Remedial Investigation Report

Conducted at:

OER Project Number: 12EHAN365M

333 West 38th Street
New York, NY 10018

Tax Map Designation:

Block 762, Lot 16

April 2013

Prepared for:

OPTIMA Real Estate
Gene Kaufman Architect P.C.
525 Broadway 8th Floor
New York, NY 10012

Prepared by:

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

_____ _____

Richard D. Galli, P.E. Date

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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 D. Galli, P. E., am a Qualified Environmental Professional, as defined in RCNY § 43-1402(are). I have primary direct responsibility for implementation of the Remedial Investigation for the Site known as "333 West 38th Street, New York, NY, 10018, (OER Project Number 12EHAN365M). 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 that it contains all available environmental information and data regarding the property.

Richard D. Galli, P. E.	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 subject property is located at 333 West 38th Street , New York, New York 10018, Tax Map designation as Block: 762, Lot: 16, herein identified as the "Subject Site". From the Site, West 39th Street is located to the north, West 38th Street is located to the south, 9th Avenue is to the west and 8th Avenue is to the east. Current zoning at the Site is C6-4M, commercial with manufacturing. The building is located in the GCP2 - Garment Center Special District Preservation Area P-2. The property is also NYC E-Designated for Air Quality. This E-Designation limits HVAC fuel to natural gas, and provides protocol for underground gasoline storage tank testing, Window Wall Attenuation, and Alternate Ventilation. A Site Location Plan is included as **Figure 1**.

Summary of Proposed Redevelopment Plan

The future use of the Site will consist of commercial use and will include a 21-story hotel with basement and 79 guest rooms. Four guest rooms will be on each floor and the entire building will encompass 34,000 gross square feet of space. Construction plans include excavation of the entire Site to a depth of approximately 15' below grade for installation of a full basement. In addition, excavation for the elevator pit, located near the center of the excavation, will increase to a depth of approximately 27' below grade. Upon completion of construction at the Site, there will not be any open space or areas not covered with concrete.

The Site is located approximately 353 feet west of the intersection of 9th Avenue and West 38th Street, on the north side of the block, having a street frontage of 25 feet. The current

zoning designation, as per Department of City Planning NYC zoning maps, is C6-4M, commercial with manufacturing. The proposed use is consistent with existing zoning for the property. This RIR may only be implemented for this proposed development scenario.

Summary of Past Uses of Site and Areas of Concern

The subject Site includes a five-story commercial building with basement and currently contains office space and one commercial store. The subject property measures 25 feet by 99 feet. The building was constructed in 1920 and has a total floor area of approximately 9,000 square feet of commercial space. The first and second floors measure 25 feet by 100 feet while the third, fourth, and fifth floors measure approximately 25 feet by 62 feet. This subject property is listed as residential apartments from 1927 through 1931 and commercial businesses from 1938 through 2006.

Areas of Concern at the subject site, as identified in the Phase II study, include:

- Presence of historic fill material at the Site to a depth of approximately 20 feet below grade.

Summary of the Work Performed under the Remedial Investigation

1. Galli Engineering Inc, (Galli) completed a Phase I Site Assessment at the subject Site in July 2011;
2. In June 2012, a Phase II Investigation was performed. A total of six soil borings (SB-1 through SB-6) were performed at the subject property to depths ranging from 22 to approximately 30 feet below land surface. Soil samples were collected for laboratory analysis in order to characterize the quality of soil and determine if any contamination exists on site;
3. During the Phase II investigation, three temporary monitoring wells were also installed at the subject property. Groundwater at the site was encountered at a depth of approximately 23 feet below ground surface. After installation, the temporary wells were developed by purging out the sediment via dedicated tubing with check valve,

and subsequently sampled for laboratory analysis. However, one of the wells (GW-3) was unable to be sampled due a lack of groundwater recharge; and

4. Three soil vapor samples were also collected during the Phase II, from below the current basement slab using a Geoprobe with dedicated tubing and summa canisters with 2-hour flow controllers. Two samples were collected at a depth of approximately (20' below land surface), and one sample was located at the future location of the elevator pits (sampled at ~ 21' below land surface, due to groundwater at ~23'). The soil vapor samples were designated as SV-1 through SV-3.

Summary of Environmental Findings

1. Elevation of the property is approximately 38 feet above sea level.
2. Depth to groundwater is approximately 23 feet below land surface.
3. The general topographic gradient slopes towards the west-northwest.
4. The stratigraphy of the site, from the surface down, consists of approximately 1-20 feet of urban fill; underlain by ~1-150 feet of unconsolidated glacial till; underlain by bedrock.
5. Soil samples collected during the Phase II investigation showed no VOCs, pesticides or PCBs at detectable concentrations. Several metals were detected in all soil borings at low concentrations, none detected above Track 1 Unrestricted Use SCOs.
6. The results from groundwater analysis indicated that, no VOCs, PCBs or pesticides were detected in any of the samples above Part 703.5 NYS Water Quality Standards (GQS). Two SVOC, benzo(a)anthracene (0.075 ppb) and chrysene (0.063 ppb) were detected slightly above GQS. Metals including aluminum, iron, magnesium, manganese and sodium were detected above GQS in one well.
7. Results of Soil Vapor analysis indicated petroleum and chlorinated VOCs at trace levels. TCA was detected at less than 2.1 ug/m^3, TCE was detected at a maximum concentration of 20 ug/m^3 and PCE was detected at a maximum concentration of 37.5 ug/m^3.

