ug/Kg	06/27/13	R/J	SW8260	

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
p-Isopropyltoluene	ND	6.8	ug/Kg	06/27/13	R/J	SW8260	
sec-Butylbenzene	ND	6.8	ug/Kg	06/27/13	R/J	SW8260	
Styrene	ND	6.8	ug/Kg	06/27/13	R/J	SW8260	
tert-Butylbenzene	ND	6.8	ug/Kg	06/27/13	R/J	SW8260	
Tetrachloroethene	7.5	6.8	ug/Kg	06/27/13	R/J	SW8260	
Tetrahydrofuran (THF)	ND	14	ug/Kg	06/27/13	R/J	SW8260	1
Toluene	ND	6.8	ug/Kg	06/27/13	R/J	SW8260	
Total Xylenes	ND	6.8	ug/Kg	06/27/13	R/J	SW8260	
trans-1,2-Dichloroethene	ND	6.8	ug/Kg	06/27/13	R/J	SW8260	
trans-1,3-Dichloropropene	ND	6.8	ug/Kg	06/27/13	R/J	SW8260	
trans-1,4-dichloro-2-butene	ND	14	ug/Kg	06/27/13	R/J	SW8260	
Trichloroethene	ND	6.8	ug/Kg	06/27/13	R/J	SW8260	
Trichlorofluoromethane	ND	6.8	ug/Kg	06/27/13	R/J	SW8260	
Trichlorotrifluoroethane	ND	6.8	ug/Kg	06/27/13	R/J	SW8260	
Vinyl chloride	ND	6.8	ug/Kg	06/27/13	R/J	SW8260	
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	103		%	06/27/13	R/J	70 - 130 %	
% Bromofluorobenzene	88		%	06/27/13	R/J	70 - 130 %	
% Dibromofluoromethane	100		%	06/27/13	R/J	70 - 130 %	
% Toluene-d8	93		%	06/27/13	R/J	70 - 130 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	250	ug/Kg	06/21/13	DD	SW 8270
1,2,4-Trichlorobenzene	ND	250	ug/Kg	06/21/13	DD	SW 8270
1,2-Dichlorobenzene	ND	250	ug/Kg	06/21/13	DD	SW 8270
1,2-Diphenylhydrazine	ND	350	ug/Kg	06/21/13	DD	SW 8270
1,3-Dichlorobenzene	ND	250	ug/Kg	06/21/13	DD	SW 8270
1,4-Dichlorobenzene	ND	250	ug/Kg	06/21/13	DD	SW 8270
2,4,5-Trichlorophenol	ND	250	ug/Kg	06/21/13	DD	SW 8270
2,4,6-Trichlorophenol	ND	250	ug/Kg	06/21/13	DD	SW 8270
2,4-Dichlorophenol	ND	250	ug/Kg	06/21/13	DD	SW 8270
2,4-Dimethylphenol	ND	250	ug/Kg	06/21/13	DD	SW 8270
2,4-Dinitrophenol	ND	570	ug/Kg	06/21/13	DD	SW 8270
2,4-Dinitrotoluene	ND	250	ug/Kg	06/21/13	DD	SW 8270
2,6-Dinitrotoluene	ND	250	ug/Kg	06/21/13	DD	SW 8270
2-Chloronaphthalene	ND	250	ug/Kg	06/21/13	DD	SW 8270
2-Chlorophenol	ND	250	ug/Kg	06/21/13	DD	SW 8270
2-Methylnaphthalene	ND	250	ug/Kg	06/21/13	DD	SW 8270
2-Methylphenol (o-cresol)	ND	250	ug/Kg	06/21/13	DD	SW 8270
2-Nitroaniline	ND	570	ug/Kg	06/21/13	DD	SW 8270
2-Nitrophenol	ND	250	ug/Kg	06/21/13	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	350	ug/Kg	06/21/13	DD	SW 8270
3,3'-Dichlorobenzidine	ND	250	ug/Kg	06/21/13	DD	SW 8270
3-Nitroaniline	ND	570	ug/Kg	06/21/13	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1000	ug/Kg	06/21/13	DD	SW 8270
4-Bromophenyl phenyl ether	ND	350	ug/Kg	06/21/13	DD	SW 8270
4-Chloro-3-methylphenol	ND	250	ug/Kg	06/21/13	DD	SW 8270
4-Chloroaniline	ND	250	ug/Kg	06/21/13	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	250	ug/Kg	06/21/13	DD	SW 8270
4-Nitroaniline	ND	570	ug/Kg	06/21/13	DD	SW 8270

Project ID: 25-17 38TH AVE.
Client ID: SB3

Phoenix I.D.: BD95570

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
4-Nitrophenol	ND	1000	ug/Kg	06/21/13	DD	SW 8270	
Acenaphthene	ND	250	ug/Kg	06/21/13	DD	SW 8270	
Acenaphthylene	ND	250	ug/Kg	06/21/13	DD	SW 8270	
Acetophenone	ND	250	ug/Kg	06/21/13	DD	SW 8270	
Aniline	ND	1000	ug/Kg	06/21/13	DD	SW 8270	
Anthracene	500	250	ug/Kg	06/21/13	DD	SW 8270	
Benz(a)anthracene	1800	250	ug/Kg	06/21/13	DD	SW 8270	
Benzidine	ND	420	ug/Kg	06/21/13	DD	SW 8270	
Benzo(a)pyrene	1700	250	ug/Kg	06/21/13	DD	SW 8270	
Benzo(b)fluoranthene	2600	250	ug/Kg	06/21/13	DD	SW 8270	
Benzo(ghi)perylene	1500	250	ug/Kg	06/21/13	DD	SW 8270	
Benzo(k)fluoranthene	840	250	ug/Kg	06/21/13	DD	SW 8270	
Benzoic acid	ND	1000	ug/Kg	06/21/13	DD	SW 8270	LO
Benzyl butyl phthalate	530	250	ug/Kg	06/21/13	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	250	ug/Kg	06/21/13	DD	SW 8270	
Bis(2-chloroethyl)ether	ND	350	ug/Kg	06/21/13	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	250	ug/Kg	06/21/13	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	2200	250	ug/Kg	06/21/13	DD	SW 8270	
Carbazole	ND	530	ug/Kg	06/21/13	DD	SW 8270	
Chrysene	2000	250	ug/Kg	06/21/13	DD	SW 8270	
Dibenz(a,h)anthracene	370	250	ug/Kg	06/21/13	DD	SW 8270	
Dibenzofuran	ND	250	ug/Kg	06/21/13	DD	SW 8270	
Diethyl phthalate	ND	250	ug/Kg	06/21/13	DD	SW 8270	
Dimethylphthalate	ND	250	ug/Kg	06/21/13	DD	SW 8270	
Di-n-butylphthalate	ND	250	ug/Kg	06/21/13	DD	SW 8270	
Di-n-octylphthalate	ND	250	ug/Kg	06/21/13	DD	SW 8270	
Fluoranthene	4300	250	ug/Kg	06/21/13	DD	SW 8270	
Fluorene	ND	250	ug/Kg	06/21/13	DD	SW 8270	
Hexachlorobenzene	ND	250	ug/Kg	06/21/13	DD	SW 8270	
Hexachlorobutadiene	ND	250	ug/Kg	06/21/13	DD	SW 8270	
Hexachlorocyclopentadiene	ND	250	ug/Kg	06/21/13	DD	SW 8270	
Hexachloroethane	ND	250	ug/Kg	06/21/13	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	1300	250	ug/Kg	06/21/13	DD	SW 8270	
Isophorone	ND	250	ug/Kg	06/21/13	DD	SW 8270	
Naphthalene	ND	250	ug/Kg	06/21/13	DD	SW 8270	
Nitrobenzene	ND	250	ug/Kg	06/21/13	DD	SW 8270	
N-Nitrosodimethylamine	ND	350	ug/Kg	06/21/13	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	250	ug/Kg	06/21/13	DD	SW 8270	
N-Nitrosodiphenylamine	ND	350	ug/Kg	06/21/13	DD	SW 8270	
Pentachloronitrobenzene	ND	350	ug/Kg	06/21/13	DD	SW 8270	
Pentachlorophenol	ND	350	ug/Kg	06/21/13	DD	SW 8270	
Phenanthrene	2000	250	ug/Kg	06/21/13	DD	SW 8270	
Phenol	ND	250	ug/Kg	06/21/13	DD	SW 8270	
Pyrene	3700	250	ug/Kg	06/21/13	DD	SW 8270	
Pyridine	ND	350	ug/Kg	06/21/13	DD	SW 8270	
QA/QC Surrogates							
% 2,4,6-Tribromophenol	100		%	06/21/13	DD	30 - 130 %	
% 2-Fluorobiphenyl	85		%	06/21/13	DD	30 - 130 %	
% 2-Fluorophenol	76		%	06/21/13	DD	30 - 130 %	
% Nitrobenzene-d5	81		%	06/21/13	DD	30 - 130 %	

Project ID: 25-17 38TH AVE.
Client ID: SB3

Phoenix I.D.: BD95570

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
% Phenol-d5	83		%	06/21/13	DD	30 - 130 %
% Terphenyl-d14	86		%	06/21/13	DD	30 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
1O = This parameter is not certified by NY NELAC for this matrix.
B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

* For Pesticides, due to matrix interference caused by the presence of PCB's in the samples an elevated MDL was reported.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
July 05, 2013
Reviewed and Released by: Phyllis Shiller, Laboratory Director

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

July 05, 2013

FOR: Attn: Mr. Frank Gehrling
Galli Engineering, P.C.
734 Walt Whitman Rd
Suite 402A
Melville, NY 11747

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	FG	06/20/13	0:00
Location Code:	GALLI-ENG	Received by:	LB	06/21/13	15:06
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBD95567
Phoenix ID: BD95571

Project ID: 25-17 38TH AVE.
Client ID: SB4 8-10 FT

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Silver	< 0.33	0.33	mg/Kg	06/24/13	EK	SW6010	
Aluminum	5060	49	mg/Kg	06/24/13	LK	SW6010	
Arsenic	< 0.7	0.7	mg/Kg	06/24/13	EK	SW6010	
Barium	27.5	0.33	mg/Kg	06/24/13	EK	SW6010	
Beryllium	< 0.26	0.26	mg/Kg	06/24/13	EK	SW6010	
Calcium	1780	4.9	mg/Kg	06/24/13	EK	SW6010	
Cadmium	< 0.33	0.33	mg/Kg	06/24/13	EK	SW6010	
Cobalt	3.94	0.33	mg/Kg	06/24/13	EK	SW6010	
Chromium	12.4	0.33	mg/Kg	06/24/13	EK	SW6010	
Copper	17.2	0.33	mg/kg	06/24/13	EK	SW6010	B
Iron	10400	49	mg/Kg	06/24/13	EK	SW6010	B
Mercury	< 0.08	0.08	mg/Kg	06/25/13	RS	SW-7471	
Potassium	1220	4.9	mg/Kg	06/24/13	EK	SW6010	
Magnesium	3410	4.9	mg/Kg	06/24/13	EK	SW6010	
Manganese	227	3.3	mg/Kg	06/24/13	EK	SW6010	
Sodium	199	4.9	mg/Kg	06/24/13	EK	SW6010	
Nickel	13.1	0.33	mg/Kg	06/24/13	EK	SW6010	
Lead	2.84	0.33	mg/Kg	06/24/13	EK	SW6010	
Antimony	< 3.3	3.3	mg/Kg	06/24/13	EK	SW6010	
Selenium	< 1.3	1.3	mg/Kg	06/24/13	EK	SW6010	
Thallium	< 2.9	2.9	mg/Kg	06/24/13	EK	SW6010	
Vanadium	17.7	0.33	mg/Kg	06/24/13	EK	SW6010	
Zinc	17.0	0.33	mg/Kg	06/24/13	EK	SW6010	
Percent Solid	97		%	06/21/13	JL	E160.3	
Soil Extraction for PCB	Completed			06/21/13	BB	SW3545	
Soil Extraction for Pesticide	Completed			06/21/13	BB/V	SW3545	
Soil Extraction for SVOA	Completed			06/21/13	BJ/FV	SW3545	
Mercury Digestion	Completed			06/25/13	H/H	SW7471	

Project ID: 25-17 38TH AVE.
Client ID: SB4 8-10 FT

Phoenix I.D.: BD95571

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Total Metals Digest	Completed			06/21/13	Z/AG	SW846 - 3050	
Field Extraction	Completed			06/20/13		SW5035	
Polychlorinated Biphenyls							
PCB-1016	ND	68	ug/Kg	06/24/13	AW	SW 8082	
PCB-1221	ND	68	ug/Kg	06/24/13	AW	SW 8082	
PCB-1232	ND	68	ug/Kg	06/24/13	AW	SW 8082	
PCB-1242	ND	68	ug/Kg	06/24/13	AW	SW 8082	
PCB-1248	ND	68	ug/Kg	06/24/13	AW	SW 8082	
PCB-1254	ND	68	ug/Kg	06/24/13	AW	SW 8082	
PCB-1260	ND	68	ug/Kg	06/24/13	AW	SW 8082	
PCB-1262	ND	68	ug/Kg	06/24/13	AW	SW 8082	
PCB-1268	ND	68	ug/Kg	06/24/13	AW	SW 8082	
QA/QC Surrogates							
% DCBP	73		%	06/24/13	AW	30 - 150 %	
% TCMX	69		%	06/24/13	AW	30 - 150 %	
Pesticides							
4,4' -DDD	ND	2.0	ug/Kg	06/24/13	MH	SW8081	
4,4' -DDE	ND	2.0	ug/Kg	06/24/13	MH	SW8081	
4,4' -DDT	ND	2.0	ug/Kg	06/24/13	MH	SW8081	
a-BHC	ND	3.2	ug/Kg	06/24/13	MH	SW8081	
Alachlor	ND	3.2	ug/Kg	06/24/13	MH	SW8081	1
Aldrin	ND	2.0	ug/Kg	06/24/13	MH	SW8081	
b-BHC	ND	3.2	ug/Kg	06/24/13	MH	SW8081	
Chlordane	ND	10	ug/Kg	06/24/13	MH	SW8081	
d-BHC	ND	3.2	ug/Kg	06/24/13	MH	SW8081	
Dieldrin	ND	1.0	ug/Kg	06/24/13	MH	SW8081	
Endosulfan I	ND	3.2	ug/Kg	06/24/13	MH	SW8081	
Endosulfan II	ND	6.5	ug/Kg	06/24/13	MH	SW8081	
Endosulfan sulfate	ND	6.5	ug/Kg	06/24/13	MH	SW8081	
Endrin	ND	6.5	ug/Kg	06/24/13	MH	SW8081	
Endrin aldehyde	ND	6.5	ug/Kg	06/24/13	MH	SW8081	
Endrin ketone	ND	6.5	ug/Kg	06/24/13	MH	SW8081	
g-BHC	ND	1.0	ug/Kg	06/24/13	MH	SW8081	
Heptachlor	ND	2.0	ug/Kg	06/24/13	MH	SW8081	
Heptachlor epoxide	ND	3.2	ug/Kg	06/24/13	MH	SW8081	
Methoxychlor	ND	32	ug/Kg	06/24/13	MH	SW8081	
Toxaphene	ND	32	ug/Kg	06/24/13	MH	SW8081	
QA/QC Surrogates							
% DCBP	105		%	06/24/13	MH	30 - 150 %	
% TCMX	75		%	06/24/13	MH	30 - 150 %	
Volatiles							
1,1,1,2-Tetrachloroethane	ND	4.4	ug/Kg	06/27/13	R/J	SW8260	
1,1,1-Trichloroethane	ND	4.4	ug/Kg	06/27/13	R/J	SW8260	
1,1,2,2-Tetrachloroethane	ND	2.7	ug/Kg	06/27/13	R/J	SW8260	
1,1,2-Trichloroethane	ND	4.4	ug/Kg	06/27/13	R/J	SW8260	
1,1-Dichloroethane	ND	4.4	ug/Kg	06/27/13	R/J	SW8260	
1,1-Dichloroethene	ND	4.4	ug/Kg	06/27/13	R/J	SW8260	

Project ID: 25-17 38TH AVE.
Client ID: SB4 8-10 FT

Phoenix I.D.: BD95571

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
1,1-Dichloropropene	ND	4.4	ug/Kg	06/27/13	R/J	SW8260	
1,2,3-Trichlorobenzene	ND	4.4	ug/Kg	06/27/13	R/J	SW8260	
1,2,3-Trichloropropane	ND	4.4	ug/Kg	06/27/13	R/J	SW8260	
1,2,4-Trichlorobenzene	ND	4.4	ug/Kg	06/27/13	R/J	SW8260	
1,2,4-Trimethylbenzene	ND	4.4	ug/Kg	06/27/13	R/J	SW8260	
1,2-Dibromo-3-chloropropane	ND	4.4	ug/Kg	06/27/13	R/J	SW8260	
1,2-Dibromoethane	ND	4.4	ug/Kg	06/27/13	R/J	SW8260	
1,2-Dichlorobenzene	ND	4.4	ug/Kg	06/27/13	R/J	SW8260	
1,2-Dichloroethane	ND	4.4	ug/Kg	06/27/13	R/J	SW8260	
1,2-Dichloropropane	ND	4.4	ug/Kg	06/27/13	R/J	SW8260	
1,3,5-Trimethylbenzene	ND	4.4	ug/Kg	06/27/13	R/J	SW8260	
1,3-Dichlorobenzene	ND	4.4	ug/Kg	06/27/13	R/J	SW8260	
1,3-Dichloropropane	ND	4.4	ug/Kg	06/27/13	R/J	SW8260	
1,4-Dichlorobenzene	ND	4.4	ug/Kg	06/27/13	R/J	SW8260	
2,2-Dichloropropane	ND	4.4	ug/Kg	06/27/13	R/J	SW8260	
2-Chlorotoluene	ND	4.4	ug/Kg	06/27/13	R/J	SW8260	
2-Hexanone	ND	22	ug/Kg	06/27/13	R/J	SW8260	
2-Isopropyltoluene	ND	4.4	ug/Kg	06/27/13	R/J	SW8260	1
4-Chlorotoluene	ND	4.4	ug/Kg	06/27/13	R/J	SW8260	
4-Methyl-2-pentanone	ND	22	ug/Kg	06/27/13	R/J	SW8260	
Acetone	ND	27	ug/Kg	06/27/13	R/J	SW8260	
Acrylonitrile	ND	4.4	ug/Kg	06/27/13	R/J	SW8260	
Benzene	ND	4.4	ug/Kg	06/27/13	R/J	SW8260	
Bromobenzene	ND	4.4	ug/Kg	06/27/13	R/J	SW8260	
Bromochloromethane	ND	4.4	ug/Kg	06/27/13	R/J	SW8260	
Bromodichloromethane	ND	4.4	ug/Kg	06/27/13	R/J	SW8260	
Bromoform	ND	4.4	ug/Kg	06/27/13	R/J	SW8260	
Bromomethane	ND	4.4	ug/Kg	06/27/13	R/J	SW8260	
Carbon Disulfide	ND	4.4	ug/Kg	06/27/13	R/J	SW8260	
Carbon tetrachloride	ND	4.4	ug/Kg	06/27/13	R/J	SW8260	
Chlorobenzene	ND	4.4	ug/Kg	06/27/13	R/J	SW8260	
Chloroethane	ND	4.4	ug/Kg	06/27/13	R/J	SW8260	
Chloroform	ND	4.4	ug/Kg	06/27/13	R/J	SW8260	
Chloromethane	ND	4.4	ug/Kg	06/27/13	R/J	SW8260	
cis-1,2-Dichloroethene	ND	4.4	ug/Kg	06/27/13	R/J	SW8260	
cis-1,3-Dichloropropene	ND	4.4	ug/Kg	06/27/13	R/J	SW8260	1
Dibromochloromethane	ND	2.7	ug/Kg	06/27/13	R/J	SW8260	
Dibromomethane	ND	4.4	ug/Kg	06/27/13	R/J	SW8260	
Dichlorodifluoromethane	ND	4.4	ug/Kg	06/27/13	R/J	SW8260	
Ethylbenzene	ND	4.4	ug/Kg	06/27/13	R/J	SW8260	
Hexachlorobutadiene	ND	4.4	ug/Kg	06/27/13	R/J	SW8260	
Isopropylbenzene	ND	4.4	ug/Kg	06/27/13	R/J	SW8260	
m&p-Xylene	ND	4.4	ug/Kg	06/27/13	R/J	SW8260	
Methyl Ethyl Ketone	ND	27	ug/Kg	06/27/13	R/J	SW8260	
Methyl t-butyl ether (MTBE)	ND	8.9	ug/Kg	06/27/13	R/J	SW8260	
Methylene chloride	ND	4.4	ug/Kg	06/27/13	R/J	SW8260	
Naphthalene	ND	4.4	ug/Kg	06/27/13	R/J	SW8260	
n-Butylbenzene	ND	4.4	ug/Kg	06/27/13	R/J	SW8260	
n-Propylbenzene	ND	4.4	ug/Kg	06/27/13	R/J	SW8260	
o-Xylene	ND	4.4	ug/Kg	06/27/13	R/J	SW8260	

Project ID: 25-17 38TH AVE.
Client ID: SB4 8-10 FT

Phoenix I.D.: BD95571

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
p-Isopropyltoluene	ND	4.4	ug/Kg	06/27/13	R/J	SW8260	
sec-Butylbenzene	ND	4.4	ug/Kg	06/27/13	R/J	SW8260	
Styrene	ND	4.4	ug/Kg	06/27/13	R/J	SW8260	
tert-Butylbenzene	ND	4.4	ug/Kg	06/27/13	R/J	SW8260	
Tetrachloroethene	ND	4.4	ug/Kg	06/27/13	R/J	SW8260	
Tetrahydrofuran (THF)	ND	8.9	ug/Kg	06/27/13	R/J	SW8260	1
Toluene	ND	4.4	ug/Kg	06/27/13	R/J	SW8260	
Total Xylenes	ND	4.4	ug/Kg	06/27/13	R/J	SW8260	
trans-1,2-Dichloroethene	ND	4.4	ug/Kg	06/27/13	R/J	SW8260	
trans-1,3-Dichloropropene	ND	4.4	ug/Kg	06/27/13	R/J	SW8260	
trans-1,4-dichloro-2-butene	ND	8.9	ug/Kg	06/27/13	R/J	SW8260	
Trichloroethene	ND	4.4	ug/Kg	06/27/13	R/J	SW8260	
Trichlorofluoromethane	ND	4.4	ug/Kg	06/27/13	R/J	SW8260	
Trichlorotrifluoroethane	ND	4.4	ug/Kg	06/27/13	R/J	SW8260	
Vinyl chloride	ND	4.4	ug/Kg	06/27/13	R/J	SW8260	
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	105		%	06/27/13	R/J	70 - 130 %	
% Bromofluorobenzene	96		%	06/27/13	R/J	70 - 130 %	
% Dibromofluoromethane	96		%	06/27/13	R/J	70 - 130 %	
% Toluene-d8	97		%	06/27/13	R/J	70 - 130 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	230	ug/Kg	06/21/13	DD	SW 8270
1,2,4-Trichlorobenzene	ND	230	ug/Kg	06/21/13	DD	SW 8270
1,2-Dichlorobenzene	ND	230	ug/Kg	06/21/13	DD	SW 8270
1,2-Diphenylhydrazine	ND	330	ug/Kg	06/21/13	DD	SW 8270
1,3-Dichlorobenzene	ND	230	ug/Kg	06/21/13	DD	SW 8270
1,4-Dichlorobenzene	ND	230	ug/Kg	06/21/13	DD	SW 8270
2,4,5-Trichlorophenol	ND	230	ug/Kg	06/21/13	DD	SW 8270
2,4,6-Trichlorophenol	ND	230	ug/Kg	06/21/13	DD	SW 8270
2,4-Dichlorophenol	ND	230	ug/Kg	06/21/13	DD	SW 8270
2,4-Dimethylphenol	ND	230	ug/Kg	06/21/13	DD	SW 8270
2,4-Dinitrophenol	ND	530	ug/Kg	06/21/13	DD	SW 8270
2,4-Dinitrotoluene	ND	230	ug/Kg	06/21/13	DD	SW 8270
2,6-Dinitrotoluene	ND	230	ug/Kg	06/21/13	DD	SW 8270
2-Chloronaphthalene	ND	230	ug/Kg	06/21/13	DD	SW 8270
2-Chlorophenol	ND	230	ug/Kg	06/21/13	DD	SW 8270
2-Methylnaphthalene	ND	230	ug/Kg	06/21/13	DD	SW 8270
2-Methylphenol (o-cresol)	ND	230	ug/Kg	06/21/13	DD	SW 8270
2-Nitroaniline	ND	530	ug/Kg	06/21/13	DD	SW 8270
2-Nitrophenol	ND	230	ug/Kg	06/21/13	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	330	ug/Kg	06/21/13	DD	SW 8270
3,3'-Dichlorobenzidine	ND	230	ug/Kg	06/21/13	DD	SW 8270
3-Nitroaniline	ND	530	ug/Kg	06/21/13	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	970	ug/Kg	06/21/13	DD	SW 8270
4-Bromophenyl phenyl ether	ND	330	ug/Kg	06/21/13	DD	SW 8270
4-Chloro-3-methylphenol	ND	230	ug/Kg	06/21/13	DD	SW 8270
4-Chloroaniline	ND	230	ug/Kg	06/21/13	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	230	ug/Kg	06/21/13	DD	SW 8270
4-Nitroaniline	ND	530	ug/Kg	06/21/13	DD	SW 8270

Project ID: 25-17 38TH AVE.
Client ID: SB4 8-10 FT

Phoenix I.D.: BD95571

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
4-Nitrophenol	ND	970	ug/Kg	06/21/13	DD	SW 8270	
Acenaphthene	ND	230	ug/Kg	06/21/13	DD	SW 8270	
Acenaphthylene	ND	230	ug/Kg	06/21/13	DD	SW 8270	
Acetophenone	ND	230	ug/Kg	06/21/13	DD	SW 8270	
Aniline	ND	970	ug/Kg	06/21/13	DD	SW 8270	
Anthracene	ND	230	ug/Kg	06/21/13	DD	SW 8270	
Benz(a)anthracene	ND	230	ug/Kg	06/21/13	DD	SW 8270	
Benzidine	ND	400	ug/Kg	06/21/13	DD	SW 8270	
Benzo(a)pyrene	ND	230	ug/Kg	06/21/13	DD	SW 8270	
Benzo(b)fluoranthene	ND	230	ug/Kg	06/21/13	DD	SW 8270	
Benzo(ghi)perylene	ND	230	ug/Kg	06/21/13	DD	SW 8270	
Benzo(k)fluoranthene	ND	230	ug/Kg	06/21/13	DD	SW 8270	
Benzoic acid	ND	970	ug/Kg	06/21/13	DD	SW 8270	LO
Benzyl butyl phthalate	ND	230	ug/Kg	06/21/13	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	230	ug/Kg	06/21/13	DD	SW 8270	
Bis(2-chloroethyl)ether	ND	330	ug/Kg	06/21/13	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	230	ug/Kg	06/21/13	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND	230	ug/Kg	06/21/13	DD	SW 8270	
Carbazole	ND	500	ug/Kg	06/21/13	DD	SW 8270	
Chrysene	ND	230	ug/Kg	06/21/13	DD	SW 8270	
Dibenz(a,h)anthracene	ND	230	ug/Kg	06/21/13	DD	SW 8270	
Dibenzofuran	ND	230	ug/Kg	06/21/13	DD	SW 8270	
Diethyl phthalate	ND	230	ug/Kg	06/21/13	DD	SW 8270	
Dimethylphthalate	ND	230	ug/Kg	06/21/13	DD	SW 8270	
Di-n-butylphthalate	ND	230	ug/Kg	06/21/13	DD	SW 8270	
Di-n-octylphthalate	ND	230	ug/Kg	06/21/13	DD	SW 8270	
Fluoranthene	ND	230	ug/Kg	06/21/13	DD	SW 8270	
Fluorene	ND	230	ug/Kg	06/21/13	DD	SW 8270	
Hexachlorobenzene	ND	230	ug/Kg	06/21/13	DD	SW 8270	
Hexachlorobutadiene	ND	230	ug/Kg	06/21/13	DD	SW 8270	
Hexachlorocyclopentadiene	ND	230	ug/Kg	06/21/13	DD	SW 8270	
Hexachloroethane	ND	230	ug/Kg	06/21/13	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND	230	ug/Kg	06/21/13	DD	SW 8270	
Isophorone	ND	230	ug/Kg	06/21/13	DD	SW 8270	
Naphthalene	ND	230	ug/Kg	06/21/13	DD	SW 8270	
Nitrobenzene	ND	230	ug/Kg	06/21/13	DD	SW 8270	
N-Nitrosodimethylamine	ND	330	ug/Kg	06/21/13	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	230	ug/Kg	06/21/13	DD	SW 8270	
N-Nitrosodiphenylamine	ND	330	ug/Kg	06/21/13	DD	SW 8270	
Pentachloronitrobenzene	ND	330	ug/Kg	06/21/13	DD	SW 8270	
Pentachlorophenol	ND	330	ug/Kg	06/21/13	DD	SW 8270	
Phenanthrene	ND	230	ug/Kg	06/21/13	DD	SW 8270	
Phenol	ND	230	ug/Kg	06/21/13	DD	SW 8270	
Pyrene	ND	230	ug/Kg	06/21/13	DD	SW 8270	
Pyridine	ND	330	ug/Kg	06/21/13	DD	SW 8270	
QA/QC Surrogates							
% 2,4,6-Tribromophenol	88		%	06/21/13	DD	30 - 130 %	
% 2-Fluorobiphenyl	79		%	06/21/13	DD	30 - 130 %	
% 2-Fluorophenol	75		%	06/21/13	DD	30 - 130 %	
% Nitrobenzene-d5	79		%	06/21/13	DD	30 - 130 %	

Project ID: 25-17 38TH AVE.
Client ID: SB4 8-10 FT

Phoenix I.D.: BD95571

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
% Phenol-d5	74		%	06/21/13	DD	30 - 130 %
% Terphenyl-d14	105		%	06/21/13	DD	30 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
1O = This parameter is not certified by NY NELAC for this matrix.
B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
July 05, 2013
Reviewed and Released by: Phyllis Shiller, Laboratory Director

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

July 05, 2013

FOR: Attn: Mr. Frank Gehrling
Galli Engineering, P.C.
734 Walt Whitman Rd
Suite 402A
Melville, NY 11747

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:	FG	06/20/13	0:00
Location Code:	GALLI-ENG	Received by:	LB	06/21/13	15:06
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBD95567
Phoenix ID: BD95572

Project ID: 25-17 38TH AVE.
Client ID: SB2 GW

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Silver	< 0.001	0.001	mg/L	06/24/13	EK	SW6010
Aluminum	26.1	0.010	mg/L	06/24/13	EK	SW6010
Arsenic	0.011	0.004	mg/L	06/24/13	EK	SW6010
Barium	0.637	0.002	mg/L	06/24/13	EK	SW6010
Beryllium	0.002	0.001	mg/L	06/24/13	EK	SW6010
Calcium	87.8	0.010	mg/L	06/24/13	EK	SW6010
Cadmium	0.002	0.001	mg/L	06/24/13	EK	SW6010
Cobalt	0.063	0.002	mg/L	06/24/13	EK	SW6010
Chromium	0.191	0.001	mg/L	06/24/13	EK	SW6010
Copper	0.222	0.005	mg/L	06/24/13	EK	SW6010
Silver (Dissolved)	< 0.001	0.001	mg/L	06/24/13	EK	SW6010
Aluminum (Dissolved)	0.17	0.01	mg/L	06/24/13	EK	SW6010
Arsenic (Dissolved)	< 0.004	0.004	mg/L	06/24/13	EK	SW6010
Barium (Dissolved)	0.057	0.002	mg/L	06/24/13	EK	SW6010
Beryllium (Dissolved)	< 0.001	0.001	mg/L	06/24/13	EK	SW6010
Calcium (Dissolved)	76.2	0.01	mg/L	06/24/13	EK	SW6010
Cadmium (Dissolved)	< 0.001	0.001	mg/L	06/24/13	EK	SW6010
Cobalt (Dissolved)	0.001	0.001	mg/L	06/24/13	EK	SW6010
Chromium (Dissolved)	0.002	0.001	mg/L	06/24/13	EK	SW6010
Copper (Dissolved)	< 0.005	0.005	mg/L	06/24/13	EK	SW6010
Iron (Dissolved)	0.551	0.011	mg/L	06/24/13	EK	SW6010
Mercury (Dissolved)	< 0.0002	0.0002	mg/L	06/24/13	RS	SW7470
Potassium (Dissolved)	4.9	0.1	mg/L	06/25/13	LK	SW6010
Magnesium (Dissolved)	25.5	0.01	mg/L	06/24/13	EK	SW6010
Manganese (Dissolved)	1.14	0.001	mg/L	06/24/13	EK	SW6010
Sodium (Dissolved)	113	1.1	mg/L	06/25/13	LK	SW6010
Nickel (Dissolved)	0.012	0.001	mg/L	06/24/13	EK	SW6010
Lead (Dissolved)	< 0.002	0.002	mg/L	06/24/13	EK	SW6010

Project ID: 25-17 38TH AVE.
Client ID: SB2 GW

Phoenix I.D.: BD95572

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Antimony (Dissolved)	< 0.005	0.005	mg/L	06/24/13	EK	SW6010
Selenium (Dissolved)	< 0.011	0.011	mg/L	06/24/13	EK	SW6010
Thallium (Dissolved)	< 0.002	0.002	mg/L	06/24/13	RS	SW7010
Vanadium (Dissolved)	< 0.002	0.002	mg/L	06/24/13	EK	SW6010
Zinc (Dissolved)	0.004	0.002	mg/L	06/24/13	EK	SW6010
Iron	70.7	0.010	mg/L	06/24/13	EK	SW6010
Mercury	< 0.0002	0.0002	mg/L	06/24/13	RS	SW7470
Potassium	10.8	0.1	mg/L	06/25/13	EK	SW6010
Magnesium	38.5	0.01	mg/L	06/24/13	EK	SW6010
Manganese	8.59	0.010	mg/L	06/25/13	EK	SW6010
Sodium	118	1.0	mg/L	06/25/13	EK	SW6010
Nickel	0.163	0.001	mg/L	06/24/13	EK	SW6010
Lead	0.083	0.002	mg/L	06/24/13	EK	SW6010
Antimony	< 0.005	0.005	mg/L	06/24/13	EK	SW6010
Selenium	< 0.010	0.010	mg/L	06/24/13	EK	SW6010
Thallium	< 0.002	0.002	mg/L	06/24/13	RS	SM3113B/SW70
Vanadium	0.069	0.002	mg/L	06/24/13	EK	SW6010
Zinc	0.282	0.002	mg/L	06/24/13	EK	SW6010
Filtration	Completed			06/21/13	AG	0.45um Filter
Dissolved Mercury Digestion	Completed			06/24/13	H/H	SW7470
Mercury Digestion	Completed			06/24/13	H/H	SW7470
PCB Extraction	Completed			06/21/13	L	SW3510C
Extraction for Pest (2 Liter)	Completed			06/21/13	L	SW3510
Semi-Volatile Extraction	Completed			06/24/13	I/X	SW3520
Dissolved Metals Preparation	Completed			06/21/13	AG	SW846-3005
Total Metals Digestion	Completed			06/21/13	AG	SW846 - 3050

Polychlorinated Biphenyls

PCB-1016	ND	0.050	ug/L	06/24/13	AW	8082
PCB-1221	ND	0.050	ug/L	06/24/13	AW	8082
PCB-1232	ND	0.050	ug/L	06/24/13	AW	8082
PCB-1242	ND	0.050	ug/L	06/24/13	AW	8082
PCB-1248	ND	0.050	ug/L	06/24/13	AW	8082
PCB-1254	ND	0.050	ug/L	06/24/13	AW	8082
PCB-1260	ND	0.050	ug/L	06/24/13	AW	8082
PCB-1262	ND	0.050	ug/L	06/24/13	AW	8082
PCB-1268	ND	0.050	ug/L	06/24/13	AW	8082
QA/QC Surrogates						
% DCBP	54		%	06/24/13	AW	30 - 150 %
% TCMX	61		%	06/24/13	AW	30 - 150 %

Pesticides

4,4' -DDD	ND	0.010	ug/L	06/24/13	MH	SW8081	
4,4' -DDE	ND	0.010	ug/L	06/24/13	MH	SW8081	
4,4' -DDT	ND	0.010	ug/L	06/24/13	MH	SW8081	
a-BHC	ND	0.010	ug/L	06/24/13	MH	SW8081	
Alachlor	ND	0.075	ug/L	06/24/13	MH	SW8081	1
Aldrin	ND	0.002	ug/L	06/24/13	MH	SW8081	
b-BHC	ND	0.005	ug/L	06/24/13	MH	SW8081	
Chlordane	ND	0.050	ug/L	06/24/13	MH	SW8081	

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
d-BHC	ND	0.025	ug/L	06/24/13	MH	SW8081
Dieldrin	0.22	0.008	ug/L	06/24/13	MH	SW8081
Endosulfan I	ND	0.050	ug/L	06/24/13	MH	SW8081
Endosulfan II	ND	0.050	ug/L	06/24/13	MH	SW8081
Endosulfan Sulfate	ND	0.050	ug/L	06/24/13	MH	SW8081
Endrin	ND	0.010	ug/L	06/24/13	MH	SW8081
Endrin Aldehyde	ND	0.050	ug/L	06/24/13	MH	SW8081
Endrin ketone	ND	0.050	ug/L	06/24/13	MH	SW8081
g-BHC (Lindane)	ND	0.025	ug/L	06/24/13	MH	SW8081
Heptachlor	ND	0.010	ug/L	06/24/13	MH	SW8081
Heptachlor epoxide	ND	0.010	ug/L	06/24/13	MH	SW8081
Methoxychlor	ND	0.10	ug/L	06/24/13	MH	SW8081
Toxaphene	ND	0.25	ug/L	06/24/13	MH	SW8081
QA/QC Surrogates						
%DCBP (Surrogate Rec)	62		%	06/24/13	MH	30 - 150 %
%TCMX (Surrogate Rec)	95		%	06/24/13	MH	30 - 150 %

Volatiles

1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	06/27/13	R/T	SW8260	
1,1,1-Trichloroethane	ND	1.0	ug/L	06/27/13	R/T	SW8260	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	06/27/13	R/T	SW8260	
1,1,2-Trichloroethane	ND	1.0	ug/L	06/27/13	R/T	SW8260	
1,1-Dichloroethane	ND	1.0	ug/L	06/27/13	R/T	SW8260	
1,1-Dichloroethene	ND	1.0	ug/L	06/27/13	R/T	SW8260	
1,1-Dichloropropene	ND	1.0	ug/L	06/27/13	R/T	SW8260	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	06/27/13	R/T	SW8260	
1,2,3-Trichloropropane	ND	1.0	ug/L	06/27/13	R/T	SW8260	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	06/27/13	R/T	SW8260	
1,2,4-Trimethylbenzene	ND	1.0	ug/L	06/27/13	R/T	SW8260	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	06/27/13	R/T	SW8260	
1,2-Dibromoethane	ND	1.0	ug/L	06/27/13	R/T	SW8260	
1,2-Dichlorobenzene	ND	1.0	ug/L	06/27/13	R/T	SW8260	
1,2-Dichloroethane	ND	0.60	ug/L	06/27/13	R/T	SW8260	
1,2-Dichloropropane	ND	1.0	ug/L	06/27/13	R/T	SW8260	
1,3,5-Trimethylbenzene	ND	1.0	ug/L	06/27/13	R/T	SW8260	
1,3-Dichlorobenzene	ND	1.0	ug/L	06/27/13	R/T	SW8260	
1,3-Dichloropropane	ND	1.0	ug/L	06/27/13	R/T	SW8260	
1,4-Dichlorobenzene	ND	1.0	ug/L	06/27/13	R/T	SW8260	
2,2-Dichloropropane	ND	1.0	ug/L	06/27/13	R/T	SW8260	
2-Chlorotoluene	ND	1.0	ug/L	06/27/13	R/T	SW8260	
2-Hexanone	ND	5.0	ug/L	06/27/13	R/T	SW8260	
2-Isopropyltoluene	ND	1.0	ug/L	06/27/13	R/T	SW8260	1
4-Chlorotoluene	ND	1.0	ug/L	06/27/13	R/T	SW8260	
4-Methyl-2-pentanone	ND	5.0	ug/L	06/27/13	R/T	SW8260	
Acetone	ND	25	ug/L	06/27/13	R/T	SW8260	
Acrylonitrile	ND	5.0	ug/L	06/27/13	R/T	SW8260	
Benzene	ND	0.70	ug/L	06/27/13	R/T	SW8260	
Bromobenzene	ND	1.0	ug/L	06/27/13	R/T	SW8260	
Bromochloromethane	ND	1.0	ug/L	06/27/13	R/T	SW8260	
Bromodichloromethane	ND	0.50	ug/L	06/27/13	R/T	SW8260	

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Bromoform	ND	1.0	ug/L	06/27/13	R/T	SW8260	
Bromomethane	ND	1.0	ug/L	06/27/13	R/T	SW8260	
Carbon Disulfide	ND	5.0	ug/L	06/27/13	R/T	SW8260	
Carbon tetrachloride	ND	1.0	ug/L	06/27/13	R/T	SW8260	
Chlorobenzene	ND	1.0	ug/L	06/27/13	R/T	SW8260	
Chloroethane	ND	1.0	ug/L	06/27/13	R/T	SW8260	
Chloroform	3.3	1.0	ug/L	06/27/13	R/T	SW8260	
Chloromethane	8.3	1.0	ug/L	06/27/13	R/T	SW8260	
cis-1,2-Dichloroethene	ND	1.0	ug/L	06/27/13	R/T	SW8260	
cis-1,3-Dichloropropene	ND	0.4	ug/L	06/27/13	R/T	SW8260	1
Dibromochloromethane	ND	0.50	ug/L	06/27/13	R/T	SW8260	
Dibromomethane	ND	1.0	ug/L	06/27/13	R/T	SW8260	
Dichlorodifluoromethane	ND	1.0	ug/L	06/27/13	R/T	SW8260	
Ethylbenzene	ND	1.0	ug/L	06/27/13	R/T	SW8260	
Hexachlorobutadiene	ND	0.40	ug/L	06/27/13	R/T	SW8260	
Isopropylbenzene	ND	1.0	ug/L	06/27/13	R/T	SW8260	
m&p-Xylene	ND	1.0	ug/L	06/27/13	R/T	SW8260	
Methyl ethyl ketone	ND	5.0	ug/L	06/27/13	R/T	SW8260	
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	06/27/13	R/T	SW8260	
Methylene chloride	ND	1.0	ug/L	06/27/13	R/T	SW8260	
Naphthalene	ND	1.0	ug/L	06/27/13	R/T	SW8260	
n-Butylbenzene	ND	1.0	ug/L	06/27/13	R/T	SW8260	
n-Propylbenzene	ND	1.0	ug/L	06/27/13	R/T	SW8260	
o-Xylene	ND	1.0	ug/L	06/27/13	R/T	SW8260	
p-Isopropyltoluene	ND	1.0	ug/L	06/27/13	R/T	SW8260	
sec-Butylbenzene	ND	1.0	ug/L	06/27/13	R/T	SW8260	
Styrene	ND	1.0	ug/L	06/27/13	R/T	SW8260	
tert-Butylbenzene	ND	1.0	ug/L	06/27/13	R/T	SW8260	
Tetrachloroethene	1.2	1.0	ug/L	06/27/13	R/T	SW8260	
Tetrahydrofuran (THF)	ND	2.5	ug/L	06/27/13	R/T	SW8260	1
Toluene	ND	1.0	ug/L	06/27/13	R/T	SW8260	
Total Xylenes	ND	1.0	ug/L	06/27/13	R/T	SW8260	
trans-1,2-Dichloroethene	ND	1.0	ug/L	06/27/13	R/T	SW8260	
trans-1,3-Dichloropropene	ND	0.4	ug/L	06/27/13	R/T	SW8260	
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	06/27/13	R/T	SW8260	
Trichloroethene	3.8	1.0	ug/L	06/27/13	R/T	SW8260	
Trichlorofluoromethane	ND	1.0	ug/L	06/27/13	R/T	SW8260	
Trichlorotrifluoroethane	ND	1.0	ug/L	06/27/13	R/T	SW8260	
Vinyl chloride	ND	1.0	ug/L	06/27/13	R/T	SW8260	
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	98		%	06/27/13	R/T	70 - 130 %	
% Bromofluorobenzene	95		%	06/27/13	R/T	70 - 130 %	
% Dibromofluoromethane	103		%	06/27/13	R/T	70 - 130 %	
% Toluene-d8	99		%	06/27/13	R/T	70 - 130 %	

Semivolatiles

1,2,4-Trichlorobenzene	ND	5.0	ug/L	06/27/13	D/P	SW8270
1,2-Dichlorobenzene	ND	2	ug/L	06/27/13	D/P	SW8270
1,2-Diphenylhydrazine	ND	5.0	ug/L	06/27/13	D/P	SW8270
1,3-Dichlorobenzene	ND	2	ug/L	06/27/13	D/P	SW8270

Project ID: 25-17 38TH AVE.
Client ID: SB2 GW

Phoenix I.D.: BD95572

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
1,4-Dichlorobenzene	ND	5.0	ug/L	06/27/13	D/P	SW8270	
2,4,5-Trichlorophenol	ND	1	ug/L	06/27/13	D/P	SW8270	
2,4,6-Trichlorophenol	ND	1	ug/L	06/27/13	D/P	SW8270	
2,4-Dichlorophenol	ND	1	ug/L	06/27/13	D/P	SW8270	
2,4-Dimethylphenol	ND	1	ug/L	06/27/13	D/P	SW8270	
2,4-Dinitrophenol	ND	1	ug/L	06/27/13	D/P	SW8270	
2,4-Dinitrotoluene	ND	5.0	ug/L	06/27/13	D/P	SW8270	
2,6-Dinitrotoluene	ND	5.0	ug/L	06/27/13	D/P	SW8270	
2-Chloronaphthalene	ND	5.0	ug/L	06/27/13	D/P	SW8270	
2-Chlorophenol	ND	1	ug/L	06/27/13	D/P	SW8270	
2-Methylnaphthalene	ND	5.0	ug/L	06/27/13	D/P	SW8270	
2-Methylphenol (o-cresol)	ND	1	ug/L	06/27/13	D/P	SW8270	
2-Nitroaniline	ND	5	ug/L	06/27/13	D/P	SW8270	
2-Nitrophenol	ND	1	ug/L	06/27/13	D/P	SW8270	
3&4-Methylphenol (m&p-cresol)	ND	10	ug/L	06/27/13	D/P	SW8270	
3,3'-Dichlorobenzidine	ND	5	ug/L	06/27/13	D/P	SW8270	
3-Nitroaniline	ND	5	ug/L	06/27/13	D/P	SW8270	
4,6-Dinitro-2-methylphenol	ND	1	ug/L	06/27/13	D/P	SW8270	
4-Bromophenyl phenyl ether	ND	5.0	ug/L	06/27/13	D/P	SW8270	
4-Chloro-3-methylphenol	ND	1	ug/L	06/27/13	D/P	SW8270	
4-Chloroaniline	ND	5	ug/L	06/27/13	D/P	SW8270	
4-Chlorophenyl phenyl ether	ND	5.0	ug/L	06/27/13	D/P	SW8270	
4-Nitroaniline	ND	5	ug/L	06/27/13	D/P	SW8270	
4-Nitrophenol	ND	1	ug/L	06/27/13	D/P	SW8270	
Acetophenone	ND	5.0	ug/L	06/27/13	D/P	SW8270	
Aniline	ND	5	ug/L	06/27/13	D/P	SW8270	
Anthracene	ND	5.0	ug/L	06/27/13	D/P	SW8270	
Benzidine	ND	5	ug/L	06/27/13	D/P	SW8270	
Benzoic acid	ND	50	ug/L	06/27/13	D/P	SW8270	
Benzyl butyl phthalate	ND	5.0	ug/L	06/27/13	D/P	SW8270	
Bis(2-chloroethoxy)methane	ND	5.0	ug/L	06/27/13	D/P	SW8270	
Bis(2-chloroethyl)ether	ND	1	ug/L	06/27/13	D/P	SW8270	
Bis(2-chloroisopropyl)ether	ND	5.0	ug/L	06/27/13	D/P	SW8270	1
Carbazole	ND	5.0	ug/L	06/27/13	D/P	SW8270	
Dibenzofuran	ND	5.0	ug/L	06/27/13	D/P	SW8270	
Diethyl phthalate	ND	5.0	ug/L	06/27/13	D/P	SW8270	
Dimethylphthalate	ND	5.0	ug/L	06/27/13	D/P	SW8270	
Di-n-butylphthalate	ND	5.0	ug/L	06/27/13	D/P	SW8270	
Di-n-octylphthalate	ND	5.0	ug/L	06/27/13	D/P	SW8270	
Fluoranthene	ND	5.0	ug/L	06/27/13	D/P	SW8270	
Fluorene	ND	5.0	ug/L	06/27/13	D/P	SW8270	
Hexachlorobutadiene	ND	0.5	ug/L	06/27/13	D/P	SW8270	
Hexachlorocyclopentadiene	ND	5.0	ug/L	06/27/13	D/P	SW8270	
Isophorone	ND	5.0	ug/L	06/27/13	D/P	SW8270	
Naphthalene	ND	5.0	ug/L	06/27/13	D/P	SW8270	
Nitrobenzene	ND	0.4	ug/L	06/27/13	D/P	SW8270	
N-Nitrosodimethylamine	ND	5.0	ug/L	06/27/13	D/P	SW8270	
N-Nitrosodi-n-propylamine	ND	5.0	ug/L	06/27/13	D/P	SW8270	
N-Nitrosodiphenylamine	ND	5.0	ug/L	06/27/13	D/P	SW8270	
Phenol	ND	1	ug/L	06/27/13	D/P	SW8270	

Project ID: 25-17 38TH AVE.
Client ID: SB2 GW

Phoenix I.D.: BD95572

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Pyrene	ND	5.0	ug/L	06/27/13	D/P	SW8270	
QA/QC Surrogates							
% 2,4,6-Tribromophenol	91		%	06/27/13	D/P	15 - 130 %	
% 2-Fluorobiphenyl	90		%	06/27/13	D/P	30 - 130 %	
% 2-Fluorophenol	51		%	06/27/13	D/P	15 - 130 %	
% Nitrobenzene-d5	98		%	06/27/13	D/P	30 - 130 %	
% Phenol-d5	54		%	06/27/13	D/P	15 - 130 %	
% Terphenyl-d14	83		%	06/27/13	D/P	30 - 130 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	1.6	ug/L	06/26/13	DD	SW8270 (SIM)	
Acenaphthene	ND	0.050	ug/L	06/26/13	DD	SW8270 (SIM)	
Acenaphthylene	ND	0.050	ug/L	06/26/13	DD	SW8270 (SIM)	
Benz(a)anthracene	0.1	0.040	ug/L	06/26/13	DD	SW8270 (SIM)	B*
Benzo(a)pyrene	0.05	0.050	ug/L	06/26/13	DD	SW8270 (SIM)	
Benzo(b)fluoranthene	0.09	0.050	ug/L	06/26/13	DD	SW8270 (SIM)	B*
Benzo(ghi)perylene	ND	3.0	ug/L	06/26/13	DD	SW8270 (SIM)	
Benzo(k)fluoranthene	ND	0.02	ug/L	06/26/13	DD	SW8270 (SIM)	B
Bis(2-ethylhexyl)phthalate	ND	1.6	ug/L	06/26/13	DD	SW8270 (SIM)	
Chrysene	0.11	0.050	ug/L	06/26/13	DD	SW8270 (SIM)	B*
Dibenz(a,h)anthracene	ND	0.010	ug/L	06/26/13	DD	SW8270 (SIM)	
Hexachlorobenzene	ND	0.04	ug/L	06/26/13	DD	SW8270 (SIM)	
Hexachloroethane	ND	2.4	ug/L	06/26/13	DD	SW8270 (SIM)	
Indeno(1,2,3-cd)pyrene	ND	0.02	ug/L	06/26/13	DD	SW8270 (SIM)	
Pentachloronitrobenzene	ND	0.10	ug/L	06/26/13	DD	SW8270 (SIM)	
Pentachlorophenol	ND	0.80	ug/L	06/26/13	DD	SW8270 (SIM)	
Phenanthrene	0.11	0.050	ug/L	06/26/13	DD	SW8270 (SIM)	
Pyridine	ND	1.0	ug/L	06/26/13	DD	SW8270 (SIM)	
QA/QC Surrogates							
% 2,4,6-Tribromophenol	91		%	06/26/13	DD	15 - 130 %	
% 2-Fluorobiphenyl	90		%	06/26/13	DD	30 - 130 %	
% 2-Fluorophenol	51		%	06/26/13	DD	15 - 130 %	
% Nitrobenzene-d5	98		%	06/26/13	DD	30 - 130 %	
% Phenol-d5	54		%	06/26/13	DD	15 - 130 %	
% Terphenyl-d14	83		%	06/26/13	DD	30 - 130 %	

Project ID: 25-17 38TH AVE.
Client ID: SB2 GW

Phoenix I.D.: BD95572

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B* = Present in blank, a bias is possible.
B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
July 05, 2013
Reviewed and Released by: Phyllis Shiller, Laboratory Director

PHOENIX

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

QA/QC Report

July 05, 2013

QA/QC Data

SDG I.D.: GBD95567

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 236862, QC Sample No: BD94973 (BD95567, BD95568)													
Mercury - Soil	BRL	1.07	0.59	57.8	109	105	3.7	NC	NC	NC	70 - 130	30	r
Comment:													
Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%.													
QA/QC Batch 236636, QC Sample No: BD94981 (BD95572)													
Thallium - Water	BRL	<0.002	<0.002	NC	103	104	1.0	87.2	89.2	2.3			
QA/QC Batch 236637, QC Sample No: BD95002 (BD95572)													
Thallium (Dissolved)		<0.001	<0.005	NC	102	107	4.8	98.8	103	4.2	75 - 125	20	
QA/QC Batch 236777, QC Sample No: BD95258 (BD95567, BD95568, BD95569, BD95570, BD95571)													
ICP Metals - Soil													
Aluminum	BRL	5940	5740	3.40	85.2	82.3	3.5	NC	NC	NC	75 - 125	30	
Antimony	BRL	<3.6	<3.7	NC	114	103	10.1	84.5	85.6	1.3	75 - 125	30	
Arsenic	BRL	<0.7	<0.73	NC	92.4	88.3	4.5	86.3	85.6	0.8	75 - 125	30	
Barium	BRL	26.5	27.3	3.00	98.9	94.2	4.9	99.2	97.6	1.6	75 - 125	30	
Beryllium	BRL	0.32	0.32	NC	100	95.6	4.5	92.9	92.0	1.0	75 - 125	30	
Cadmium	BRL	0.44	0.47	NC	94.5	90.4	4.4	89.3	88.6	0.8	75 - 125	30	
Calcium	BRL	1730	2100	19.3	96.9	93.0	4.1	NC	NC	NC	75 - 125	30	
Chromium	BRL	10.1	10.3	2.00	101	95.8	5.3	94.4	93.2	1.3	75 - 125	30	
Cobalt	BRL	4.08	4.11	0.70	98.3	93.5	5.0	91.3	90.1	1.3	75 - 125	30	
Copper	0.41	11.2	10.8	3.60	104	98.1	5.8	98.0	95.8	2.3	75 - 125	30	
Iron	5.2	21900	25300	14.4	102	98.4	3.6	NC	NC	NC	75 - 125	30	
Lead	BRL	5.86	5.09	14.1	98.7	92.9	6.1	91.8	89.5	2.5	75 - 125	30	
Magnesium	BRL	1910	1900	0.50	93.1	88.8	4.7	NC	NC	NC	75 - 125	30	
Manganese	BRL	632	925	37.6	98.2	96.1	2.2	NC	NC	NC	75 - 125	30	r
Nickel	BRL	8.70	8.92	2.50	99.5	94.5	5.2	92.1	91.1	1.1	75 - 125	30	
Potassium	BRL	630	633	0.50	98.0	93.4	4.8	125	127	1.6	75 - 125	30	m
Selenium	BRL	<1.5	<1.5	NC	75.3	72.7	3.5	71.3	71.2	0.1	75 - 125	30	l,m
Silver	BRL	<0.36	<0.37	NC	98.9	92.1	7.1	90.7	89.8	1.0	75 - 125	30	
Sodium	BRL	82.8	83.7	1.10	105	102	2.9	>130	>130	NC	75 - 125	30	m
Thallium	BRL	<3.3	<3.3	NC	98.6	94.7	4.0	91.3	89.9	1.5	75 - 125	30	
Vanadium	BRL	20.1	21.0	4.40	103	97.3	5.7	93.9	92.8	1.2	75 - 125	30	
Zinc	BRL	17.9	17.4	2.80	91.0	87.4	4.0	88.8	87.4	1.6	75 - 125	30	
QA/QC Batch 236623, QC Sample No: BD95292 (BD95572)													
ICP Metals - Dissolved													
Aluminum	BRL	1.84	1.87	1.60	92.0	91.1	1.0	88.3	89.7	1.6	75 - 125	20	
Antimony	BRL	<0.005	<0.005	NC	99.2	98.0	1.2	99.3	98.9	0.4	75 - 125	20	
Arsenic	BRL	<0.004	<0.004	NC	92.5	90.6	2.1	93.5	92.5	1.1	75 - 125	20	
Barium	BRL	0.068	0.069	1.50	94.2	93.6	0.6	92.5	93.7	1.3	75 - 125	20	
Beryllium	BRL	0.001	<0.001	NC	93.3	91.6	1.8	94.1	93.1	1.1	75 - 125	20	
Cadmium	BRL	<0.001	<0.001	NC	98.2	95.3	3.0	96.7	94.8	2.0	75 - 125	20	
Calcium	BRL	23.4	23.8	1.70	95.5	93.3	2.3	NC	NC	NC	75 - 125	20	
Chromium	BRL	<0.001	<0.001	NC	95.2	92.9	2.4	93.5	92.6	1.0	75 - 125	20	

QA/QC Data

SDG I.D.: GBD95567

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Cobalt	BRL	0.006	0.005	18.2	96.9	97.1	0.2	95.8	97.5	1.8	75 - 125	20	
Copper	BRL	<0.005	<0.005	NC	94.9	94.8	0.1	95.6	95.9	0.3	75 - 125	20	
Iron	BRL	0.020	0.016	NC	97.3	96.3	1.0	>130	96.2	NC	75 - 125	20	m
Lead	BRL	<0.002	<0.002	NC	95.6	92.8	3.0	93.7	92.7	1.1	75 - 125	20	
Magnesium	BRL	6.16	6.34	2.90	97.6	95.0	2.7	NC	NC	NC	75 - 125	20	
Manganese	BRL	0.759	0.779	2.60	97.2	95.7	1.6	95.7	93.7	2.1	75 - 125	20	
Nickel	BRL	0.004	0.005	NC	98.6	95.7	3.0	96.8	96.0	0.8	75 - 125	20	
Potassium	BRL	2.5	2.6	3.90	94.9	96.0	1.2	96.8	99.7	3.0	75 - 125	20	
Selenium	BRL	<0.011	<0.011	NC	89.8	86.5	3.7	90.0	89.0	1.1	75 - 125	20	
Silver	BRL	<0.001	<0.001	NC	93.3	91.9	1.5	85.4	86.2	0.9	75 - 125	20	
Sodium	BRL	47.0	47.5	1.10	89.2	89.0	0.2	NC	NC	NC	75 - 125	20	
Vanadium	BRL	<0.002	<0.002	NC	93.7	92.4	1.4	94.1	93.9	0.2	75 - 125	20	
Zinc	BRL	0.515	0.529	2.70	94.1	92.3	1.9	94.5	92.7	1.9	75 - 125	20	
QA/QC Batch 237135, QC Sample No: BD95571 (BD95569, BD95570, BD95571)													
Mercury - Soil	BRL	<0.08	<0.07	NC	106	104	1.9	94.2	98.2	4.2	70 - 130	30	
Comment:													
Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%.													
QA/QC Batch 236819, QC Sample No: BD95615 (BD95572)													
ICP Metals - Aqueous													
Aluminum	BRL	14.9	15.4	3.30	92.1	89.4	3.0	NC	NC	NC	75 - 125	20	
Antimony	BRL	<0.005	<0.005	NC	98.5	99.8	1.3	98.6	96.3	2.4	75 - 125	20	
Arsenic	BRL	0.012	0.011	NC	94.9	93.6	1.4	95.2	93.0	2.3	75 - 125	20	
Barium	BRL	0.020	0.020	0	96.6	94.7	2.0	94.9	94.2	0.7	75 - 125	20	
Beryllium	BRL	0.003	0.003	NC	97.2	95.4	1.9	97.0	95.8	1.2	75 - 125	20	
Cadmium	BRL	0.001	0.001	NC	99.7	97.9	1.8	99.3	97.7	1.6	75 - 125	20	
Calcium	BRL	36.2	37.4	3.30	101	96.4	4.7	NC	NC	NC	75 - 125	20	
Chromium	BRL	0.002	0.001	NC	94.8	93.2	1.7	94.1	92.3	1.9	75 - 125	20	
Cobalt	BRL	0.018	0.018	0	96.9	95.0	2.0	96.6	94.7	2.0	75 - 125	20	
Copper	BRL	<0.005	<0.005	NC	95.5	92.9	2.8	94.8	92.9	2.0	75 - 125	20	
Iron	BRL	0.210	0.217	3.30	95.7	93.8	2.0	95.1	93.2	2.0	75 - 125	20	
Lead	BRL	<0.002	<0.002	NC	96.8	95.6	1.2	96.6	94.4	2.3	75 - 125	20	
Magnesium	BRL	12.6	13.1	3.90	99.1	96.8	2.3	NC	NC	NC	75 - 125	20	
Manganese	BRL	1.69	1.74	2.90	96.8	95.0	1.9	97.3	94.8	2.6	75 - 125	20	
Nickel	BRL	0.056	0.057	1.80	99.6	97.8	1.8	98.8	96.8	2.0	75 - 125	20	
Potassium	BRL	3.1	3.2	3.20	80.6	81.0	0.5	82.6	80.9	2.1	75 - 125	20	
Selenium	BRL	<0.010	<0.010	NC	95.4	93.4	2.1	94.7	93.1	1.7	75 - 125	20	
Silver	BRL	<0.001	<0.001	NC	93.6	91.5	2.3	93.4	91.8	1.7	75 - 125	20	
Sodium	BRL	106	105	0.90	103	109	5.7	NC	NC	NC	75 - 125	20	
Vanadium	BRL	<0.002	<0.002	NC	95.5	92.5	3.2	94.0	92.8	1.3	75 - 125	20	
Zinc	BRL	0.244	0.253	3.60	97.1	95.4	1.8	97.7	95.9	1.9	75 - 125	20	
QA/QC Batch 236864, QC Sample No: BD95615 (BD95572)													
Mercury - Water	BRL	<0.0002	<0.0002	NC	97.6	97.0	0.6	93.5	95.5	2.1	70 - 130	20	
Comment:													
Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%.													

l = This parameter is outside laboratory lcs/lcsd specified recovery limits.
m = This parameter is outside laboratory ms/msd specified recovery limits.
r = This parameter is outside laboratory rpd specified recovery limits.

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

QA/QC Report

July 05, 2013

QA/QC Data

SDG I.D.: GBD95567

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 236585, QC Sample No: BD91445 (BD95567, BD95568, BD95569, BD95570, BD95571)									
Pesticides - Soil									
4,4' -DDD	ND	79			110	99	10.5	40 - 140	30
4,4' -DDE	ND	81			93	85	9.0	40 - 140	30
4,4' -DDT	ND	79			103	94	9.1	40 - 140	30
a-BHC	ND	82			73	69	5.6	40 - 140	30
a-Chlordane	ND	77			83	78	6.2	40 - 140	30
Alachlor	ND	N/A			N/A	N/A	NC	40 - 140	30
Aldrin	ND	81			78	73	6.6	40 - 140	30
b-BHC	ND	79			78	72	8.0	40 - 140	30
Chlordane	ND	N/A			N/A	N/A	NC	40 - 140	30
d-BHC	ND	77			76	73	4.0	40 - 140	30
Dieldrin	ND	80			93	87	6.7	40 - 140	30
Endosulfan I	ND	77			87	83	4.7	40 - 140	30
Endosulfan II	ND	78			104	95	9.0	40 - 140	30
Endosulfan sulfate	ND	78			100	92	8.3	40 - 140	30
Endrin	ND	82			97	90	7.5	40 - 140	30
Endrin aldehyde	ND	88			116	106	9.0	40 - 140	30
Endrin ketone	ND	81			102	95	7.1	40 - 140	30
g-BHC	ND	81			75	70	6.9	40 - 140	30
g-Chlordane	ND	80			88	83	5.8	40 - 140	30
Heptachlor	ND	78			75	73	2.7	40 - 140	30
Heptachlor epoxide	ND	87			94	88	6.6	40 - 140	30
Methoxychlor	ND	75			99	94	5.2	40 - 140	30
Toxaphene	ND	N/A			N/A	N/A	NC	40 - 140	30
% DCBP	87	94			119	111	7.0	30 - 150	30
% TCMX	81	98			90	84	6.9	30 - 150	30
QA/QC Batch 236783, QC Sample No: BD94553 (BD95572)									
Semivolatiles - Ground Water									
1,2,4,5-Tetrachlorobenzene	ND	96	91	5.3				30 - 130	20
1,2,4-Trichlorobenzene	ND	85	79	7.3				30 - 130	20
1,2-Dichlorobenzene	ND	85	78	8.6				30 - 130	20
1,2-Diphenylhydrazine	ND	86	86	0.0				30 - 130	20
1,3-Dichlorobenzene	ND	84	77	8.7				30 - 130	20
1,4-Dichlorobenzene	ND	84	76	10.0				30 - 130	20
2,4,5-Trichlorophenol	ND	119	106	11.6				30 - 130	20
2,4,6-Trichlorophenol	ND	101	91	10.4				30 - 130	20
2,4-Dichlorophenol	ND	96	88	8.7				30 - 130	20
2,4-Dimethylphenol	ND	55	50	9.5				30 - 130	20
2,4-Dinitrophenol	ND	109	105	3.7				30 - 130	20
2,4-Dinitrotoluene	ND	101	96	5.1				30 - 130	20
2,6-Dinitrotoluene	ND	101	96	5.1				30 - 130	20
2-Chloronaphthalene	ND	97	88	9.7				30 - 130	20

QA/QC Data

SDG I.D.: GBD95567

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
2-Chlorophenol	ND	82	75	8.9				30 - 130	20	
2-Methylnaphthalene	ND	91	87	4.5				30 - 130	20	
2-Methylphenol (o-cresol)	ND	75	70	6.9				30 - 130	20	
2-Nitroaniline	ND	137	126	8.4				30 - 130	20	I
2-Nitrophenol	ND	90	78	14.3				30 - 130	20	
3&4-Methylphenol (m&p-cresol)	ND	80	72	10.5				30 - 130	20	
3,3'-Dichlorobenzidine	ND	>150	>150	NC				30 - 130	20	I
3-Nitroaniline	ND	>150	>150	NC				30 - 130	20	I
4,6-Dinitro-2-methylphenol	ND	112	107	4.6				30 - 130	20	
4-Bromophenyl phenyl ether	ND	109	98	10.6				30 - 130	20	
4-Chloro-3-methylphenol	ND	99	97	2.0				30 - 130	20	
4-Chloroaniline	ND	>150	>150	NC				30 - 130	20	I
4-Chlorophenyl phenyl ether	ND	99	93	6.3				30 - 130	20	
4-Nitroaniline	ND	103	95	8.1				30 - 130	20	
4-Nitrophenol	ND	133	127	4.6				30 - 130	20	I
Acenaphthene	ND	98	89	9.6				30 - 130	20	
Acenaphthylene	ND	95	88	7.7				30 - 130	20	
Acetophenone	ND	86	79	8.5				30 - 130	20	
Aniline	ND	>150	>150	NC				30 - 130	20	I
Anthracene	ND	98	88	10.8				30 - 130	20	
Benz(a)anthracene	0.12 B	101	92	9.3				30 - 130	20	
Benzidine	ND	26	28	7.4				10 - 130	20	
Benzo(a)pyrene	ND	89	82	8.2				30 - 130	20	
Benzo(b)fluoranthene	0.03 B	99	94	5.2				30 - 130	20	
Benzo(ghi)perylene	ND	89	93	4.4				30 - 130	20	
Benzo(k)fluoranthene	0.03 B	102	89	13.6				30 - 130	20	
Benzoic acid	ND	N/A	N/A	NC				30 - 130	20	
Benzyl butyl phthalate	ND	93	86	7.8				30 - 130	20	
Bis(2-chloroethoxy)methane	ND	84	78	7.4				30 - 130	20	
Bis(2-chloroethyl)ether	ND	75	70	6.9				30 - 130	20	
Bis(2-chloroisopropyl)ether	ND	76	70	8.2				30 - 130	20	
Bis(2-ethylhexyl)phthalate	ND	90	83	8.1				30 - 130	20	
Carbazole	ND	>150	>150	NC				30 - 130	20	I
Chrysene	0.12 B	93	86	7.8				30 - 130	20	
Dibenz(a,h)anthracene	ND	100	93	7.3				30 - 130	20	
Dibenzofuran	ND	102	95	7.1				30 - 130	20	
Diethyl phthalate	ND	97	94	3.1				30 - 130	20	
Dimethylphthalate	ND	98	91	7.4				30 - 130	20	
Di-n-butylphthalate	ND	100	90	10.5				30 - 130	20	
Di-n-octylphthalate	ND	95	92	3.2				30 - 130	20	
Fluoranthene	ND	107	92	15.1				30 - 130	20	
Fluorene	ND	99	92	7.3				30 - 130	20	
Hexachlorobenzene	ND	102	89	13.6				30 - 130	20	
Hexachlorobutadiene	ND	90	84	6.9				30 - 130	20	
Hexachlorocyclopentadiene	ND	89	85	4.6				30 - 130	20	
Hexachloroethane	ND	83	77	7.5				30 - 130	20	
Indeno(1,2,3-cd)pyrene	ND	98	90	8.5				30 - 130	20	
Isophorone	ND	90	80	11.8				30 - 130	20	
Naphthalene	ND	91	83	9.2				30 - 130	20	
Nitrobenzene	ND	82	76	7.6				30 - 130	20	
N-Nitrosodimethylamine	ND	88	79	10.8				30 - 130	20	
N-Nitrosodi-n-propylamine	ND	88	78	12.0				30 - 130	20	
N-Nitrosodiphenylamine	ND	134	125	6.9				30 - 130	20	I

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Pentachloronitrobenzene	ND	103	93	10.2				30 - 130	20	
Pentachlorophenol	ND	115	111	3.5				30 - 130	20	
Phenanthrene	ND	104	91	13.3				30 - 130	20	
Phenol	ND	76	70	8.2				30 - 130	20	
Pyrene	ND	107	92	15.1				30 - 130	20	
Pyridine	ND	59	56	5.2				30 - 130	20	
% 2,4,6-Tribromophenol	130	104	95	9.0				15 - 130	20	
% 2-Fluorobiphenyl	103	97	87	10.9				30 - 130	20	
% 2-Fluorophenol	98	69	63	9.1				15 - 130	20	
% Nitrobenzene-d5	109	80	75	6.5				30 - 130	20	
% Phenol-d5	100	71	66	7.3				15 - 130	20	
% Terphenyl-d14	114	111	95	15.5				30 - 130	20	

Comment:

Additional 8270 criteria:20% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. (Acid surrogates acceptance range for aqueous samples: 15-110%, for soils 30-130%)

QA/QC Batch 237864, QC Sample No: BD94713 (BD95572)

Volatiles - Ground Water

1,1,1,2-Tetrachloroethane	ND	117	114	2.6	103	127	20.9	70 - 130	30	
1,1,1-Trichloroethane	ND	113	104	8.3	104	124	17.5	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	95	103	8.1	100	122	19.8	70 - 130	30	
1,1,2-Trichloroethane	ND	99	107	7.8	101	124	20.4	70 - 130	30	
1,1-Dichloroethane	ND	104	99	4.9	98	118	18.5	70 - 130	30	
1,1-Dichloroethene	ND	110	101	8.5	102	132	25.6	70 - 130	30	m
1,1-Dichloropropene	ND	118	108	8.8	103	126	20.1	70 - 130	30	
1,2,3-Trichlorobenzene	ND	114	117	2.6	109	139	24.2	70 - 130	30	m
1,2,3-Trichloropropane	ND	99	110	10.5	101	117	14.7	70 - 130	30	
1,2,4-Trichlorobenzene	ND	118	117	0.9	109	136	22.0	70 - 130	30	m
1,2,4-Trimethylbenzene	ND	120	111	7.8	100	122	19.8	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	97	106	8.9	95	124	26.5	70 - 130	30	
1,2-Dibromoethane	ND	99	106	6.8	101	124	20.4	70 - 130	30	
1,2-Dichlorobenzene	ND	110	108	1.8	103	125	19.3	70 - 130	30	
1,2-Dichloroethane	ND	106	112	5.5	99	122	20.8	70 - 130	30	
1,2-Dichloropropane	ND	102	103	1.0	100	121	19.0	70 - 130	30	
1,3,5-Trimethylbenzene	ND	119	108	9.7	99	121	20.0	70 - 130	30	
1,3-Dichlorobenzene	ND	115	111	3.5	102	125	20.3	70 - 130	30	
1,3-Dichloropropane	ND	102	106	3.8	102	122	17.9	70 - 130	30	
1,4-Dichlorobenzene	ND	115	110	4.4	101	124	20.4	70 - 130	30	
2,2-Dichloropropane	ND	>150	>150	NC	127	149	15.9	70 - 130	30	l,m
2-Chlorotoluene	ND	116	108	7.1	99	120	19.2	70 - 130	30	
2-Hexanone	ND	94	106	12.0	93	118	23.7	70 - 130	30	
2-Isopropyltoluene	ND	121	106	13.2	99	122	20.8	70 - 130	30	
4-Chlorotoluene	ND	116	108	7.1	99	120	19.2	70 - 130	30	
4-Methyl-2-pentanone	ND	91	108	17.1	99	125	23.2	70 - 130	30	
Acetone	ND	73	79	7.9	90	112	21.8	70 - 130	30	
Acrylonitrile	ND	88	97	9.7	100	121	19.0	70 - 130	30	
Benzene	ND	106	102	3.8	100	121	19.0	70 - 130	30	
Bromobenzene	ND	112	110	1.8	100	121	19.0	70 - 130	30	
Bromochloromethane	ND	96	100	4.1	105	123	15.8	70 - 130	30	
Bromodichloromethane	ND	106	110	3.7	103	127	20.9	70 - 130	30	
Bromoform	ND	116	124	6.7	107	138	25.3	70 - 130	30	m
Bromomethane	ND	93	90	3.3	82	119	36.8	70 - 130	30	r
Carbon Disulfide	ND	97	86	12.0	96	119	21.4	70 - 130	30	

QA/QC Data

SDG I.D.: GBD95567

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Carbon tetrachloride	ND	128	119	7.3	104	128	20.7	70 - 130	30	
Chlorobenzene	ND	112	107	4.6	101	121	18.0	70 - 130	30	
Chloroethane	ND	101	92	9.3	101	129	24.3	70 - 130	30	
Chloroform	ND	104	100	3.9	102	123	18.7	70 - 130	30	
Chloromethane	ND	106	99	6.8	94	126	29.1	70 - 130	30	
cis-1,2-Dichloroethene	ND	102	99	3.0	100	119	17.4	70 - 130	30	
cis-1,3-Dichloropropene	ND	111	115	3.5	103	128	21.6	70 - 130	30	
Dibromochloromethane	ND	113	117	3.5	105	131	22.0	70 - 130	30	m
Dibromomethane	ND	100	106	5.8	100	123	20.6	70 - 130	30	
Dichlorodifluoromethane	ND	122	111	9.4	97	120	21.2	70 - 130	30	
Ethylbenzene	ND	112	103	8.4	102	123	18.7	70 - 130	30	
Hexachlorobutadiene	ND	115	94	20.1	88	109	21.3	70 - 130	30	
Isopropylbenzene	ND	122	110	10.3	102	121	17.0	70 - 130	30	
m&p-Xylene	ND	117	108	8.0	102	122	17.9	70 - 130	30	
Methyl ethyl ketone	ND	86	96	11.0	101	125	21.2	70 - 130	30	
Methyl t-butyl ether (MTBE)	ND	92	100	8.3	96	121	23.0	70 - 130	30	
Methylene chloride	ND	92	90	2.2	91	112	20.7	70 - 130	30	
Naphthalene	ND	102	107	4.8	106	131	21.1	70 - 130	30	m
n-Butylbenzene	ND	124	108	13.8	99	121	20.0	70 - 130	30	
n-Propylbenzene	ND	121	108	11.4	100	120	18.2	70 - 130	30	
o-Xylene	ND	111	104	6.5	102	122	17.9	70 - 130	30	
p-Isopropyltoluene	ND	121	106	13.2	99	122	20.8	70 - 130	30	
sec-Butylbenzene	ND	118	102	14.5	100	121	19.0	70 - 130	30	
Styrene	ND	106	103	2.9	103	125	19.3	70 - 130	30	
tert-Butylbenzene	ND	121	105	14.2	100	119	17.4	70 - 130	30	
Tetrachloroethene	ND	127	113	11.7	104	124	17.5	70 - 130	30	
Tetrahydrofuran (THF)	ND	89	96	7.6	99	122	20.8	70 - 130	30	
Toluene	ND	109	103	5.7	102	123	18.7	70 - 130	30	
trans-1,2-Dichloroethene	ND	109	101	7.6	99	120	19.2	70 - 130	30	
trans-1,3-Dichloropropene	ND	109	116	6.2	105	130	21.3	70 - 130	30	
trans-1,4-dichloro-2-butene	ND	122	130	6.3	100	133	28.3	70 - 130	30	m
Trichloroethene	ND	117	109	7.1	101	123	19.6	70 - 130	30	
Trichlorofluoromethane	ND	112	103	8.4	102	130	24.1	70 - 130	30	
Trichlorotrifluoroethane	ND	114	106	7.3	106	134	23.3	70 - 130	30	m
Vinyl chloride	ND	115	105	9.1	94	120	24.3	70 - 130	30	
% 1,2-dichlorobenzene-d4	97	96	97	1.0	99	100	1.0	70 - 130	30	
% Bromofluorobenzene	99	99	101	2.0	99	101	2.0	70 - 130	30	
% Dibromofluoromethane	102	102	100	2.0	102	102	0.0	70 - 130	30	
% Toluene-d8	100	99	99	0.0	100	100	0.0	70 - 130	30	

Comment:

Additional 8260 criteria: 10% of compounds can be outside of acceptance criteria as long as recovery is 40-160%.

QA/QC Batch 236589, QC Sample No: BD94981 (BD95572)

Polychlorinated Biphenyls - Ground Water

PCB-1016	ND	88	92	4.4	97	98	1.0	40 - 140	20
PCB-1221	ND							40 - 140	20
PCB-1232	ND							40 - 140	20
PCB-1242	ND							40 - 140	20
PCB-1248	ND							40 - 140	20
PCB-1254	ND							40 - 140	20
PCB-1260	ND	98	99	1.0	103	105	1.9	40 - 140	20
PCB-1262	ND							40 - 140	20
PCB-1268	ND							40 - 140	20

QA/QC Data

SDG I.D.: GBD95567

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
% DCBP (Surrogate Rec)	80	81	74	9.0	112	113	0.9	30 - 150	20	
% TCMX (Surrogate Rec)	81	85	77	9.9	88	91	3.4	30 - 150	20	
QA/QC Batch 237671, QC Sample No: BD95120 (BD95567, BD95570, BD95571)										
Volatiles - Soil										
1,1,1,2-Tetrachloroethane	ND	105	104	1.0	121	105	14.2	70 - 130	30	
1,1,1-Trichloroethane	ND	114	115	0.9	136	117	15.0	70 - 130	30	m
1,1,2,2-Tetrachloroethane	ND	90	86	4.5	106	97	8.9	70 - 130	30	
1,1,2-Trichloroethane	ND	108	106	1.9	114	102	11.1	70 - 130	30	
1,1-Dichloroethane	ND	113	114	0.9	129	115	11.5	70 - 130	30	
1,1-Dichloroethene	ND	97	98	1.0	115	101	13.0	70 - 130	30	
1,1-Dichloropropene	ND	108	107	0.9	130	113	14.0	70 - 130	30	
1,2,3-Trichlorobenzene	ND	92	91	1.1	110	101	8.5	70 - 130	30	
1,2,3-Trichloropropane	ND	95	91	4.3	107	106	0.9	70 - 130	30	
1,2,4-Trichlorobenzene	ND	86	87	1.2	114	103	10.1	70 - 130	30	
1,2,4-Trimethylbenzene	ND	108	109	0.9	134	119	11.9	70 - 130	30	m
1,2-Dibromo-3-chloropropane	ND	109	104	4.7	110	102	7.5	70 - 130	30	
1,2-Dibromoethane	ND	110	108	1.8	118	109	7.9	70 - 130	30	
1,2-Dichlorobenzene	ND	97	97	0.0	116	103	11.9	70 - 130	30	
1,2-Dichloroethane	ND	114	112	1.8	131	115	13.0	70 - 130	30	m
1,2-Dichloropropane	ND	109	108	0.9	122	110	10.3	70 - 130	30	
1,3,5-Trimethylbenzene	ND	107	107	0.0	133	118	12.0	70 - 130	30	m
1,3-Dichlorobenzene	ND	96	97	1.0	119	107	10.6	70 - 130	30	
1,3-Dichloropropane	ND	100	97	3.0	109	99	9.6	70 - 130	30	
1,4-Dichlorobenzene	ND	94	94	0.0	115	102	12.0	70 - 130	30	
2,2-Dichloropropane	ND	105	106	0.9	125	111	11.9	70 - 130	30	
2-Chlorotoluene	ND	109	109	0.0	130	117	10.5	70 - 130	30	
2-Hexanone	ND	130	127	2.3	132	119	10.4	70 - 130	30	m
2-Isopropyltoluene	ND	114	115	0.9	134	119	11.9	70 - 130	30	m
4-Chlorotoluene	ND	101	102	1.0	127	113	11.7	70 - 130	30	
4-Methyl-2-pentanone	ND	136	129	5.3	145	129	11.7	70 - 130	30	l,m
Acetone	ND	88	86	2.3	86	74	15.0	70 - 130	30	
Acrylonitrile	ND	119	116	2.6	134	123	8.6	70 - 130	30	m
Benzene	ND	95	96	1.0	112	99	12.3	70 - 130	30	
Bromobenzene	ND	95	93	2.1	109	100	8.6	70 - 130	30	
Bromochloromethane	ND	109	110	0.9	123	108	13.0	70 - 130	30	
Bromodichloromethane	ND	106	105	0.9	120	105	13.3	70 - 130	30	
Bromoform	ND	103	99	4.0	107	95	11.9	70 - 130	30	
Bromomethane	ND	96	98	2.1	96	84	13.3	70 - 130	30	
Carbon Disulfide	ND	89	91	2.2	111	100	10.4	70 - 130	30	
Carbon tetrachloride	ND	111	111	0.0	129	112	14.1	70 - 130	30	
Chlorobenzene	ND	98	98	0.0	113	101	11.2	70 - 130	30	
Chloroethane	ND	112	111	0.9	66	57	14.6	70 - 130	30	m
Chloroform	ND	106	106	0.0	123	108	13.0	70 - 130	30	
Chloromethane	ND	125	127	1.6	148	129	13.7	70 - 130	30	m
cis-1,2-Dichloroethene	ND	111	113	1.8	123	112	9.4	70 - 130	30	
cis-1,3-Dichloropropene	ND	105	103	1.9	117	104	11.8	70 - 130	30	
Dibromochloromethane	ND	111	110	0.9	121	108	11.4	70 - 130	30	
Dibromomethane	ND	102	100	2.0	113	100	12.2	70 - 130	30	
Dichlorodifluoromethane	ND	107	108	0.9	133	116	13.7	70 - 130	30	m
Ethylbenzene	ND	98	99	1.0	120	105	13.3	70 - 130	30	
Hexachlorobutadiene	ND	92	93	1.1	119	103	14.4	70 - 130	30	
Isopropylbenzene	ND	114	115	0.9	132	119	10.4	70 - 130	30	m

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
m&p-Xylene	ND	100	99	1.0	118	105	11.7	70 - 130	30	
Methyl ethyl ketone	ND	113	104	8.3	120	108	10.5	70 - 130	30	
Methyl t-butyl ether (MTBE)	ND	107	104	2.8	131	114	13.9	70 - 130	30	m
Methylene chloride	ND	99	100	1.0	113	100	12.2	70 - 130	30	
Naphthalene	ND	129	127	1.6	131	131	0.0	70 - 130	30	m
n-Butylbenzene	ND	100	101	1.0	128	114	11.6	70 - 130	30	
n-Propylbenzene	ND	108	108	0.0	131	116	12.1	70 - 130	30	m
o-Xylene	ND	105	106	0.9	121	108	11.4	70 - 130	30	
p-Isopropyltoluene	ND	110	110	0.0	138	122	12.3	70 - 130	30	m
sec-Butylbenzene	ND	106	107	0.9	131	116	12.1	70 - 130	30	m
Styrene	ND	101	96	5.1	119	106	11.6	70 - 130	30	
tert-Butylbenzene	ND	116	117	0.9	138	123	11.5	70 - 130	30	m
Tetrachloroethene	ND	100	99	1.0	118	106	10.7	70 - 130	30	
Tetrahydrofuran (THF)	ND	131	124	5.5	142	126	11.9	70 - 130	30	l,m
Toluene	ND	100	99	1.0	110	99	10.5	70 - 130	30	
trans-1,2-Dichloroethene	ND	104	105	1.0	120	105	13.3	70 - 130	30	
trans-1,3-Dichloropropene	ND	103	102	1.0	116	104	10.9	70 - 130	30	
trans-1,4-dichloro-2-butene	ND	101	96	5.1	104	89	15.5	70 - 130	30	
Trichloroethene	ND	113	114	0.9	124	110	12.0	70 - 130	30	
Trichlorofluoromethane	ND	96	98	2.1	46	41	11.5	70 - 130	30	m
Trichlorotrifluoroethane	ND	91	89	2.2	115	100	14.0	70 - 130	30	
Vinyl chloride	ND	112	113	0.9	127	113	11.7	70 - 130	30	
% 1,2-dichlorobenzene-d4	102	101	100	1.0	100	100	0.0	70 - 130	30	
% Bromofluorobenzene	98	103	102	1.0	104	103	1.0	70 - 130	30	
% Dibromofluoromethane	96	99	103	4.0	96	96	0.0	70 - 130	30	
% Toluene-d8	98	100	99	1.0	98	100	2.0	70 - 130	30	

Comment:

Additional 8260 criteria: 10% of compounds can be outside of acceptance criteria as long as recovery is 40-160%.

QA/QC Batch 237417, QC Sample No: BD95260 (BD95568, BD95569)

Volatiles - Soil

1,1,1,2-Tetrachloroethane	ND	101	102	1.0				70 - 130	30	
1,1,1-Trichloroethane	ND	100	98	2.0				70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	96	96	0.0				70 - 130	30	
1,1,2-Trichloroethane	ND	108	109	0.9				70 - 130	30	
1,1-Dichloroethane	ND	98	98	0.0				70 - 130	30	
1,1-Dichloroethene	ND	94	92	2.2				70 - 130	30	
1,1-Dichloropropene	ND	96	96	0.0				70 - 130	30	
1,2,3-Trichlorobenzene	ND	84	86	2.4				70 - 130	30	
1,2,3-Trichloropropane	ND	100	100	0.0				70 - 130	30	
1,2,4-Trichlorobenzene	ND	76	76	0.0				70 - 130	30	
1,2,4-Trimethylbenzene	ND	92	92	0.0				70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	110	113	2.7				70 - 130	30	
1,2-Dibromoethane	ND	107	105	1.9				70 - 130	30	
1,2-Dichlorobenzene	ND	91	91	0.0				70 - 130	30	
1,2-Dichloroethane	ND	100	99	1.0				70 - 130	30	
1,2-Dichloropropane	ND	104	105	1.0				70 - 130	30	
1,3,5-Trimethylbenzene	ND	92	93	1.1				70 - 130	30	
1,3-Dichlorobenzene	ND	86	87	1.2				70 - 130	30	
1,3-Dichloropropane	ND	103	100	3.0				70 - 130	30	
1,4-Dichlorobenzene	ND	85	86	1.2				70 - 130	30	
2,2-Dichloropropane	ND	86	85	1.2				70 - 130	30	
2-Chlorotoluene	ND	89	94	5.5				70 - 130	30	

QA/QC Data

SDG I.D.: GBD95567

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
2-Hexanone	ND	110	108	1.8				70 - 130	30
2-Isopropyltoluene	ND	97	99	2.0				70 - 130	30
4-Chlorotoluene	ND	86	87	1.2				70 - 130	30
4-Methyl-2-pentanone	ND	111	108	2.7				70 - 130	30
Acetone	ND	79	76	3.9				70 - 130	30
Acrylonitrile	ND	98	96	2.1				70 - 130	30
Benzene	ND	99	100	1.0				70 - 130	30
Bromobenzene	ND	96	96	0.0				70 - 130	30
Bromochloromethane	ND	97	96	1.0				70 - 130	30
Bromodichloromethane	ND	104	103	1.0				70 - 130	30
Bromoform	ND	107	106	0.9				70 - 130	30
Bromomethane	ND	92	87	5.6				70 - 130	30
Carbon Disulfide	ND	87	87	0.0				70 - 130	30
Carbon tetrachloride	ND	101	100	1.0				70 - 130	30
Chlorobenzene	ND	95	95	0.0				70 - 130	30
Chloroethane	ND	97	97	0.0				70 - 130	30
Chloroform	ND	104	95	9.0				70 - 130	30
Chloromethane	ND	93	95	2.1				70 - 130	30
cis-1,2-Dichloroethene	ND	100	102	2.0				70 - 130	30
cis-1,3-Dichloropropene	ND	100	99	1.0				70 - 130	30
Dibromochloromethane	ND	103	101	2.0				70 - 130	30
Dibromomethane	ND	102	102	0.0				70 - 130	30
Dichlorodifluoromethane	ND	85	84	1.2				70 - 130	30
Ethylbenzene	ND	93	93	0.0				70 - 130	30
Hexachlorobutadiene	ND	86	86	0.0				70 - 130	30
Isopropylbenzene	ND	98	100	2.0				70 - 130	30
m&p-Xylene	ND	92	92	0.0				70 - 130	30
Methyl ethyl ketone	ND	99	99	0.0				70 - 130	30
Methyl t-butyl ether (MTBE)	ND	93	93	0.0				70 - 130	30
Methylene chloride	ND	92	91	1.1				70 - 130	30
Naphthalene	ND	103	103	0.0				70 - 130	30
n-Butylbenzene	ND	87	87	0.0				70 - 130	30
n-Propylbenzene	ND	92	93	1.1				70 - 130	30
o-Xylene	ND	101	100	1.0				70 - 130	30
p-Isopropyltoluene	ND	91	91	0.0				70 - 130	30
sec-Butylbenzene	ND	93	92	1.1				70 - 130	30
Styrene	ND	96	96	0.0				70 - 130	30
tert-Butylbenzene	ND	99	99	0.0				70 - 130	30
Tetrachloroethene	ND	91	90	1.1				70 - 130	30
Tetrahydrofuran (THF)	ND	106	106	0.0				70 - 130	30
Toluene	ND	100	100	0.0				70 - 130	30
trans-1,2-Dichloroethene	ND	94	94	0.0				70 - 130	30
trans-1,3-Dichloropropene	ND	98	98	0.0				70 - 130	30
trans-1,4-dichloro-2-butene	ND	101	97	4.0				70 - 130	30
Trichloroethene	ND	100	102	2.0				70 - 130	30
Trichlorofluoromethane	ND	92	93	1.1				70 - 130	30
Trichlorotrifluoroethane	ND	90	89	1.1				70 - 130	30
Vinyl chloride	ND	100	101	1.0				70 - 130	30
% 1,2-dichlorobenzene-d4	99	102	102	0.0				70 - 130	30
% Bromofluorobenzene	100	101	101	0.0				70 - 130	30
% Dibromofluoromethane	97	99	104	4.9				70 - 130	30
% Toluene-d8	96	102	103	1.0				70 - 130	30

QA/QC Data

SDG I.D.: GBD95567

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	

Comment:

The MS/MSD are not reported for this batch.

Additional 8260 criteria: 10% of compounds can be outside of acceptance criteria as long as recovery is 40-160%.

QA/QC Batch 236772, QC Sample No: BD95567 (BD95567, BD95568, BD95569, BD95570, BD95571)

Polychlorinated Biphenyls - Soil

PCB-1016	ND	91	92	1.1	95	115	19.0	40 - 140	30	
PCB-1221	ND							40 - 140	30	
PCB-1232	ND							40 - 140	30	
PCB-1242	ND							40 - 140	30	
PCB-1248	ND							40 - 140	30	
PCB-1254	ND							40 - 140	30	
PCB-1260	ND	96	87	9.8	90	112	21.8	40 - 140	30	
PCB-1262	ND							40 - 140	30	
PCB-1268	ND							40 - 140	30	
% DCBP (Surrogate Rec)	89	107	94	12.9	95	116	19.9	30 - 150	30	
% TCMX (Surrogate Rec)	92	94	97	3.1	100	124	21.4	30 - 150	30	

QA/QC Batch 236771, QC Sample No: BD95567 (BD95567, BD95568, BD95569, BD95570, BD95571)

Semivolatiles - Soil

1,2,4,5-Tetrachlorobenzene	ND	85	69	20.8	80	85	6.1	30 - 130	30	
1,2,4-Trichlorobenzene	ND	83	79	4.9	79	81	2.5	30 - 130	30	
1,2-Dichlorobenzene	ND	83	82	1.2	83	77	7.5	30 - 130	30	
1,2-Diphenylhydrazine	ND	80	84	4.9	87	98	11.9	30 - 130	30	
1,3-Dichlorobenzene	ND	79	81	2.5	82	77	6.3	30 - 130	30	
1,4-Dichlorobenzene	ND	81	77	5.1	75	77	2.6	30 - 130	30	
2,4,5-Trichlorophenol	ND	84	88	4.7	96	102	6.1	30 - 130	30	
2,4,6-Trichlorophenol	ND	84	87	3.5	80	90	11.8	30 - 130	30	
2,4-Dichlorophenol	ND	89	83	7.0	85	84	1.2	30 - 130	30	
2,4-Dimethylphenol	ND	53	53	0.0	52	50	3.9	30 - 130	30	
2,4-Dinitrophenol	ND	<5	33	NC	<5	<5	NC	30 - 130	30	l,m
2,4-Dinitrotoluene	ND	96	90	6.5	99	104	4.9	30 - 130	30	
2,6-Dinitrotoluene	ND	93	88	5.5	88	92	4.4	30 - 130	30	
2-Chloronaphthalene	ND	85	82	3.6	83	89	7.0	30 - 130	30	
2-Chlorophenol	ND	81	86	6.0	87	84	3.5	30 - 130	30	
2-Methylnaphthalene	ND	80	71	11.9	80	89	10.7	30 - 130	30	
2-Methylphenol (o-cresol)	ND	81	81	0.0	79	75	5.2	30 - 130	30	
2-Nitroaniline	ND	150	>150	NC	>150	>150	NC	30 - 130	30	l,m
2-Nitrophenol	ND	78	83	6.2	87	78	10.9	30 - 130	30	
3&4-Methylphenol (m&p-cresol)	ND	84	83	1.2	81	78	3.8	30 - 130	30	
3,3'-Dichlorobenzidine	ND	137	114	18.3	104	117	11.8	30 - 130	30	l
3-Nitroaniline	ND	>150	139	NC	130	135	3.8	30 - 130	30	l,m
4,6-Dinitro-2-methylphenol	ND	41	91	75.8	30	32	6.5	30 - 130	30	r
4-Bromophenyl phenyl ether	ND	94	89	5.5	76	84	10.0	30 - 130	30	
4-Chloro-3-methylphenol	ND	82	75	8.9	82	95	14.7	30 - 130	30	
4-Chloroaniline	ND	80	72	10.5	49	57	15.1	30 - 130	30	
4-Chlorophenyl phenyl ether	ND	87	88	1.1	88	91	3.4	30 - 130	30	
4-Nitroaniline	ND	94	87	7.7	92	99	7.3	30 - 130	30	
4-Nitrophenol	ND	90	90	0.0	129	127	1.6	30 - 130	30	
Acenaphthene	ND	93	88	5.5	88	92	4.4	30 - 130	30	
Acenaphthylene	ND	88	83	5.8	84	85	1.2	30 - 130	30	
Acetophenone	ND	87	87	0.0	85	84	1.2	30 - 130	30	
Aniline	ND	102	98	4.0	67	69	2.9	30 - 130	30	

QA/QC Data

SDG I.D.: GBD95567

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Anthracene	ND	92	84	9.1	89	91	2.2	30 - 130	30	
Benz(a)anthracene	ND	95	87	8.8	87	90	3.4	30 - 130	30	
Benzidine	ND	92	47	64.7	<5	<5	NC	30 - 130	30	m,r
Benzo(a)pyrene	ND	87	79	9.6	79	80	1.3	30 - 130	30	
Benzo(b)fluoranthene	ND	109	100	8.6	84	89	5.8	30 - 130	30	
Benzo(ghi)perylene	ND	94	87	7.7	104	104	0.0	30 - 130	30	
Benzo(k)fluoranthene	ND	97	100	3.0	86	86	0.0	30 - 130	30	
Benzyl butyl phthalate	ND	94	88	6.6	108	104	3.8	30 - 130	30	
Bis(2-chloroethoxy)methane	ND	86	84	2.4	82	85	3.6	30 - 130	30	
Bis(2-chloroethyl)ether	ND	75	77	2.6	85	77	9.9	30 - 130	30	
Bis(2-chloroisopropyl)ether	ND	83	81	2.4	78	77	1.3	30 - 130	30	
Bis(2-ethylhexyl)phthalate	ND	94	84	11.2	96	101	5.1	30 - 130	30	
Carbazole	ND	131	113	14.8	136	147	7.8	30 - 130	30	l,m
Chrysene	ND	93	86	7.8	88	88	0.0	30 - 130	30	
Dibenz(a,h)anthracene	ND	95	87	8.8	107	108	0.9	30 - 130	30	
Dibenzofuran	ND	94	87	7.7	89	91	2.2	30 - 130	30	
Diethyl phthalate	ND	94	90	4.3	89	92	3.3	30 - 130	30	
Dimethylphthalate	ND	94	84	11.2	86	90	4.5	30 - 130	30	
Di-n-butylphthalate	ND	108	88	20.4	109	93	15.8	30 - 130	30	
Di-n-octylphthalate	ND	83	78	6.2	83	83	0.0	30 - 130	30	
Fluoranthene	ND	103	92	11.3	94	95	1.1	30 - 130	30	
Fluorene	ND	93	89	4.4	92	96	4.3	30 - 130	30	
Hexachlorobenzene	ND	94	87	7.7	79	86	8.5	30 - 130	30	
Hexachlorobutadiene	ND	88	77	13.3	80	82	2.5	30 - 130	30	
Hexachlorocyclopentadiene	ND	81	67	18.9	10	10	0.0	30 - 130	30	m
Hexachloroethane	ND	87	83	4.7	71	64	10.4	30 - 130	30	
Indeno(1,2,3-cd)pyrene	ND	95	87	8.8	105	105	0.0	30 - 130	30	
Isophorone	ND	84	85	1.2	96	86	11.0	30 - 130	30	
Naphthalene	ND	88	83	5.8	83	85	2.4	30 - 130	30	
Nitrobenzene	ND	89	84	5.8	86	81	6.0	30 - 130	30	
N-Nitrosodimethylamine	ND	90	78	14.3	83	73	12.8	30 - 130	30	
N-Nitrosodi-n-propylamine	ND	84	85	1.2	81	79	2.5	30 - 130	30	
N-Nitrosodiphenylamine	ND	94	102	8.2	104	116	10.9	30 - 130	30	
Pentachloronitrobenzene	ND	92	88	4.4	81	92	12.7	30 - 130	30	
Pentachlorophenol	ND	76	101	28.2	123	118	4.1	30 - 130	30	
Phenanthrene	ND	93	86	7.8	88	91	3.4	30 - 130	30	
Phenol	ND	86	86	0.0	86	86	0.0	30 - 130	30	
Pyrene	ND	115	91	23.3	86	77	11.0	30 - 130	30	
Pyridine	ND	73	64	13.1	50	33	41.0	30 - 130	30	r
% 2,4,6-Tribromophenol	87	98	93	5.2	79	102	25.4	30 - 130	30	
% 2-Fluorobiphenyl	80	83	81	2.4	75	88	16.0	30 - 130	30	
% 2-Fluorophenol	87	84	71	16.8	75	79	5.2	30 - 130	30	
% Nitrobenzene-d5	91	88	82	7.1	79	76	3.9	30 - 130	30	
% Phenol-d5	86	85	85	0.0	82	82	0.0	30 - 130	30	
% Terphenyl-d14	87	133	99	29.3	80	81	1.2	30 - 130	30	l

Comment:

Additional 8270 criteria: 20% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. (Acid surrogates acceptance range for aqueous samples: 15-110%, for soils 30-130%)

QA/QC Batch 236823, QC Sample No: BD95572 (BD95572)

Pesticides - Ground Water

4,4' -DDD	ND	73	72	1.4				40 - 140	20	
4,4' -DDE	ND	65	66	1.5				40 - 140	20	

QA/QC Data

SDG I.D.: GBD95567

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
4,4' -DDT	ND	69	70	1.4				40 - 140	20
a-BHC	ND	60	62	3.3				40 - 140	20
a-Chlordane	ND	62	63	1.6				40 - 140	20
Alachlor	ND	N/A	N/A	NC				40 - 140	20
Aldrin	ND	49	48	2.1				40 - 140	20
b-BHC	ND	64	60	6.5				40 - 140	20
Chlordane	ND	N/A	N/A	NC				40 - 140	20
d-BHC	ND	59	59	0.0				40 - 140	20
Dieldrin	ND	62	63	1.6				40 - 140	20
Endosulfan I	ND	60	61	1.7				40 - 140	20
Endosulfan II	ND	67	67	0.0				40 - 140	20
Endosulfan sulfate	ND	70	64	9.0				40 - 140	20
Endrin	ND	71	74	4.1				40 - 140	20
Endrin aldehyde	ND	68	72	5.7				40 - 140	20
Endrin ketone	ND	61	62	1.6				40 - 140	20
g-BHC	ND	63	62	1.6				40 - 140	20
g-Chlordane	ND	58	59	1.7				40 - 140	20
Heptachlor	ND	59	61	3.3				40 - 140	20
Heptachlor epoxide	ND	58	59	1.7				40 - 140	20
Methoxychlor	ND	63	66	4.7				40 - 140	20
Toxaphene	ND	N/A	N/A	NC				40 - 140	20
% DCBP	105	93	88	5.5				30 - 150	20
% TCMX	90	88	88	0.0				30 - 150	20

Comment:

A LCS and LCS duplicate were performed instead of a matrix spike and matrix spike duplicate, unless otherwise noted. Alpha and gamma chlordane were spiked and analyzed instead of technical chlordane.

l = This parameter is outside laboratory lcs/lcsd specified recovery limits.
m = This parameter is outside laboratory ms/msd specified recovery limits.
r = This parameter is outside laboratory rpd specified recovery limits.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria
Intf - Interference

Phyllis Shiller, Laboratory Director
July 05, 2013

Sample Criteria Exceedences Report

Requested Criteria: 375, 375RS, GW

State: NY

GBD95567 - GALLI-ENG

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BD95567	CR-SM	Chromium	NY / 375-6.8 Metals / Unrestricted Use Soil	26.0	0.37	1	1	mg/Kg
BD95568	$8270-SMR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	3400	250	1000	1000	ug/Kg
BD95568	$8270-SMR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	3400	250	1000	1000	ug/Kg
BD95568	$8270-SMR	Chrysene	NY / 375-6.8 Semivolatiles / Residential	3400	250	1000	1000	ug/Kg
BD95568	$8270-SMR	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	3400	250	1000	1000	ug/Kg
BD95568	$8270-SMR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	4000	250	1000	1000	ug/Kg
BD95568	$8270-SMR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	4000	250	1000	1000	ug/Kg
BD95568	$8270-SMR	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	1500	250	1000	1000	ug/Kg
BD95568	$8270-SMR	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1500	250	800	800	ug/Kg
BD95568	$8270-SMR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	2700	250	1000	1000	ug/Kg
BD95568	$8270-SMR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2700	250	1000	1000	ug/Kg
BD95568	$8270-SMR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	890	250	500	500	ug/Kg
BD95568	$8270-SMR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	890	250	500	500	ug/Kg
BD95568	$8270-SMR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential	360	250	330	330	ug/Kg
BD95568	$8270-SMR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	360	250	330	330	ug/Kg
BD95568	$PEST_SMR	4,4' -DDT	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND*	9.2	3.3	3.3	ug/Kg
BD95568	CR-SM	Chromium	NY / 375-6.8 Metals / Unrestricted Use Soil	19.9	0.37	1	1	mg/Kg
BD95568	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	61.2	0.37	50	50	mg/kg
BD95568	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.24	0.09	0.18	0.18	mg/Kg
BD95568	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	393	3.7	63	63	mg/Kg
BD95568	ZN-SM	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	154	3.7	109	109	mg/Kg
BD95569	CR-SM	Chromium	NY / 375-6.8 Metals / Unrestricted Use Soil	9.37	0.36	1	1	mg/Kg
BD95570	$8270-SMR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	1800	250	1000	1000	ug/Kg
BD95570	$8270-SMR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1800	250	1000	1000	ug/Kg
BD95570	$8270-SMR	Chrysene	NY / 375-6.8 Semivolatiles / Residential	2000	250	1000	1000	ug/Kg
BD95570	$8270-SMR	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2000	250	1000	1000	ug/Kg
BD95570	$8270-SMR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	2600	250	1000	1000	ug/Kg
BD95570	$8270-SMR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2600	250	1000	1000	ug/Kg
BD95570	$8270-SMR	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	840	250	800	800	ug/Kg
BD95570	$8270-SMR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	1700	250	1000	1000	ug/Kg
BD95570	$8270-SMR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1700	250	1000	1000	ug/Kg
BD95570	$8270-SMR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	1300	250	500	500	ug/Kg
BD95570	$8270-SMR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1300	250	500	500	ug/Kg
BD95570	$8270-SMR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential	370	250	330	330	ug/Kg
BD95570	$8270-SMR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	370	250	330	330	ug/Kg
BD95570	$PCB_SMR	PCB-1260	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	190	71	100	100	ug/Kg
BD95570	$PEST_SMR	4,4' -DDE	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND*	4.3	3.3	3.3	ug/Kg
BD95570	$PEST_SMR	4,4' -DDD	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND*	18	3.3	3.3	ug/Kg
BD95570	$PEST_SMR	4,4' -DDT	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND*	5.7	3.3	3.3	ug/Kg
BD95570	CR-SM	Chromium	NY / 375-6.8 Metals / Unrestricted Use Soil	23.0	0.38	1	1	mg/Kg

Sample Criteria Exceedences Report

GBD95567 - GALLI-ENG

Requested Criteria: 375, 375RS, GW

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BD95570	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.19	0.08	0.18	0.18	mg/Kg
BD95570	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	76.6	0.38	63	63	mg/Kg
BD95571	CR-SM	Chromium	NY / 375-6.8 Metals / Unrestricted Use Soil	12.4	0.33	1	1	mg/Kg
BD95572	$8260GWR	Chloromethane	NY / TOGS - Water Quality / GA Criteria	8.3	1.0	5	5	ug/L
BD95572	$8260GWR	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.0006	0.0006	ug/L
BD95572	$8260GWR	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BD95572	$8260GWR	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BD95572	$8270-SIMR	Benz(a)anthracene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.1	0.040	0.002	0.002	ug/L
BD95572	$8270-SIMR	Benz(a)anthracene	NY / TOGS - Water Quality / GA Criteria	0.1	0.040	0.002	0.002	ug/L
BD95572	$8270-SIMR	Chrysene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.11	0.050	0.002	0.002	ug/L
BD95572	$8270-SIMR	Chrysene	NY / TOGS - Water Quality / GA Criteria	0.11	0.050	0.002	0.002	ug/L
BD95572	$8270-SIMR	Benzo(b)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.09	0.050	0.002	0.002	ug/L
BD95572	$8270-SIMR	Benzo(b)fluoranthene	NY / TOGS - Water Quality / GA Criteria	0.09	0.050	0.002	0.002	ug/L
BD95572	$8270-SIMR	Benzo(k)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BD95572	$8270-SIMR	Benzo(k)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BD95572	$8270-SIMR	Benzo(a)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.05	0.050	0.002	0.002	ug/L
BD95572	$8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BD95572	$8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BD95572	$PEST_GAWR	Dieldrin	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	0.22	0.008	0.01	0.01	ug/L
BD95572	$PEST_GAWR	Dieldrin	NY / TOGS - Water Quality / GA Criteria	0.22	0.008	0.004	0.004	ug/L
BD95572	$PEST_GAWR	Toxaphene	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.06	0.06	ug/L
BD95572	AL-WM	Aluminum	NY / TOGS - Water Quality / GA Criteria	26.1	0.010	0.1	0.1	mg/L
BD95572	CR-WM	Chromium	NY / TOGS - Water Quality / GA Criteria	0.191	0.001	0.05	0.05	mg/L
BD95572	CU-WM	Copper	NY / TOGS - Water Quality / GA Criteria	0.222	0.005	0.2	0.2	mg/L
BD95572	D-AL	Aluminum (Dissolved)	NY / TOGS - Water Quality / GA Criteria	0.17	0.01	0.1	0.1	mg/L
BD95572	D-FE	Iron (Dissolved)	NY / TOGS - Water Quality / GA Criteria	0.551	0.011	0.3	0.3	mg/L
BD95572	D-MN	Manganese (Dissolved)	NY / TOGS - Water Quality / GA Criteria	1.14	0.001	0.3	0.3	mg/L
BD95572	D-NA	Sodium (Dissolved)	NY / TOGS - Water Quality / GA Criteria	113	1.1	20	20	mg/L
BD95572	D-SB	Antimony (Dissolved)	NY / TOGS - Water Quality / GA Criteria	BRL	0.005	0.003	0.003	mg/L
BD95572	D-SE	Selenium (Dissolved)	NY / TOGS - Water Quality / GA Criteria	BRL	0.011	0.01	0.01	mg/L
BD95572	D-TL	Thallium (Dissolved)	NY / TOGS - Water Quality / GA Criteria	BRL	0.002	0.0005	0.0005	mg/L
BD95572	FE-WM	Iron	NY / TOGS - Water Quality / GA Criteria	70.7	0.010	0.3	0.3	mg/L
BD95572	MG-WM	Magnesium	NY / TOGS - Water Quality / GA Criteria	38.5	0.01	35	35	mg/L
BD95572	MN-WM	Manganese	NY / TOGS - Water Quality / GA Criteria	8.59	0.010	0.3	0.3	mg/L
BD95572	NA-WM	Sodium	NY / TOGS - Water Quality / GA Criteria	118	1.0	20	20	mg/L
BD95572	NI-WM	Nickel	NY / TOGS - Water Quality / GA Criteria	0.163	0.001	0.1	0.1	mg/L
BD95572	PB-WM	Lead	NY / TOGS - Water Quality / GA Criteria	0.083	0.002	0.025	0.025	mg/L
BD95572	SB-WM	Antimony	NY / TOGS - Water Quality / GA Criteria	BRL	0.005	0.003	0.003	mg/L
BD95572	TL-WM	Thallium	NY / TOGS - Water Quality / GA Criteria	BRL	0.002	0.0005	0.0005	mg/L

Sample Criteria Exceedences Report

GBD95567 - GALLI-ENG

Requested Criteria: 375, 375RS, GW

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY Temperature Narration

July 05, 2013

SDG I.D.: GBD95567

The samples in this delivery group were received at 4°C.
(Note acceptance criteria is above freezing up to 6°C)

NY/NJ CHAIN OF CUSTODY RECORD

PHOENIX Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

4°w/c + IP Temp Pg of

Data Delivery:
☐ Fax #:
☒ Email: tgehrlin@galliem.com

Customer: Galli Engineering
Address:
Project: 25-17 38th Ave
Report to:
Invoice to:
Project P.O.:
Phone #:
Fax #:

Client Sample Information - Identification

Sampler's Signature: [signature] Date: 6/20/13

Matrix Code:
DW=drinking water WW=wastewater S=soil/solid O=oil
GW=groundwater SL=sludge A=air X=other

Analysis Request

Phoenix Sample #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	VOC	SVOC	PCB	Pesticides	TAL Metals	Dissolved Metals	Soil VOA [ ] Methanol [ ] S. Bisulfate [ ] H2O	GL Soil container ( ) oz	GL Soil container (8) oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
95567	SB1 8-10'	S	6/20		X	X	↓	↓	↓			3		2						5
*95568	SB2 1'-3'	S	6/20		↓	↓	↓	↓	↓			↓		↓						5
① 95569	SB2 37'-39		6/20																	5
95570	SB3		6/20																	5
95571	SB4 8'-10'	S	6/20									↓		↓						5
95572	SB2 GW	GW	6/20		↓	↓	↓	↓	↓	X					3	4	1		1			9
																						34

Relinquished by:	Accepted by:	Date:	Time:
[signature]	[signature]	6-21-13	8:50 AM
[signature]	Claudette	6-21-13	1506

Turnaround:
☐ 1 Day*
☐ 2 Days*
☐ 3 Days*
☒ 5 Days
☐ 10 Days
☐ Other
* SURCHARGE APPLIES

NJ
☐ Res. Criteria
☐ Non-Res. Criteria
☐ Impact to GW Soil Cleanup Criteria
☐ GW Criteria

NY
☒ TOGS GA GW
☐ CP-51 Soil
☒ NY375 Unrestricted Soil
☒ NY375 Residential Soil
☐ NY375 Restricted Non-Residential Soil

Data Format
☒ Phoenix Std Report
☒ Excel
☐ PDF
☐ GIS/Key
☐ EQuIS
☐ NJ Hazsite EDD
☐ NY EZ EDD (ASP)
☐ Other

Data Package
☐ NJ Reduced Deliv. *
☐ NY Enhanced (ASP B) *
☐ Other

Comments, Special Requirements or Regulations:
* low level voa labeled SB2-2' and high level voa labeled SB2-2'
① low level voa labeled SB2 37-39, High level voa labeled 37-39 (IP)
*① low level voa not labeled for each sample

State where samples were collected: NY

PHOENIX
Environmental Laboratories, Inc.

Wednesday, July 03, 2013

Attn: Mr Frank Gehrling
Galli Engineering, P.C.
734 Walt Whitman Rd
Suite 402A
Melville, NY 11747

Project ID: 25-17 38TH AVE
Sample ID#s: BD96938 - BD96939

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

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PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

July 03, 2013

FOR: Attn: Mr Frank Gehrling
Galli Engineering, P.C.
734 Walt Whitman Rd
Suite 402A
Melville, NY 11747

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	FG	06/20/13	16:09
Location Code:	GALLI-ENG	Received by:	SW	06/25/13	17:05
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBD96938
Phoenix ID: BD96938

Project ID: 25-17 38TH AVE
Client ID: SV 1

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference	
Volatiles (TO15)								
1,1,1,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	06/26/13	KCA	TO15	1
1,1,1-Trichloroethane	ND	*0.183*	ND	*1.00*	06/26/13	KCA	TO15	
1,1,2,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	06/26/13	KCA	TO15	
1,1,2-Trichloroethane	ND	*0.183*	ND	*1.00*	06/26/13	KCA	TO15	
1,1-Dichloroethane	ND	*0.247*	ND	*1.00*	06/26/13	KCA	TO15	
1,1-Dichloroethene	ND	*0.252*	ND	*1.00*	06/26/13	KCA	TO15	
1,2,4-Trichlorobenzene	ND	*0.135*	ND	*1.00*	06/26/13	KCA	TO15	
1,2,4-Trimethylbenzene	4.87	*0.204*	23.9	*1.00*	06/26/13	KCA	TO15	
1,2-Dibromoethane(EDB)	ND	*0.130*	ND	*1.00*	06/26/13	KCA	TO15	
1,2-Dichlorobenzene	ND	*0.166*	ND	*1.00*	06/26/13	KCA	TO15	
1,2-Dichloroethane	ND	*0.247*	ND	*1.00*	06/26/13	KCA	TO15	
1,2-dichloropropane	ND	*0.216*	ND	*1.00*	06/26/13	KCA	TO15	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	ND	*1.00*	06/26/13	KCA	TO15	
1,3,5-Trimethylbenzene	1.43	*0.204*	7.02	*1.00*	06/26/13	KCA	TO15	
1,3-Butadiene	ND	*0.452*	ND	*1.00*	06/26/13	KCA	TO15	
1,3-Dichlorobenzene	0.49	*0.166*	2.94	*1.00*	06/26/13	KCA	TO15	
1,4-Dichlorobenzene	ND	*0.166*	ND	*1.00*	06/26/13	KCA	TO15	
1,4-Dioxane	ND	*0.278*	ND	*1.00*	06/26/13	KCA	TO15	
2-Hexanone(MBK)	ND	*0.244*	ND	*1.00*	06/26/13	KCA	TO15	1
4-Ethyltoluene	0.85	*0.204*	4.18	*1.00*	06/26/13	KCA	TO15	1
4-Isopropyltoluene	0.25	*0.182*	1.37	*1.00*	06/26/13	KCA	TO15	1
4-Methyl-2-pentanone(MIBK)	0.42	*0.244*	1.72	*1.00*	06/26/13	KCA	TO15	
Acetone	50.4	*0.421*	120	*1.00*	06/26/13	KCA	TO15	
Acrylonitrile	ND	*0.461*	ND	*1.00*	06/26/13	KCA	TO15	
Benzene	1.72	*0.313*	5.49	*1.00*	06/26/13	KCA	TO15	
Benzyl chloride	ND	*0.193*	ND	*1.00*	06/26/13	KCA	TO15	
Bromodichloromethane	ND	*0.149*	ND	*1.00*	06/26/13	KCA	TO15	

Project ID: 25-17 38TH AVE
Client ID: SV 1

Phoenix I.D.: BD96938

Parameter	ppbv Result		ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference	
Bromoform	ND		*0.097*	ND	*1.00*	06/26/13	KCA	TO15	
Bromomethane	ND		*0.258*	ND	*1.00*	06/26/13	KCA	TO15	
Carbon Disulfide	1.14		*0.321*	3.55	*1.00*	06/26/13	KCA	TO15	
Carbon Tetrachloride	0.09		*0.040*	0.566	*0.25*	06/26/13	KCA	TO15	
Chlorobenzene	ND		*0.217*	ND	*1.00*	06/26/13	KCA	TO15	
Chloroethane	ND		*0.379*	ND	*1.00*	06/26/13	KCA	TO15	
Chloroform	0.35		*0.205*	1.71	*1.00*	06/26/13	KCA	TO15	
Chloromethane	0.7		*0.484*	1.44	*1.00*	06/26/13	KCA	TO15	
Cis-1,2-Dichloroethene	ND		*0.252*	ND	*1.00*	06/26/13	KCA	TO15	
cis-1,3-Dichloropropene	ND		*0.220*	ND	*1.00*	06/26/13	KCA	TO15	1
Cyclohexane	2.39		*0.291*	8.22	*1.00*	06/26/13	KCA	TO15	
Dibromochloromethane	ND		*0.117*	ND	*1.00*	06/26/13	KCA	TO15	
Dichlorodifluoromethane	0.56		*0.202*	2.77	*1.00*	06/26/13	KCA	TO15	
Ethanol	309	E	*0.531*	582	*1.00*	06/26/13	KCA	TO15	1
Ethyl acetate	4.48		*0.278*	16.1	*1.00*	06/26/13	KCA	TO15	1
Ethylbenzene	2.72		*0.230*	11.8	*1.00*	06/26/13	KCA	TO15	
Heptane	1.81		*0.244*	7.41	*1.00*	06/26/13	KCA	TO15	
Hexachlorobutadiene	ND		*0.094*	ND	*1.00*	06/26/13	KCA	TO15	
Hexane	3.68		*0.284*	13.0	*1.00*	06/26/13	KCA	TO15	
Isopropylalcohol	64.5		*0.407*	158	*1.00*	06/26/13	KCA	TO15	
Isopropylbenzene	0.57		*0.204*	2.80	*1.00*	06/26/13	KCA	TO15	
m,p-Xylene	9.75		*0.230*	42.3	*1.00*	06/26/13	KCA	TO15	
Methyl Ethyl Ketone	ND		*0.339*	ND	*1.00*	06/26/13	KCA	TO15	
Methyl tert-butyl ether(MTBE)	ND		*0.278*	ND	*1.00*	06/26/13	KCA	TO15	
Methylene Chloride	4.73		*0.288*	16.4	*1.00*	06/26/13	KCA	TO15	
n-Butylbenzene	0.62		*0.182*	3.40	*1.00*	06/26/13	KCA	TO15	1
o-Xylene	4.26		*0.230*	18.5	*1.00*	06/26/13	KCA	TO15	
Propylene	42.8		*0.581*	73.6	*1.00*	06/26/13	KCA	TO15	1
sec-Butylbenzene	ND		*0.182*	ND	*1.00*	06/26/13	KCA	TO15	1
Styrene	ND		*0.235*	ND	*1.00*	06/26/13	KCA	TO15	
Tetrachloroethene	0.18		*0.037*	1.22	*0.25*	06/26/13	KCA	TO15	
Tetrahydrofuran	3.53		*0.339*	10.4	*1.00*	06/26/13	KCA	TO15	1
Toluene	16.8		*0.266*	63.3	*1.00*	06/26/13	KCA	TO15	
Trans-1,2-Dichloroethene	ND		*0.252*	ND	*1.00*	06/26/13	KCA	TO15	
trans-1,3-Dichloropropene	ND		*0.220*	ND	*1.00*	06/26/13	KCA	TO15	
Trichloroethene	ND		*0.047*	ND	*0.25*	06/26/13	KCA	TO15	
Trichlorofluoromethane	0.96		*0.178*	5.39	*1.00*	06/26/13	KCA	TO15	
Trichlorotrifluoroethane	ND		*0.130*	ND	*1.00*	06/26/13	KCA	TO15	
Vinyl Chloride	ND		*0.098*	ND	*0.25*	06/26/13	KCA	TO15	
QA/QC Surrogates									
% Bromofluorobenzene	106		*%*	106	*%*	06/26/13	KCA	TO15	

Project ID: 25-17 38TH AVE

Client ID: SV 1

Phoenix I.D.: BD96938

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

July 03, 2013

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

July 03, 2013

FOR: Attn: Mr Frank Gehrling
Galli Engineering, P.C.
734 Walt Whitman Rd
Suite 402A
Melville, NY 11747

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	FG	06/20/13	16:00
Location Code:	GALLI-ENG	Received by:	SW	06/25/13	17:05
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBD96938
Phoenix ID: BD96939

Project ID: 25-17 38TH AVE
Client ID: SV 2

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference	
Volatiles (TO15)								
1,1,1,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	06/26/13	KCA	TO15	1
1,1,1-Trichloroethane	ND	*0.183*	ND	*1.00*	06/26/13	KCA	TO15	
1,1,2,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	06/26/13	KCA	TO15	
1,1,2-Trichloroethane	ND	*0.183*	ND	*1.00*	06/26/13	KCA	TO15	
1,1-Dichloroethane	ND	*0.247*	ND	*1.00*	06/26/13	KCA	TO15	
1,1-Dichloroethene	ND	*0.252*	ND	*1.00*	06/26/13	KCA	TO15	
1,2,4-Trichlorobenzene	ND	*0.135*	ND	*1.00*	06/26/13	KCA	TO15	
1,2,4-Trimethylbenzene	1.12	*0.204*	5.50	*1.00*	06/26/13	KCA	TO15	
1,2-Dibromoethane(EDB)	ND	*0.130*	ND	*1.00*	06/26/13	KCA	TO15	
1,2-Dichlorobenzene	ND	*0.166*	ND	*1.00*	06/26/13	KCA	TO15	
1,2-Dichloroethane	ND	*0.247*	ND	*1.00*	06/26/13	KCA	TO15	
1,2-dichloropropane	ND	*0.216*	ND	*1.00*	06/26/13	KCA	TO15	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	ND	*1.00*	06/26/13	KCA	TO15	
1,3,5-Trimethylbenzene	0.26	*0.204*	1.28	*1.00*	06/26/13	KCA	TO15	
1,3-Butadiene	ND	*0.452*	ND	*1.00*	06/26/13	KCA	TO15	
1,3-Dichlorobenzene	ND	*0.166*	ND	*1.00*	06/26/13	KCA	TO15	
1,4-Dichlorobenzene	ND	*0.166*	ND	*1.00*	06/26/13	KCA	TO15	
1,4-Dioxane	ND	*0.278*	ND	*1.00*	06/26/13	KCA	TO15	
2-Hexanone(MBK)	ND	*0.244*	ND	*1.00*	06/26/13	KCA	TO15	1
4-Ethyltoluene	0.23	*0.204*	1.13	*1.00*	06/26/13	KCA	TO15	1
4-Isopropyltoluene	ND	*0.182*	ND	*1.00*	06/26/13	KCA	TO15	1
4-Methyl-2-pentanone(MIBK)	0.48	*0.244*	1.96	*1.00*	06/26/13	KCA	TO15	
Acetone	20.8	*0.421*	49.4	*1.00*	06/26/13	KCA	TO15	
Acrylonitrile	ND	*0.461*	ND	*1.00*	06/26/13	KCA	TO15	
Benzene	0.33	*0.313*	1.05	*1.00*	06/26/13	KCA	TO15	
Benzyl chloride	ND	*0.193*	ND	*1.00*	06/26/13	KCA	TO15	
Bromodichloromethane	ND	*0.149*	ND	*1.00*	06/26/13	KCA	TO15	

Project ID: 25-17 38TH AVE
Client ID: SV 2

Phoenix I.D.: BD96939

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference	
Bromoform	ND	*0.097*	ND	*1.00*	06/26/13	KCA	TO15	
Bromomethane	ND	*0.258*	ND	*1.00*	06/26/13	KCA	TO15	
Carbon Disulfide	0.99	*0.321*	3.08	*1.00*	06/26/13	KCA	TO15	
Carbon Tetrachloride	0.08	*0.040*	0.503	*0.25*	06/26/13	KCA	TO15	
Chlorobenzene	ND	*0.217*	ND	*1.00*	06/26/13	KCA	TO15	
Chloroethane	ND	*0.379*	ND	*1.00*	06/26/13	KCA	TO15	
Chloroform	0.98	*0.205*	4.78	*1.00*	06/26/13	KCA	TO15	
Chloromethane	0.58	*0.484*	1.20	*1.00*	06/26/13	KCA	TO15	
Cis-1,2-Dichloroethene	ND	*0.252*	ND	*1.00*	06/26/13	KCA	TO15	
cis-1,3-Dichloropropene	ND	*0.220*	ND	*1.00*	06/26/13	KCA	TO15	1
Cyclohexane	1.69	*0.291*	5.81	*1.00*	06/26/13	KCA	TO15	
Dibromochloromethane	ND	*0.117*	ND	*1.00*	06/26/13	KCA	TO15	
Dichlorodifluoromethane	0.69	*0.202*	3.41	*1.00*	06/26/13	KCA	TO15	
Ethanol	77.2	*0.531*	145	*1.00*	06/26/13	KCA	TO15	1
Ethyl acetate	0.87	*0.278*	3.13	*1.00*	06/26/13	KCA	TO15	1
Ethylbenzene	0.74	*0.230*	3.21	*1.00*	06/26/13	KCA	TO15	
Heptane	0.37	*0.244*	1.52	*1.00*	06/26/13	KCA	TO15	
Hexachlorobutadiene	ND	*0.094*	ND	*1.00*	06/26/13	KCA	TO15	
Hexane	1.76	*0.284*	6.20	*1.00*	06/26/13	KCA	TO15	
Isopropylalcohol	22.4	*0.407*	55.0	*1.00*	06/26/13	KCA	TO15	
Isopropylbenzene	ND	*0.204*	ND	*1.00*	06/26/13	KCA	TO15	
m,p-Xylene	3	*0.230*	13.0	*1.00*	06/26/13	KCA	TO15	
Methyl Ethyl Ketone	1.89	*0.339*	5.57	*1.00*	06/26/13	KCA	TO15	
Methyl tert-butyl ether(MTBE)	ND	*0.278*	ND	*1.00*	06/26/13	KCA	TO15	
Methylene Chloride	1.14	*0.288*	3.96	*1.00*	06/26/13	KCA	TO15	
n-Butylbenzene	ND	*0.182*	ND	*1.00*	06/26/13	KCA	TO15	1
o-Xylene	1.34	*0.230*	5.81	*1.00*	06/26/13	KCA	TO15	
Propylene	10.4	*0.581*	17.9	*1.00*	06/26/13	KCA	TO15	1
sec-Butylbenzene	ND	*0.182*	ND	*1.00*	06/26/13	KCA	TO15	1
Styrene	0.41	*0.235*	1.74	*1.00*	06/26/13	KCA	TO15	
Tetrachloroethene	0.19	*0.037*	1.29	*0.25*	06/26/13	KCA	TO15	
Tetrahydrofuran	1.04	*0.339*	3.06	*1.00*	06/26/13	KCA	TO15	1
Toluene	4.92	*0.266*	18.5	*1.00*	06/26/13	KCA	TO15	
Trans-1,2-Dichloroethene	ND	*0.252*	ND	*1.00*	06/26/13	KCA	TO15	
trans-1,3-Dichloropropene	ND	*0.220*	ND	*1.00*	06/26/13	KCA	TO15	
Trichloroethene	ND	*0.047*	ND	*0.25*	06/26/13	KCA	TO15	
Trichlorofluoromethane	0.63	*0.178*	3.54	*1.00*	06/26/13	KCA	TO15	
Trichlorotrifluoroethane	ND	*0.130*	ND	*1.00*	06/26/13	KCA	TO15	
Vinyl Chloride	ND	*0.098*	ND	*0.25*	06/26/13	KCA	TO15	
QA/QC Surrogates								
% Bromofluorobenzene	104	*%*	104	*%*	06/26/13	KCA	TO15	

Project ID: 25-17 38TH AVE

Client ID: SV 2

Phoenix I.D.: BD96939

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director

July 03, 2013

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

QA/QC Report

July 03, 2013

QA/QC Data

SDG I.D.: GBD96938

QA/QC Batch 237896, QC Sample No: BD96259 (BD96938, BD96939)

Volatiles

Parameter	Blank ppbv	Blank ug/m3	LCS %	Sample Result ug/m3	Sample Dup ug/m3	Sample Result ppbv	Sample Dup ppbv	DUP RPD	% Rec Limits	% RPD Limits
1,1,1,2-Tetrachloroethane	ND	ND	106	ND	ND	ND	ND	NC	70 - 130	20
1,1,1-Trichloroethane	ND	ND	105	ND	ND	ND	ND	NC	70 - 130	20
1,1,2,2-Tetrachloroethane	ND	ND	104	ND	ND	ND	ND	NC	70 - 130	20
1,1,2-Trichloroethane	ND	ND	103	ND	ND	ND	ND	NC	70 - 130	20
1,1-Dichloroethane	ND	ND	107	ND	ND	ND	ND	NC	70 - 130	20
1,1-Dichloroethene	ND	ND	106	ND	ND	ND	ND	NC	70 - 130	20
1,2,4-Trichlorobenzene	ND	ND	98	ND	ND	ND	ND	NC	70 - 130	20
1,2,4-Trimethylbenzene	ND	ND	100	29.1	26.9	5.92	5.48	7.7	70 - 130	20
1,2-Dibromoethane(EDB)	ND	ND	103	ND	ND	ND	ND	NC	70 - 130	20
1,2-Dichlorobenzene	ND	ND	91	ND	ND	ND	ND	NC	70 - 130	20
1,2-Dichloroethane	ND	ND	106	ND	1.01	ND	0.25	NC	70 - 130	20
1,2-dichloropropane	ND	ND	102	ND	ND	ND	ND	NC	70 - 130	20
1,2-Dichlorotetrafluoroethane	ND	ND	104	ND	ND	ND	ND	NC	70 - 130	20
1,3,5-Trimethylbenzene	ND	ND	100	9.09	8.70	1.85	1.77	4.4	70 - 130	20
1,3-Butadiene	ND	ND	93	ND	ND	ND	ND	NC	70 - 130	20
1,3-Dichlorobenzene	ND	ND	93	ND	ND	ND	ND	NC	70 - 130	20
1,4-Dichlorobenzene	ND	ND	93	ND	ND	ND	ND	NC	70 - 130	20
1,4-Dioxane	ND	ND	101	11.1	11.3	3.09	3.13	1.3	70 - 130	20
2-Hexanone(MBK)	ND	ND	96	ND	ND	ND	ND	NC	70 - 130	20
4-Ethyltoluene	ND	ND	102	22.3	25.9	4.54	5.28	15.1	70 - 130	20
4-Isopropyltoluene	ND	ND	97	ND	ND	ND	ND	NC	70 - 130	20
4-Methyl-2-pentanone(MIBK)	ND	ND	105	17.7	19.0	4.32	4.64	7.1	70 - 130	20
Acetone	ND	ND	87	620	574	261	242	7.6	70 - 130	20
Acrylonitrile	ND	ND	99	ND	ND	ND	ND	NC	70 - 130	20
Benzene	ND	ND	106	190	212	59.6	66.3	10.6	70 - 130	20
Benzyl chloride	ND	ND	98	ND	ND	ND	ND	NC	70 - 130	20
Bromodichloromethane	ND	ND	99	5.09	4.89	0.76	0.73	4.0	70 - 130	20
Bromoform	ND	ND	103	ND	ND	ND	ND	NC	70 - 130	20
Bromomethane	ND	ND	97	ND	ND	ND	ND	NC	70 - 130	20
Carbon Disulfide	ND	ND	97	24.1	21.4	7.75	6.87	12.0	70 - 130	20
Carbon Tetrachloride	ND	ND	108	ND	ND	ND	ND	NC	70 - 130	20
Chlorobenzene	ND	ND	106	ND	ND	ND	ND	NC	70 - 130	20
Chloroethane	ND	ND	103	ND	ND	ND	ND	NC	70 - 130	20
Chloroform	ND	ND	106	198	198	40.6	40.6	0.0	70 - 130	20
Chloromethane	ND	ND	100	1.71	1.75	0.83	0.85	2.4	70 - 130	20
Cis-1,2-Dichloroethene	ND	ND	106	ND	ND	ND	ND	NC	70 - 130	20
cis-1,3-Dichloropropene	ND	ND	109	ND	ND	ND	ND	NC	70 - 130	20
Cyclohexane	ND	ND	109	14.0	14.9	4.07	4.33	6.2	70 - 130	20
Dibromochloromethane	ND	ND	105	ND	ND	ND	ND	NC	70 - 130	20
Dichlorodifluoromethane	ND	ND	108	2.47	2.57	0.5	0.52	3.9	70 - 130	20
Ethanol	ND	ND	96	237	215	126	114	10.0	70 - 130	20

QA/QC Data

SDG I.D.: GBD96938

Parameter	Blank ppbv	Blank ug/m3	LCS %	Sample Result ug/m3	Sample Dup ug/m3	Sample Result ppbv	Sample Dup ppbv	DUP RPD	% Rec Limits	% RPD Limits
Ethyl acetate	ND	ND	101	ND	ND	ND	ND	NC	70 - 130	20
Ethylbenzene	ND	ND	103	195	187	44.9	43	4.3	70 - 130	20
Heptane	ND	ND	99	186	169	45.5	41.2	9.9	70 - 130	20
Hexachlorobutadiene	ND	ND	88	ND	ND	ND	ND	NC	70 - 130	20
Hexane	ND	ND	104	268	258	76	73.4	3.5	70 - 130	20
Isopropylalcohol	ND	ND	88	15.0	13.4	6.11	5.46	11.2	70 - 130	20
Isopropylbenzene	ND	ND	103	4.18	4.18	0.85	0.85	0.0	70 - 130	20
m,p-Xylene	ND	ND	102	564	525	130	121	7.2	70 - 130	20
Methyl Ethyl Ketone	ND	ND	106	57.8	50.4	19.6	17.1	13.6	70 - 130	20
Methyl tert-butyl ether(MTBE)	ND	ND	104	ND	ND	ND	ND	NC	70 - 130	20
Methylene Chloride	ND	ND	98	10.6	5.31	3.06	1.53	66.7	70 - 130	20
n-Butylbenzene	ND	ND	92	1.76	1.64	0.32	0.3	6.5	70 - 130	20
o-Xylene	ND	ND	103	144	134	33.1	31	6.6	70 - 130	20
Propylene	ND	ND	100	129	122	74.8	70.8	5.5	70 - 130	20
sec-Butylbenzene	ND	ND	98	ND	ND	ND	ND	NC	70 - 130	20
Styrene	ND	ND	103	18.3	18.6	4.3	4.36	1.4	70 - 130	20
Tetrachloroethene	ND	ND	100	6.10	5.96	0.9	0.88	2.2	70 - 130	20
Tetrahydrofuran	ND	ND	100	27.1	25.6	9.2	8.68	5.8	70 - 130	20
Toluene	ND	ND	104	1370	1130	364	300	19.3	70 - 130	20
Trans-1,2-Dichloroethene	ND	ND	103	ND	ND	ND	ND	NC	70 - 130	20
trans-1,3-Dichloropropene	ND	ND	93	ND	ND	ND	ND	NC	70 - 130	20
Trichloroethene	ND	ND	104	6.12	6.07	1.14	1.13	0.9	70 - 130	20
Trichlorofluoromethane	ND	ND	105	2.13	2.13	0.38	0.38	0.0	70 - 130	20
Trichlorotrifluoroethane	ND	ND	108	ND	ND	ND	ND	NC	70 - 130	20
Vinyl Chloride	ND	ND	98	ND	ND	ND	ND	NC	70 - 130	20
% Bromofluorobenzene	83	83	101	110	104	110	104	5.6	70 - 130	20

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria
Intf - Interference

Phyllis Shiller, Laboratory Director
July 03, 2013

Sample Criteria Exceedences Report

GBD96938 - GALLI-ENG

Requested Criteria: None

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units

*** No Data to Display ***

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

PHOENIX Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Telephone: 860.645.1102 • Fax: 860.645.0823

CHAIN OF CUSTODY RECORD
AIR ANALYSES

800-827-5426

email: greg@phoenixlabs.com

P.O. # Yonkers

Data Delivery:
- ☐ Fax #:
- ☒ Email: fschrling@galliengs.com
- ☐ Phone #: 631-271-9292

Report to: Frank Schrling

Customer: Galli Engineering

Address:

Invoice to:

Sampled by: Frank Schrling

Project Name: 25-17 38th Ave

Criteria Requested: Deliverable: RCP ☐ MCP ☐

State where samples collected: NY

Phoenix ID #	Client Sample ID	Canister ID #	Canister Size (L)	Outgoing Canister Pressure (" Hg)	Incoming Canister Pressure ("Hg)	Flow Regulator ID #	Flow Controller Setting (mL/min)	Sampling Start Time	Sampling End Time	Sample Start Date	Canister Pressure at Start (" Hg)	Canister Pressure at End ("Hg)	Ambient/Indoor Air	Soil Gas	Grab (G) Composite (C)	TO-14	TO-15
		THIS SECTION FOR LAB USE ONLY											MATRIX			ANALYSES	
96938	SV1 ~~462~~	462	6L	-30"	-9	5035		15:57	16:09	6/20	-30	-9		X			X
96939	SV2 ~~484~~	484	6L	-30"	-6	4493		15:55	16:00	6/20	-30	-11		X			X

Relinquished by:	Accepted by:	Date:	Time:
[signature]	[signature]	6-25-23	9:15 AM
[signature]	[signature]	6-25-23	1705

Data Format: Excel ☒ Equis ☐ GISKey ☐ PDF ☒ Other: ☐

SPECIAL INSTRUCTIONS, QC REQUIREMENTS, REGULATORY INFORMATION:

6L with 24 Regulators

I attest that all media released by Phoenix Environmental Laboratories, Inc. have been received in good working condition and agree to the terms and conditions as listed on the back of this document:

Quote Number:

Signature: Date:

PHOENIX
Environmental Laboratories, Inc.

Thursday, July 25, 2013

Attn: Mr. Frank Gehrling
Galli Engineering, P.C.
734 Walt Whitman Rd
Suite 402A
Melville, NY 11747

Project ID: 25-17 38TH AVE.
Sample ID#s: BF09420 - BF09421

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

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PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

July 25, 2013

FOR: Attn: Mr. Frank Gehrling
Galli Engineering, P.C.
734 Walt Whitman Rd
Suite 402A
Melville, NY 11747

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:		07/19/13	21:01
Location Code:	GALLI-ENG	Received by:	LB	07/22/13	16:11
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBF09420
Phoenix ID: BF09420

Project ID: 25-17 38TH AVE.
Client ID: SV-4

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference	
Volatiles (TO15)								
1,1,1,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	07/22/13	KCA	TO15	1
1,1,1-Trichloroethane	ND	*0.183*	ND	*1.00*	07/22/13	KCA	TO15	
1,1,2,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	07/22/13	KCA	TO15	
1,1,2-Trichloroethane	ND	*0.183*	ND	*1.00*	07/22/13	KCA	TO15	
1,1-Dichloroethane	ND	*0.247*	ND	*1.00*	07/22/13	KCA	TO15	
1,1-Dichloroethene	ND	*0.252*	ND	*1.00*	07/22/13	KCA	TO15	
1,2,4-Trichlorobenzene	ND	*0.135*	ND	*1.00*	07/22/13	KCA	TO15	
1,2,4-Trimethylbenzene	11.1	*0.204*	54.5	*1.00*	07/22/13	KCA	TO15	
1,2-Dibromoethane(EDB)	ND	*0.130*	ND	*1.00*	07/22/13	KCA	TO15	
1,2-Dichlorobenzene	ND	*0.166*	ND	*1.00*	07/22/13	KCA	TO15	
1,2-Dichloroethane	ND	*0.247*	ND	*1.00*	07/22/13	KCA	TO15	
1,2-dichloropropane	ND	*0.216*	ND	*1.00*	07/22/13	KCA	TO15	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	ND	*1.00*	07/22/13	KCA	TO15	
1,3,5-Trimethylbenzene	3.18	*0.204*	15.6	*1.00*	07/22/13	KCA	TO15	
1,3-Butadiene	ND	*0.452*	ND	*1.00*	07/22/13	KCA	TO15	
1,3-Dichlorobenzene	ND	*0.166*	ND	*1.00*	07/22/13	KCA	TO15	
1,4-Dichlorobenzene	ND	*0.166*	ND	*1.00*	07/22/13	KCA	TO15	
1,4-Dioxane	ND	*0.278*	ND	*1.00*	07/22/13	KCA	TO15	
2-Hexanone(MBK)	ND	*0.244*	ND	*1.00*	07/22/13	KCA	TO15	1
4-Ethyltoluene	2.34	*0.204*	11.5	*1.00*	07/22/13	KCA	TO15	1
4-Isopropyltoluene	0.5	*0.182*	2.74	*1.00*	07/22/13	KCA	TO15	1
4-Methyl-2-pentanone(MIBK)	0.5	*0.244*	2.05	*1.00*	07/22/13	KCA	TO15	
Acetone	87	*0.421*	206	*1.00*	07/22/13	KCA	TO15	
Acrylonitrile	ND	*0.461*	ND	*1.00*	07/22/13	KCA	TO15	
Benzene	13.6	*0.313*	43.4	*1.00*	07/22/13	KCA	TO15	
Benzyl chloride	ND	*0.193*	ND	*1.00*	07/22/13	KCA	TO15	
Bromodichloromethane	ND	*0.149*	ND	*1.00*	07/22/13	KCA	TO15	

Project ID: 25-17 38TH AVE.
Client ID: SV-4

Phoenix I.D.: BF09420

Parameter	ppbv Result		ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference	
Bromoform	ND		0.097	ND	1.00	07/22/13	KCA	TO15	
Bromomethane	ND		0.258	ND	1.00	07/22/13	KCA	TO15	
Carbon Disulfide	ND		0.321	ND	1.00	07/22/13	KCA	TO15	
Carbon Tetrachloride	0.11		0.040	0.692	0.25	07/22/13	KCA	TO15	
Chlorobenzene	ND		0.217	ND	1.00	07/22/13	KCA	TO15	
Chloroethane	ND		0.379	ND	1.00	07/22/13	KCA	TO15	
Chloroform	0.49		0.205	2.39	1.00	07/22/13	KCA	TO15	
Chloromethane	ND		0.484	ND	1.00	07/22/13	KCA	TO15	
Cis-1,2-Dichloroethene	ND		0.252	ND	1.00	07/22/13	KCA	TO15	
cis-1,3-Dichloropropene	ND		0.220	ND	#VALUE!	07/22/13	KCA	TO15	
Cyclohexane	11.8		0.291	40.6	1.00	07/22/13	KCA	TO15	
Dibromochloromethane	ND		0.117	ND	1.00	07/22/13	KCA	TO15	
Dichlorodifluoromethane	0.53		0.202	2.62	1.00	07/22/13	KCA	TO15	
Ethanol	389	E	0.531	732	1.00	07/22/13	KCA	TO15	1
Ethyl acetate	ND		0.278	ND	1.00	07/22/13	KCA	TO15	1
Ethylbenzene	9.83		0.230	42.6	1.00	07/22/13	KCA	TO15	
Heptane	13		0.244	53.2	1.00	07/22/13	KCA	TO15	
Hexachlorobutadiene	ND		0.094	ND	1.00	07/22/13	KCA	TO15	
Hexane	36.2		0.284	128	1.00	07/22/13	KCA	TO15	
Isopropylalcohol	11.3		0.407	27.8	1.00	07/22/13	KCA	TO15	
Isopropylbenzene	0.97		0.204	4.76	1.00	07/22/13	KCA	TO15	
m,p-Xylene	31.9		0.230	138	1.00	07/22/13	KCA	TO15	
Methyl Ethyl Ketone	5.03		0.339	14.8	1.00	07/22/13	KCA	TO15	
Methyl tert-butyl ether(MTBE)	ND		0.278	ND	1.00	07/22/13	KCA	TO15	
Methylene Chloride	126		0.288	437	1.00	07/22/13	KCA	TO15	
n-Butylbenzene	0.81		0.182	4.44	1.00	07/22/13	KCA	TO15	1
o-Xylene	12.2		0.230	52.9	1.00	07/22/13	KCA	TO15	
Propylene	ND		0.581	ND	1.00	07/22/13	KCA	TO15	1
sec-Butylbenzene	0.19		0.182	1.04	1.00	07/22/13	KCA	TO15	1
Styrene	0.51		0.235	2.17	1.00	07/22/13	KCA	TO15	
Tetrachloroethene	2.42		0.037	16.4	0.25	07/22/13	KCA	TO15	
Tetrahydrofuran	7.54		0.339	22.2	1.00	07/22/13	KCA	TO15	1
Toluene	45.9		0.266	173	1.00	07/22/13	KCA	TO15	
Trans-1,2-Dichloroethene	ND		0.252	ND	1.00	07/22/13	KCA	TO15	
trans-1,3-Dichloropropene	ND		0.220	ND	1.00	07/22/13	KCA	TO15	
Trichloroethene	0.09		0.047	0.483	0.25	07/22/13	KCA	TO15	
Trichlorofluoromethane	0.34		0.178	1.91	1.00	07/22/13	KCA	TO15	
Trichlorotrifluoroethane	ND		0.130	ND	1.00	07/22/13	KCA	TO15	
Vinyl Chloride	ND		0.098	ND	0.25	07/22/13	KCA	TO15	
QA/QC Surrogates									
% Bromofluorobenzene	106		%	106	%	07/22/13	KCA	TO15	

Project ID: 25-17 38TH AVE.
Client ID: SV-4

Phoenix I.D.: BF09420

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
July 25, 2013
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

July 25, 2013

FOR: Attn: Mr. Frank Gehrling
Galli Engineering, P.C.
734 Walt Whitman Rd
Suite 402A
Melville, NY 11747

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:		07/19/13	21:04
Location Code:	GALLI-ENG	Received by:	LB	07/22/13	16:11
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBF09420
Phoenix ID: BF09421

Project ID: 25-17 38TH AVE.
Client ID: SV-3

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference	
Volatiles (TO15)								
1,1,1,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	07/22/13	KCA	TO15	1
1,1,1-Trichloroethane	ND	*0.183*	ND	*1.00*	07/22/13	KCA	TO15	
1,1,2,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	07/22/13	KCA	TO15	
1,1,2-Trichloroethane	ND	*0.183*	ND	*1.00*	07/22/13	KCA	TO15	
1,1-Dichloroethane	ND	*0.247*	ND	*1.00*	07/22/13	KCA	TO15	
1,1-Dichloroethene	ND	*0.252*	ND	*1.00*	07/22/13	KCA	TO15	
1,2,4-Trichlorobenzene	ND	*0.135*	ND	*1.00*	07/22/13	KCA	TO15	
1,2,4-Trimethylbenzene	6.84	*0.204*	33.6	*1.00*	07/22/13	KCA	TO15	
1,2-Dibromoethane(EDB)	ND	*0.130*	ND	*1.00*	07/22/13	KCA	TO15	
1,2-Dichlorobenzene	ND	*0.166*	ND	*1.00*	07/22/13	KCA	TO15	
1,2-Dichloroethane	ND	*0.247*	ND	*1.00*	07/22/13	KCA	TO15	
1,2-dichloropropane	ND	*0.216*	ND	*1.00*	07/22/13	KCA	TO15	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	ND	*1.00*	07/22/13	KCA	TO15	
1,3,5-Trimethylbenzene	1.87	*0.204*	9.19	*1.00*	07/22/13	KCA	TO15	
1,3-Butadiene	ND	*0.452*	ND	*1.00*	07/22/13	KCA	TO15	
1,3-Dichlorobenzene	ND	*0.166*	ND	*1.00*	07/22/13	KCA	TO15	
1,4-Dichlorobenzene	ND	*0.166*	ND	*1.00*	07/22/13	KCA	TO15	
1,4-Dioxane	ND	*0.278*	ND	*1.00*	07/22/13	KCA	TO15	
2-Hexanone(MBK)	ND	*0.244*	ND	*1.00*	07/22/13	KCA	TO15	1
4-Ethyltoluene	1.62	*0.204*	7.96	*1.00*	07/22/13	KCA	TO15	1
4-Isopropyltoluene	0.41	*0.182*	2.25	*1.00*	07/22/13	KCA	TO15	1
4-Methyl-2-pentanone(MIBK)	0.47	*0.244*	1.92	*1.00*	07/22/13	KCA	TO15	
Acetone	21.7	*0.421*	51.5	*1.00*	07/22/13	KCA	TO15	
Acrylonitrile	ND	*0.461*	ND	*1.00*	07/22/13	KCA	TO15	
Benzene	7.03	*0.313*	22.4	*1.00*	07/22/13	KCA	TO15	
Benzyl chloride	ND	*0.193*	ND	*1.00*	07/22/13	KCA	TO15	
Bromodichloromethane	ND	*0.149*	ND	*1.00*	07/22/13	KCA	TO15	

Project ID: 25-17 38TH AVE.
Client ID: SV-3

Phoenix I.D.: BF09421

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference	
Bromoform	ND	*0.097*	ND	*1.00*	07/22/13	KCA	TO15	
Bromomethane	ND	*0.258*	ND	*1.00*	07/22/13	KCA	TO15	
Carbon Disulfide	0.77	*0.321*	2.40	*1.00*	07/22/13	KCA	TO15	
Carbon Tetrachloride	0.1	*0.040*	0.629	*0.25*	07/22/13	KCA	TO15	
Chlorobenzene	ND	*0.217*	ND	*1.00*	07/22/13	KCA	TO15	
Chloroethane	ND	*0.379*	ND	*1.00*	07/22/13	KCA	TO15	
Chloroform	0.7	*0.205*	3.42	*1.00*	07/22/13	KCA	TO15	
Chloromethane	ND	*0.484*	ND	*1.00*	07/22/13	KCA	TO15	
Cis-1,2-Dichloroethene	ND	*0.252*	ND	*1.00*	07/22/13	KCA	TO15	
cis-1,3-Dichloropropene	ND	*0.220*	ND	*#VALUE!*	07/22/13	KCA	TO15	
Cyclohexane	5.96	*0.291*	20.5	*1.00*	07/22/13	KCA	TO15	
Dibromochloromethane	ND	*0.117*	ND	*1.00*	07/22/13	KCA	TO15	
Dichlorodifluoromethane	0.53	*0.202*	2.62	*1.00*	07/22/13	KCA	TO15	
Ethanol	193	*0.531*	363	*1.00*	07/22/13	KCA	TO15	1
Ethyl acetate	0.63	*0.278*	2.27	*1.00*	07/22/13	KCA	TO15	1
Ethylbenzene	5.42	*0.230*	23.5	*1.00*	07/22/13	KCA	TO15	
Heptane	6.89	*0.244*	28.2	*1.00*	07/22/13	KCA	TO15	
Hexachlorobutadiene	ND	*0.094*	ND	*1.00*	07/22/13	KCA	TO15	
Hexane	20.9	*0.284*	73.6	*1.00*	07/22/13	KCA	TO15	
Isopropylalcohol	10.8	*0.407*	26.5	*1.00*	07/22/13	KCA	TO15	
Isopropylbenzene	0.51	*0.204*	2.50	*1.00*	07/22/13	KCA	TO15	
m,p-Xylene	18.7	*0.230*	81.1	*1.00*	07/22/13	KCA	TO15	
Methyl Ethyl Ketone	4.19	*0.339*	12.3	*1.00*	07/22/13	KCA	TO15	
Methyl tert-butyl ether(MTBE)	ND	*0.278*	ND	*1.00*	07/22/13	KCA	TO15	
Methylene Chloride	666	*0.288*	2310	*1.00*	07/22/13	KCA	TO15	
n-Butylbenzene	0.55	*0.182*	3.02	*1.00*	07/22/13	KCA	TO15	1
o-Xylene	6.76	*0.230*	29.3	*1.00*	07/22/13	KCA	TO15	
Propylene	6.31	*0.581*	10.8	*1.00*	07/22/13	KCA	TO15	1
sec-Butylbenzene	ND	*0.182*	ND	*1.00*	07/22/13	KCA	TO15	1
Styrene	0.55	*0.235*	2.34	*1.00*	07/22/13	KCA	TO15	
Tetrachloroethene	1.83	*0.037*	12.4	*0.25*	07/22/13	KCA	TO15	
Tetrahydrofuran	6.12	*0.339*	18.0	*1.00*	07/22/13	KCA	TO15	1
Toluene	24.7	*0.266*	93.0	*1.00*	07/22/13	KCA	TO15	
Trans-1,2-Dichloroethene	ND	*0.252*	ND	*1.00*	07/22/13	KCA	TO15	
trans-1,3-Dichloropropene	ND	*0.220*	ND	*1.00*	07/22/13	KCA	TO15	
Trichloroethene	0.25	*0.047*	1.34	*0.25*	07/22/13	KCA	TO15	
Trichlorofluoromethane	0.46	*0.178*	2.58	*1.00*	07/22/13	KCA	TO15	
Trichlorotrifluoroethane	ND	*0.130*	ND	*1.00*	07/22/13	KCA	TO15	
Vinyl Chloride	ND	*0.098*	ND	*0.25*	07/22/13	KCA	TO15	
QA/QC Surrogates								
% Bromofluorobenzene	107	*%*	107	*%*	07/22/13	KCA	TO15	

Project ID: 25-17 38TH AVE.
Client ID: SV-3

Phoenix I.D.: BF09421

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
July 25, 2013
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

QA/QC Report

July 25, 2013

QA/QC Data

SDG I.D.: GBF09420

Parameter	Blank ppbv	Blank ug/m3	LCS %	Sample Result ug/m3	Sample Dup ug/m3	Sample Result ppbv	Sample Dup ppbv	DUP RPD	% Rec Limits	% RPD Limits
QA/QC Batch 242178, QC Sample No: BF08326 (BF09420, BF09421)										
Volatiles										
1,1,1,2-Tetrachloroethane	ND	ND	108	ND	ND	ND	ND	NC	70 - 130	20
1,1,1-Trichloroethane	ND	ND	100	ND	ND	ND	ND	NC	70 - 130	20
1,1,2,2-Tetrachloroethane	ND	ND	93	ND	ND	ND	ND	NC	70 - 130	20
1,1,2-Trichloroethane	ND	ND	105	ND	ND	ND	ND	NC	70 - 130	20
1,1-Dichloroethane	ND	ND	94	ND	ND	ND	ND	NC	70 - 130	20
1,1-Dichloroethene	ND	ND	94	ND	ND	ND	ND	NC	70 - 130	20
1,2,4-Trichlorobenzene	ND	ND	105	ND	ND	ND	ND	NC	70 - 130	20
1,2,4-Trimethylbenzene	ND	ND	95	ND	ND	ND	ND	NC	70 - 130	20
1,2-Dibromoethane(EDB)	ND	ND	107	ND	ND	ND	ND	NC	70 - 130	20
1,2-Dichlorobenzene	ND	ND	93	ND	ND	ND	ND	NC	70 - 130	20
1,2-Dichloroethane	ND	ND	93	ND	ND	ND	ND	NC	70 - 130	20
1,2-dichloropropane	ND	ND	97	ND	ND	ND	ND	NC	70 - 130	20
1,2-Dichlorotetrafluoroethane	ND	ND	91	ND	ND	ND	ND	NC	70 - 130	20
1,3,5-Trimethylbenzene	ND	ND	95	ND	ND	ND	ND	NC	70 - 130	20
1,3-Butadiene	ND	ND	76	ND	ND	ND	ND	NC	70 - 130	20
1,3-Dichlorobenzene	ND	ND	96	ND	ND	ND	ND	NC	70 - 130	20
1,4-Dichlorobenzene	ND	ND	99	ND	ND	ND	ND	NC	70 - 130	20
1,4-Dioxane	ND	ND	88	ND	ND	ND	ND	NC	70 - 130	20
2-Hexanone(MBK)	ND	ND	85	ND	ND	ND	ND	NC	70 - 130	20
4-Ethyltoluene	ND	ND	97	ND	ND	ND	ND	NC	70 - 130	20
4-Isopropyltoluene	ND	ND	94	ND	ND	ND	ND	NC	70 - 130	20
4-Methyl-2-pentanone(MIBK)	ND	ND	85	1.06	ND	0.26	ND	NC	70 - 130	20
Acetone	ND	ND	77	15.4	13.8	6.5	5.82	11.0	70 - 130	20
Acrylonitrile	ND	ND	89	ND	ND	ND	ND	NC	70 - 130	20
Benzene	ND	ND	92	ND	ND	ND	ND	NC	70 - 130	20
Benzyl chloride	ND	ND	93	ND	ND	ND	ND	NC	70 - 130	20
Bromodichloromethane	ND	ND	104	ND	ND	ND	ND	NC	70 - 130	20
Bromoform	ND	ND	116	ND	ND	ND	ND	NC	70 - 130	20
Bromomethane	ND	ND	90	ND	ND	ND	ND	NC	70 - 130	20
Carbon Disulfide	ND	ND	83	ND	ND	ND	ND	NC	70 - 130	20
Carbon Tetrachloride	ND	ND	106	0.566	0.629	0.09	0.1	10.5	70 - 130	20
Chlorobenzene	ND	ND	101	ND	ND	ND	ND	NC	70 - 130	20
Chloroethane	ND	ND	87	ND	ND	ND	ND	NC	70 - 130	20
Chloroform	ND	ND	96	1.32	1.37	0.27	0.28	3.6	70 - 130	20
Chloromethane	ND	ND	80	1.16	1.03	0.56	0.5	11.3	70 - 130	20
Cis-1,2-Dichloroethene	ND	ND	88	ND	ND	ND	ND	NC	70 - 130	20
cis-1,3-Dichloropropene	ND	ND	108	ND	ND	ND	ND	NC	70 - 130	20
Cyclohexane	ND	ND	84	ND	ND	ND	ND	NC	70 - 130	20
Dibromochloromethane	ND	ND	117	ND	ND	ND	ND	NC	70 - 130	20
Dichlorodifluoromethane	ND	ND	97	2.72	2.62	0.55	0.53	3.7	70 - 130	20
Ethanol	ND	ND	85	5.82	4.78	3.09	2.54	19.5	70 - 130	20

QA/QC Data

SDG I.D.: GBF09420

Parameter	Blank ppbv	Blank ug/m3	LCS %	Sample Result ug/m3	Sample Dup ug/m3	Sample Result ppbv	Sample Dup ppbv	DUP RPD	% Rec Limits	% RPD Limits	
Ethyl acetate	ND	ND	80	ND	ND	ND	ND	NC	70 - 130	20	
Ethylbenzene	ND	ND	98	ND	ND	ND	ND	NC	70 - 130	20	
Heptane	ND	ND	82	ND	ND	ND	ND	NC	70 - 130	20	
Hexachlorobutadiene	ND	ND	93	ND	ND	ND	ND	NC	70 - 130	20	
Hexane	ND	ND	85	1.37	1.02	0.39	0.29	29.4	70 - 130	20	
Isopropylalcohol	ND	ND	69	ND	ND	ND	ND	NC	70 - 130	20	I
Isopropylbenzene	ND	ND	99	ND	ND	ND	ND	NC	70 - 130	20	
m,p-Xylene	ND	ND	98	ND	ND	ND	ND	NC	70 - 130	20	
Methyl Ethyl Ketone	ND	ND	87	2.00	2.36	0.68	0.8	16.2	70 - 130	20	
Methyl tert-butyl ether(MTBE)	ND	ND	94	ND	ND	ND	ND	NC	70 - 130	20	
Methylene Chloride	ND	ND	76	4.86	2.78	1.4	0.8	54.5	70 - 130	20	
n-Butylbenzene	ND	ND	87	ND	ND	ND	ND	NC	70 - 130	20	
o-Xylene	ND	ND	95	ND	ND	ND	ND	NC	70 - 130	20	
Propylene	ND	ND	77	ND	ND	ND	ND	NC	70 - 130	20	
sec-Butylbenzene	ND	ND	96	ND	ND	ND	ND	NC	70 - 130	20	
Styrene	ND	ND	98	ND	ND	ND	ND	NC	70 - 130	20	
Tetrachloroethene	ND	ND	114	ND	ND	ND	ND	NC	70 - 130	20	
Tetrahydrofuran	ND	ND	83	ND	ND	ND	ND	NC	70 - 130	20	
Toluene	ND	ND	103	ND	ND	ND	ND	NC	70 - 130	20	
Trans-1,2-Dichloroethene	ND	ND	90	ND	ND	ND	ND	NC	70 - 130	20	
trans-1,3-Dichloropropene	ND	ND	95	ND	ND	ND	ND	NC	70 - 130	20	
Trichloroethene	ND	ND	112	ND	ND	ND	ND	NC	70 - 130	20	
Trichlorofluoromethane	ND	ND	98	1.52	1.29	0.27	0.23	16.0	70 - 130	20	
Trichlorotrifluoroethane	ND	ND	100	ND	ND	ND	ND	NC	70 - 130	20	
Vinyl Chloride	ND	ND	85	ND	ND	ND	ND	NC	70 - 130	20	
% Bromofluorobenzene	87	87	103	106	106	106	106	0.0	70 - 130	20	

I = This parameter is outside laboratory lcs/lcsd specified recovery limits.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria
Intf - Interference

Phyllis Shiller, Laboratory Director
July 25, 2013

Thursday, July 25, 2013

Requested Criteria: None

State: NY

Sample Criteria Exceedences Report

GBF09420 - GALLI-ENG

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units

*** No Data to Display ***

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

PHOENIX *Environmental Laboratories, Inc.*

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Telephone: 860.645.1102 • Fax: 860.645.0823

CHAIN OF CUSTODY RECORD
AIR ANALYSES

800-827-5426
email: greg@phoenixlabs.com

P.O. #

Data Delivery:
☐ Fax #:
☒ Email: fgehrling@gulliens.com
☐ Phone #:

Report to: Frank Gehrling
Customer: Gall's Eng
Address:

Invoice to:

Sampled by: J. [illegible] Frank Gehrling

Project Name: 25-17 38th Ave
Criteria Requested: Deliverable: RCP ☐ MCP ☐
State where samples collected: NY

Phoenix ID #	Client Sample ID	Canister ID #	Canister Size (L)	Outgoing Canister Pressure (" Hg)	Incoming Canister Pressure ("Hg)	Flow Regulator ID #	Flow Controller Setting (mL/min)	Sampling Start Time	Sampling End Time	Sample Start Date	Canister Pressure at Start (" Hg)	Canister Pressure at End ("Hg)	Ambient/Indoor Air	Soil Gas	Grab (G) Composite (C)	TO-14	TO-15
		THIS SECTION FOR LAB USE ONLY											MATRIX			ANALYSES	
		4168	6L	-30		5852	10.4										
09420	SV-4	475	↓	↓	-2	4978	↓	12:52	21:01	7/19	31	6		X			X
09421	SV-3	13638	↓	↓	-0	5036	↓	12:57	21:04	7/19	27	2		X			X
	6L 8hr																

Relinquished by:	Accepted by:	Date:	Time:
J. [illegible]	[illegible]	7-22-13	9:15
[illegible]	[illegible]	7-22-13	16:11

Data Format:
Excel ☒ Equis ☐ GISKey ☐
PDF ☒ Other: ☐

SPECIAL INSTRUCTIONS, QC REQUIREMENTS, REGULATORY INFORMATION:
48hr TAT

Quote Number:

I attest that all media released by Phoenix Environmental Laboratories, Inc. have been received in good working condition and agree to the terms and conditions as listed on the back of this document:

Signature: J. [illegible] Date: 7/22/2013

PHOENIX
Environmental Laboratories, Inc.

Thursday, March 13, 2014

Attn: Melissa Pryer
Galli Engineering, P.C.
734 Walt Whitman Rd
Suite 402A
Melville, NY 11747

Project ID: 25-11 & 25-17 38TH AVE
Sample ID#s: BG16436 - BG16437

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
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Environmental Laboratories, Inc.
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Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 13, 2014

FOR: Attn: Melissa Pryer
Galli Engineering, P.C.
734 Walt Whitman Rd
Suite 402A
Melville, NY 11747

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	MP	03/05/14	12:42
Location Code:	GALLI-ENG	Received by:	LDA	03/06/14	17:00
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG16436
Phoenix ID: BG16436

Project ID: 25-11 & 25-17 38TH AVE
Client ID: SV3

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference	
Volatiles (TO15)								
1,1,1,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	03/07/14	KCA	TO15	1
1,1,1-Trichloroethane	ND	*0.183*	ND	*1.00*	03/07/14	KCA	TO15	
1,1,2,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	03/07/14	KCA	TO15	
1,1,2-Trichloroethane	ND	*0.183*	ND	*1.00*	03/07/14	KCA	TO15	
1,1-Dichloroethane	ND	*0.247*	ND	*1.00*	03/07/14	KCA	TO15	
1,1-Dichloroethene	ND	*0.252*	ND	*1.00*	03/07/14	KCA	TO15	
1,2,4-Trichlorobenzene	ND	*0.135*	ND	*1.00*	03/07/14	KCA	TO15	
1,2,4-Trimethylbenzene	ND	*0.204*	ND	*1.00*	03/07/14	KCA	TO15	
1,2-Dibromoethane(EDB)	ND	*0.130*	ND	*1.00*	03/07/14	KCA	TO15	
1,2-Dichlorobenzene	ND	*0.166*	ND	*1.00*	03/07/14	KCA	TO15	
1,2-Dichloroethane	ND	*0.247*	ND	*1.00*	03/07/14	KCA	TO15	
1,2-dichloropropane	ND	*0.216*	ND	*1.00*	03/07/14	KCA	TO15	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	ND	*1.00*	03/07/14	KCA	TO15	
1,3,5-Trimethylbenzene	ND	*0.204*	ND	*1.00*	03/07/14	KCA	TO15	
1,3-Butadiene	ND	*0.452*	ND	*1.00*	03/07/14	KCA	TO15	
1,3-Dichlorobenzene	ND	*0.166*	ND	*1.00*	03/07/14	KCA	TO15	
1,4-Dichlorobenzene	ND	*0.166*	ND	*1.00*	03/07/14	KCA	TO15	
1,4-Dioxane	ND	*0.278*	ND	*1.00*	03/07/14	KCA	TO15	
2-Hexanone(MBK)	ND	*0.244*	ND	*1.00*	03/07/14	KCA	TO15	1
4-Ethyltoluene	ND	*0.204*	ND	*1.00*	03/07/14	KCA	TO15	1
4-Isopropyltoluene	ND	*0.182*	ND	*1.00*	03/07/14	KCA	TO15	1
4-Methyl-2-pentanone(MIBK)	2.91	*0.244*	11.9	*1.00*	03/07/14	KCA	TO15	
Acetone	176	*0.421*	418	*1.00*	03/07/14	KCA	TO15	
Acrylonitrile	ND	*0.461*	ND	*1.00*	03/07/14	KCA	TO15	
Benzene	1.44	*0.313*	4.60	*1.00*	03/07/14	KCA	TO15	
Benzyl chloride	ND	*0.193*	ND	*1.00*	03/07/14	KCA	TO15	

Project ID: 25-11 & 25-17 38TH AVE
Client ID: SV3

Phoenix I.D.: BG16436

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference	
Bromodichloromethane	ND	*0.149*	ND	*1.00*	03/07/14	KCA	TO15	
Bromoform	ND	*0.097*	ND	*1.00*	03/07/14	KCA	TO15	
Bromomethane	ND	*0.258*	ND	*1.00*	03/07/14	KCA	TO15	
Carbon Disulfide	1.59	*0.321*	4.95	*1.00*	03/07/14	KCA	TO15	
Carbon Tetrachloride	0.05	*0.040*	0.314	*0.25*	03/07/14	KCA	TO15	
Chlorobenzene	ND	*0.217*	ND	*1.00*	03/07/14	KCA	TO15	
Chloroethane	ND	*0.379*	ND	*1.00*	03/07/14	KCA	TO15	
Chloroform	0.99	*0.205*	4.83	*1.00*	03/07/14	KCA	TO15	
Chloromethane	ND	*0.484*	ND	*1.00*	03/07/14	KCA	TO15	
Cis-1,2-Dichloroethene	ND	*0.252*	ND	*1.00*	03/07/14	KCA	TO15	
cis-1,3-Dichloropropene	ND	*0.220*	ND	*1.00*	03/07/14	KCA	TO15	
Cyclohexane	0.79	*0.291*	2.72	*1.00*	03/07/14	KCA	TO15	
Dibromochloromethane	ND	*0.117*	ND	*1.00*	03/07/14	KCA	TO15	
Dichlorodifluoromethane	0.54	*0.202*	2.67	*1.00*	03/07/14	KCA	TO15	
Ethanol	3.97	*0.531*	7.48	*1.00*	03/07/14	KCA	TO15	1
Ethyl acetate	1.01	*0.278*	3.64	*1.00*	03/07/14	KCA	TO15	1
Ethylbenzene	0.87	*0.230*	3.78	*1.00*	03/07/14	KCA	TO15	
Heptane	2.07	*0.244*	8.48	*1.00*	03/07/14	KCA	TO15	
Hexachlorobutadiene	ND	*0.094*	ND	*1.00*	03/07/14	KCA	TO15	
Hexane	2.22	*0.284*	7.82	*1.00*	03/07/14	KCA	TO15	
Isopropylalcohol	1.13	*0.407*	2.78	*1.00*	03/07/14	KCA	TO15	
Isopropylbenzene	ND	*0.204*	ND	*1.00*	03/07/14	KCA	TO15	
m,p-Xylene	2.97	*0.230*	12.9	*1.00*	03/07/14	KCA	TO15	
Methyl Ethyl Ketone	5.32	*0.339*	15.7	*1.00*	03/07/14	KCA	TO15	
Methyl tert-butyl ether(MTBE)	ND	*0.278*	ND	*1.00*	03/07/14	KCA	TO15	
Methylene Chloride	0.98	*0.288*	3.40	*1.00*	03/07/14	KCA	TO15	
n-Butylbenzene	ND	*0.182*	ND	*1.00*	03/07/14	KCA	TO15	1
o-Xylene	1.23	*0.230*	5.34	*1.00*	03/07/14	KCA	TO15	
Propylene	22	*0.581*	37.8	*1.00*	03/07/14	KCA	TO15	1
sec-Butylbenzene	ND	*0.182*	ND	*1.00*	03/07/14	KCA	TO15	1
Styrene	ND	*0.235*	ND	*1.00*	03/07/14	KCA	TO15	
Tetrachloroethene	10.3	*0.037*	69.8	*0.25*	03/07/14	KCA	TO15	
Tetrahydrofuran	3.1	*0.339*	9.14	*1.00*	03/07/14	KCA	TO15	1
Toluene	6.34	*0.266*	23.9	*1.00*	03/07/14	KCA	TO15	
Trans-1,2-Dichloroethene	ND	*0.252*	ND	*1.00*	03/07/14	KCA	TO15	
trans-1,3-Dichloropropene	ND	*0.220*	ND	*1.00*	03/07/14	KCA	TO15	
Trichloroethene	1.43	*0.047*	7.68	*0.25*	03/07/14	KCA	TO15	
Trichlorofluoromethane	0.59	*0.178*	3.31	*1.00*	03/07/14	KCA	TO15	
Trichlorotrifluoroethane	ND	*0.130*	ND	*1.00*	03/07/14	KCA	TO15	
Vinyl Chloride	ND	*0.098*	ND	*0.25*	03/07/14	KCA	TO15	
QA/QC Surrogates								
% Bromofluorobenzene	102	*%*	102	*%*	03/07/14	KCA	TO15	

Project ID: 25-11 & 25-17 38TH AVE

Client ID: SV3

Phoenix I.D.: BG16436

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director

March 13, 2014

Reviewed and Released by: Sarah Bell, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 13, 2014

FOR: Attn: Melissa Pryer
Galli Engineering, P.C.
734 Walt Whitman Rd
Suite 402A
Melville, NY 11747

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	MP	03/05/14	13:15
Location Code:	GALLI-ENG	Received by:	LDA	03/06/14	17:00
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG16436
Phoenix ID: BG16437

Project ID: 25-11 & 25-17 38TH AVE
Client ID: SV4

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference	
Volatiles (TO15)								
1,1,1,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	03/07/14	KCA	TO15	1
1,1,1-Trichloroethane	ND	*0.183*	ND	*1.00*	03/07/14	KCA	TO15	
1,1,2,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	03/07/14	KCA	TO15	
1,1,2-Trichloroethane	ND	*0.183*	ND	*1.00*	03/07/14	KCA	TO15	
1,1-Dichloroethane	ND	*0.247*	ND	*1.00*	03/07/14	KCA	TO15	
1,1-Dichloroethene	ND	*0.252*	ND	*1.00*	03/07/14	KCA	TO15	
1,2,4-Trichlorobenzene	ND	*0.135*	ND	*1.00*	03/07/14	KCA	TO15	
1,2,4-Trimethylbenzene	ND	*0.204*	ND	*1.00*	03/07/14	KCA	TO15	
1,2-Dibromoethane(EDB)	ND	*0.130*	ND	*1.00*	03/07/14	KCA	TO15	
1,2-Dichlorobenzene	ND	*0.166*	ND	*1.00*	03/07/14	KCA	TO15	
1,2-Dichloroethane	ND	*0.247*	ND	*1.00*	03/07/14	KCA	TO15	
1,2-dichloropropane	ND	*0.216*	ND	*1.00*	03/07/14	KCA	TO15	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	ND	*1.00*	03/07/14	KCA	TO15	
1,3,5-Trimethylbenzene	ND	*0.204*	ND	*1.00*	03/07/14	KCA	TO15	
1,3-Butadiene	ND	*0.452*	ND	*1.00*	03/07/14	KCA	TO15	
1,3-Dichlorobenzene	ND	*0.166*	ND	*1.00*	03/07/14	KCA	TO15	
1,4-Dichlorobenzene	ND	*0.166*	ND	*1.00*	03/07/14	KCA	TO15	
1,4-Dioxane	ND	*0.278*	ND	*1.00*	03/07/14	KCA	TO15	
2-Hexanone(MBK)	ND	*0.244*	ND	*1.00*	03/07/14	KCA	TO15	1
4-Ethyltoluene	ND	*0.204*	ND	*1.00*	03/07/14	KCA	TO15	1
4-Isopropyltoluene	ND	*0.182*	ND	*1.00*	03/07/14	KCA	TO15	1
4-Methyl-2-pentanone(MIBK)	0.35	*0.244*	1.43	*1.00*	03/07/14	KCA	TO15	
Acetone	226	*0.421*	536	*1.00*	03/07/14	KCA	TO15	
Acrylonitrile	ND	*0.461*	ND	*1.00*	03/07/14	KCA	TO15	
Benzene	0.72	*0.313*	2.30	*1.00*	03/07/14	KCA	TO15	
Benzyl chloride	ND	*0.193*	ND	*1.00*	03/07/14	KCA	TO15	

Project ID: 25-11 & 25-17 38TH AVE
Client ID: SV4

Phoenix I.D.: BG16437

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference	
Bromodichloromethane	ND	*0.149*	ND	*1.00*	03/07/14	KCA	TO15	
Bromoform	ND	*0.097*	ND	*1.00*	03/07/14	KCA	TO15	
Bromomethane	ND	*0.258*	ND	*1.00*	03/07/14	KCA	TO15	
Carbon Disulfide	1.49	*0.321*	4.64	*1.00*	03/07/14	KCA	TO15	
Carbon Tetrachloride	0.07	*0.040*	0.440	*0.25*	03/07/14	KCA	TO15	
Chlorobenzene	ND	*0.217*	ND	*1.00*	03/07/14	KCA	TO15	
Chloroethane	ND	*0.379*	ND	*1.00*	03/07/14	KCA	TO15	
Chloroform	2.13	*0.205*	10.4	*1.00*	03/07/14	KCA	TO15	
Chloromethane	ND	*0.484*	ND	*1.00*	03/07/14	KCA	TO15	
Cis-1,2-Dichloroethene	ND	*0.252*	ND	*1.00*	03/07/14	KCA	TO15	
cis-1,3-Dichloropropene	ND	*0.220*	ND	*1.00*	03/07/14	KCA	TO15	
Cyclohexane	ND	*0.291*	ND	*1.00*	03/07/14	KCA	TO15	
Dibromochloromethane	ND	*0.117*	ND	*1.00*	03/07/14	KCA	TO15	
Dichlorodifluoromethane	1.97	*0.202*	9.74	*1.00*	03/07/14	KCA	TO15	
Ethanol	6.17	*0.531*	11.6	*1.00*	03/07/14	KCA	TO15	1
Ethyl acetate	1.02	*0.278*	3.67	*1.00*	03/07/14	KCA	TO15	1
Ethylbenzene	0.7	*0.230*	3.04	*1.00*	03/07/14	KCA	TO15	
Heptane	0.82	*0.244*	3.36	*1.00*	03/07/14	KCA	TO15	
Hexachlorobutadiene	ND	*0.094*	ND	*1.00*	03/07/14	KCA	TO15	
Hexane	0.77	*0.284*	2.71	*1.00*	03/07/14	KCA	TO15	
Isopropylalcohol	1.78	*0.407*	4.37	*1.00*	03/07/14	KCA	TO15	
Isopropylbenzene	ND	*0.204*	ND	*1.00*	03/07/14	KCA	TO15	
m,p-Xylene	2.91	*0.230*	12.6	*1.00*	03/07/14	KCA	TO15	
Methyl Ethyl Ketone	7.05	*0.339*	20.8	*1.00*	03/07/14	KCA	TO15	
Methyl tert-butyl ether(MTBE)	ND	*0.278*	ND	*1.00*	03/07/14	KCA	TO15	
Methylene Chloride	ND	*0.288*	ND	*1.00*	03/07/14	KCA	TO15	
n-Butylbenzene	ND	*0.182*	ND	*1.00*	03/07/14	KCA	TO15	1
o-Xylene	1.22	*0.230*	5.29	*1.00*	03/07/14	KCA	TO15	
Propylene	6.66	*0.581*	11.4	*1.00*	03/07/14	KCA	TO15	1
sec-Butylbenzene	ND	*0.182*	ND	*1.00*	03/07/14	KCA	TO15	1
Styrene	ND	*0.235*	ND	*1.00*	03/07/14	KCA	TO15	
Tetrachloroethene	14.5	*0.037*	98.3	*0.25*	03/07/14	KCA	TO15	
Tetrahydrofuran	1.61	*0.339*	4.74	*1.00*	03/07/14	KCA	TO15	1
Toluene	3.83	*0.266*	14.4	*1.00*	03/07/14	KCA	TO15	
Trans-1,2-Dichloroethene	ND	*0.252*	ND	*1.00*	03/07/14	KCA	TO15	
trans-1,3-Dichloropropene	ND	*0.220*	ND	*1.00*	03/07/14	KCA	TO15	
Trichloroethene	1.55	*0.047*	8.32	*0.25*	03/07/14	KCA	TO15	
Trichlorofluoromethane	0.65	*0.178*	3.65	*1.00*	03/07/14	KCA	TO15	
Trichlorotrifluoroethane	ND	*0.130*	ND	*1.00*	03/07/14	KCA	TO15	
Vinyl Chloride	ND	*0.098*	ND	*0.25*	03/07/14	KCA	TO15	
QA/QC Surrogates								
% Bromofluorobenzene	100	%	100	%	03/07/14	KCA	TO15	

Project ID: 25-11 & 25-17 38TH AVE
Client ID: SV4

Phoenix I.D.: BG16437

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
March 13, 2014
Reviewed and Released by: Sarah Bell, Project Manager

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

QA/QC Report

March 13, 2014

QA/QC Data

SDG I.D.: GBG16436

QA/QC Batch 268434, QC Sample No: BG16436 (BG16436, BG16437)

Volatiles

Parameter	Blank ppbv	Blank ug/m3	LCS %	Sample Result ug/m3	Sample Dup ug/m3	Sample Result ppbv	Sample Dup ppbv	DUP RPD	% Rec Limits	% RPD Limits
1,1,1,2-Tetrachloroethane	ND	ND	107	ND	ND	ND	ND	NC	70 - 130	20
1,1,1-Trichloroethane	ND	ND	74	ND	ND	ND	ND	NC	70 - 130	20
1,1,2,2-Tetrachloroethane	ND	ND	107	ND	ND	ND	ND	NC	70 - 130	20
1,1,2-Trichloroethane	ND	ND	106	ND	ND	ND	ND	NC	70 - 130	20
1,1-Dichloroethane	ND	ND	77	ND	ND	ND	ND	NC	70 - 130	20
1,1-Dichloroethene	ND	ND	75	ND	ND	ND	ND	NC	70 - 130	20
1,2,4-Trichlorobenzene	ND	ND	75	ND	ND	ND	ND	NC	70 - 130	20
1,2,4-Trimethylbenzene	ND	ND	107	ND	ND	ND	ND	NC	70 - 130	20
1,2-Dibromoethane(EDB)	ND	ND	104	ND	ND	ND	ND	NC	70 - 130	20
1,2-Dichlorobenzene	ND	ND	97	ND	ND	ND	ND	NC	70 - 130	20
1,2-Dichloroethane	ND	ND	78	ND	ND	ND	ND	NC	70 - 130	20
1,2-dichloropropane	ND	ND	109	ND	ND	ND	ND	NC	70 - 130	20
1,2-Dichlorotetrafluoroethane	ND	ND	91	ND	ND	ND	ND	NC	70 - 130	20
1,3,5-Trimethylbenzene	ND	ND	100	ND	ND	ND	ND	NC	70 - 130	20
1,3-Butadiene	ND	ND	76	ND	ND	ND	ND	NC	70 - 130	20
1,3-Dichlorobenzene	ND	ND	104	ND	ND	ND	ND	NC	70 - 130	20
1,4-Dichlorobenzene	ND	ND	102	ND	ND	ND	ND	NC	70 - 130	20
1,4-Dioxane	ND	ND	107	ND	ND	ND	ND	NC	70 - 130	20
2-Hexanone(MBK)	ND	ND	110	ND	ND	ND	ND	NC	70 - 130	20
4-Ethyltoluene	ND	ND	100	ND	ND	ND	ND	NC	70 - 130	20
4-Isopropyltoluene	ND	ND	107	ND	ND	ND	ND	NC	70 - 130	20
4-Methyl-2-pentanone(MIBK)	ND	ND	116	11.9	11.7	2.91	2.86	1.7	70 - 130	20
Acetone	ND	ND	74	368	351	155	148	4.6	70 - 130	20
Acrylonitrile	ND	ND	75	ND	ND	ND	ND	NC	70 - 130	20
Benzene	ND	ND	73	4.60	4.47	1.44	1.4	2.8	70 - 130	20
Benzyl chloride	ND	ND	108	ND	ND	ND	ND	NC	70 - 130	20
Bromodichloromethane	ND	ND	107	ND	ND	ND	ND	NC	70 - 130	20
Bromoform	ND	ND	111	ND	ND	ND	ND	NC	70 - 130	20
Bromomethane	ND	ND	79	ND	ND	ND	ND	NC	70 - 130	20
Carbon Disulfide	ND	ND	74	4.95	4.79	1.59	1.54	3.2	70 - 130	20
Carbon Tetrachloride	ND	ND	73	ND	0.251	ND	0.04	NC	70 - 130	20
Chlorobenzene	ND	ND	104	ND	ND	ND	ND	NC	70 - 130	20
Chloroethane	ND	ND	75	ND	ND	ND	ND	NC	70 - 130	20
Chloroform	ND	ND	78	4.83	4.68	0.99	0.96	3.1	70 - 130	20
Chloromethane	ND	ND	76	ND	ND	ND	ND	NC	70 - 130	20
Cis-1,2-Dichloroethene	ND	ND	78	ND	ND	ND	ND	NC	70 - 130	20
cis-1,3-Dichloropropene	ND	ND	104	ND	ND	ND	ND	NC	70 - 130	20
Cyclohexane	ND	ND	74	2.72	2.61	0.79	0.76	3.9	70 - 130	20
Dibromochloromethane	ND	ND	107	ND	ND	ND	ND	NC	70 - 130	20
Dichlorodifluoromethane	ND	ND	80	2.67	3.71	0.54	0.75	32.6	70 - 130	20
Ethanol	ND	ND	68	7.48	6.78	3.97	3.6	9.8	70 - 130	20

QA/QC Data

SDG I.D.: GBG16436

Parameter	Blank ppbv	Blank ug/m3	LCS %	Sample Result ug/m3	Sample Dup ug/m3	Sample Result ppbv	Sample Dup ppbv	DUP RPD	% Rec Limits	% RPD Limits	
Ethyl acetate	ND	ND	89	3.64	3.67	1.01	1.02	1.0	70 - 130	20	
Ethylbenzene	ND	ND	104	3.78	3.69	0.87	0.85	2.3	70 - 130	20	
Heptane	ND	ND	106	8.48	8.48	2.07	2.07	0.0	70 - 130	20	
Hexachlorobutadiene	ND	ND	72	ND	ND	ND	ND	NC	70 - 130	20	
Hexane	ND	ND	83	7.82	7.68	2.22	2.18	1.8	70 - 130	20	
Isopropylalcohol	ND	ND	77	2.78	2.73	1.13	1.11	1.8	70 - 130	20	
Isopropylbenzene	ND	ND	106	ND	ND	ND	ND	NC	70 - 130	20	
m,p-Xylene	ND	ND	108	12.9	12.7	2.97	2.93	1.4	70 - 130	20	
Methyl Ethyl Ketone	ND	ND	78	15.7	15.1	5.32	5.11	4.0	70 - 130	20	
Methyl tert-butyl ether(MTBE)	ND	ND	81	ND	ND	ND	ND	NC	70 - 130	20	
Methylene Chloride	ND	ND	69	3.40	3.23	0.98	0.93	5.2	70 - 130	20	I
n-Butylbenzene	ND	ND	105	ND	ND	ND	ND	NC	70 - 130	20	
o-Xylene	ND	ND	106	5.34	5.34	1.23	1.23	0.0	70 - 130	20	
Propylene	ND	ND	77	37.8	33.7	22	19.6	11.5	70 - 130	20	
sec-Butylbenzene	ND	ND	101	ND	ND	ND	ND	NC	70 - 130	20	
Styrene	ND	ND	103	ND	ND	ND	ND	NC	70 - 130	20	
Tetrachloroethene	ND	ND	102	69.8	69.1	10.3	10.2	1.0	70 - 130	20	
Tetrahydrofuran	ND	ND	86	9.14	9.37	3.1	3.18	2.5	70 - 130	20	
Toluene	ND	ND	104	23.9	24.1	6.34	6.39	0.8	70 - 130	20	
Trans-1,2-Dichloroethene	ND	ND	76	ND	ND	ND	ND	NC	70 - 130	20	
trans-1,3-Dichloropropene	ND	ND	107	ND	ND	ND	ND	NC	70 - 130	20	
Trichloroethene	ND	ND	101	7.68	7.57	1.43	1.41	1.4	70 - 130	20	
Trichlorofluoromethane	ND	ND	83	3.31	3.14	0.59	0.56	5.2	70 - 130	20	
Trichlorotrifluoroethane	ND	ND	76	ND	ND	ND	ND	NC	70 - 130	20	
Vinyl Chloride	ND	ND	76	ND	ND	ND	ND	NC	70 - 130	20	
% Bromofluorobenzene	106	106	97	102	100	102	100	2.0	70 - 130	20	

I = This parameter is outside laboratory lcs/lcsd specified recovery limits.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria
Intf - Interference

Phyllis Shiller, Laboratory Director
March 13, 2014

Criteria: None

State: NY

Sample Criteria Exceedences Report

GBG16436 - GALLI-ENG

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units

*** No Data to Display ***

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY Temperature Narration

March 13, 2014

SDG I.D.: GBG16436

The samples in this delivery group were received at 4°C.
(Note acceptance criteria is above freezing up to 6°C)

4°C with TF

PHOENIX Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Telephone: 860.645.1102 • Fax: 860.645.0823

CHAIN OF CUSTODY RECORD
AIR ANALYSES

800-827-5426
email: greg@phoenixlabs.com

P.O. #

Data Delivery:
☐ Fax #:
☒ Email: mpryer@galliengr.com
☐ Phone #:

Report to: Melissa Pryer
Customer: Galli Eng
Address: 734 Walt Whitman Rd. Suite 402A
Melville, NY 11747

Invoice to: Galli Engineering, P.C.
Attn: Luis LaSanta

Sampled by: Melissa Pryer

Project Name: 25-11 & 25-17 38th Ave
Criteria Requested: Deliverable: RCP ☐ MCP ☐
State where samples collected: NY

Phoenix ID #	Client Sample ID	Canister ID #	Canister Size (L)	Outgoing Canister Pressure (" Hg)	Incoming Canister Pressure ("Hg)	Flow Regulator ID #	Flow Controller Setting (mL/min)	Sampling Start Time	Sampling End Time	Sample Start Date	Canister Pressure at Start (" Hg)	Canister Pressure at End ("Hg)	Ambient/Indoor Air	Soil Gas	Grab (G) Composite (C)	TO-14	TO-15
		THIS SECTION FOR LAB USE ONLY											MATRIX			ANALYSES	
16436	SV3	455	6.0	-30	-1	5660	41.6	10:49am	12:40pm	3/5/14	28	4		X			X
16437	SV4	216	↓	↓	-4	5651	↓	11:38am	1:15pm	3/5/14	27	6		X			X
	6L 2hr																

Relinquished by:	Accepted by:	Date:	Time:
Melissa Pryer	[illegible]	3-6-14	1000
[illegible]	[illegible]	3-6-14	17:00

Data Format: Excel ☑ Equis ☐ GISKey ☐ PDF ☑ Other: ☐

SPECIAL INSTRUCTIONS, QC REQUIREMENTS, REGULATORY INFORMATION:
6L 2hr

Quote Number:

I attest that all media released by Phoenix Environmental Laboratories, Inc. have been received in good working condition and agree to the terms and conditions as listed on the back of this document:

Signature: Melissa Pryer Date: 3/6/14