REMEDIAL INVESTIGATION REPORT

1.0 SITE BACKGROUND

Optima Real Estate is enrolling in the New York City Voluntary Cleanup Program (NYC VCP) to remediate a 2,500 square-feet property located at 333 West 38th Street in New York, New York. Commercial use is proposed for the property. The Phase II investigation was performed in June 2012. 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).

The Site includes a five-story commercial building with basement and currently contains office space and one commercial store. The property measures 25 feet by 99 feet. The building was constructed in 1920 and has a total floor area of approximately 9,000 square feet of commercial space. The first and second floors measure 25 feet by 100 feet while the third, fourth, and fifth floors measure approximately 25 feet by 62 feet. This property is listed as residential apartments from 1927 through 1931 and commercial businesses from 1938 through 2006.

The Site has been designated on the NYC Zoning Maps as an E-Designated Site. The "E-Designation" indicates the presence of an environmental requirement pertaining to potential Hazardous Materials Contamination, Window/Wall Noise Attenuation, or Air Quality impacts on a particular tax lot. E-Designations are assigned to development sites identified by a lead agency during the City Environmental Quality Review (CEQR) of a proposed zoning action. These designations are made in order to apply environmental requirements related to potential hazardous materials, air quality, or noise impacts resulting from the proposed action. The E-Designation rule sets forth procedures that land owners and developers must follow to satisfy E-Designations and obtain city building permits for their projects. Based upon this designation, the owner must submit proposed plans for the subject site to the NYC Office of Environmental Remediation (OER) and receive approvals before a building permit can be obtained. In the case

of the subject Site, Window/Wall Noise Attenuation guidelines must be met before a building permit will be issued.

1.1 Site Location and Current Usage

The property is located at 333 West 38th Street , New York, New York 10018, Tax Map designation as Block: 762, Lot: 16, herein identified as the "Site". From the Site, West 39th Street is located to the north, West 38th Street is located to the south, 9th Avenue is to the west and 8th Avenue is to the east. Current zoning at the Site is C6-4M, commercial with manufacturing. The building is located in the GCP2 - Garment Center Special District Preservation Area P-2. The property is also NYC E-Designated for Air Quality and Noise. This E-Designation limits HVAC fuel to natural gas, and provides protocol for underground gasoline storage tank testing, Window Wall Attenuation, and Alternate Ventilation. A Site Location Plan is included as Figure 1.

The building is currently occupied by a commercial store on the first floor operating as a book store and art gallery. Floors two through five are utilized by "Nowy Dziennik" Polish Daily News and Bicentennial Publishing Co., Inc. The building is serviced by public water, sewer and electrical utilities. Heating is provided by forced air HVAC units located within the drop ceilings.

1.2 Proposed Redevelopment Plan

The future use of the Site will consist of commercial use and will include a 21-story hotel with full basement and 79 guest rooms. Four guest rooms will be on each floor and the entire building will encompass 34,000 gross square feet of space. Construction plans include excavation of the entire Site to a depth of approximately 15' below grade for installation of the full basement. In addition excavation for the elevator pit, located near the center of the excavation, will increase to a depth of approximately 27' below grade. Upon completion of construction at the Site, there will not be any open space or areas not covered with concrete.

The Site is located approximately 353 feet west of the intersection of 9th Avenue and West 38th Street, on the north side of the block, having a street frontage of 25 feet. The current

zoning designation, as per Department of City Planning NYC zoning maps, is C6-4M, commercial with manufacturing. The proposed use is consistent with existing zoning for the property. This RIR may only be utilized for this proposed development scenario.

1.3 Description of Surrounding Property

The subject property is located in an area generally consisting of residential and commercial development. The past uses of the adjoining properties are predominantly commercial. Research through EDR and Examination of the properties immediately surrounding the subject property revealed no observable conditions that would normally adversely impact the environmental quality of the subject Site. Figure 2 shows the surrounding land usage.

2.0 SITE HISTORY

2.1 Past Uses and Ownership

During the Phase I investigation conducted in July 2011, the City Directory Abstract was reviewed spanning the years 1927-2006. This subject property is listed as residential apartments from 1927 through 1931 and commercial businesses from 1938 through 2006.

2.2 Previous Investigations

2.2.1 Phase I Investigation – July 2011

Galli Engineering completed a Phase I Site Assessment at the subject Site in July 2011. The subject property was determined to be a NYC E-Designated for Air Quality and Noise. This E-Designation limits HVAC fuel to natural gas, and provides protocol for underground gasoline storage tank testing, Window Wall Attenuation, and Alternate Ventilation. The E-Designation is not a building violation and does not affect and legal use of the property. However, a building permit will not be approved until the environmental requirements of the E-Designation are satisfied.

2.2.2 Phase II Investigation – June 2012

A Phase II Investigation was subsequently performed in June 2012. This investigation included the installation of six soil borings, three temporary monitoring wells and 3 soil vapor probes. The Phase II Report was submitted in September 2012 and the results are summarized in Section 4 of this report.

2.3 Site Inspection

A Site inspection was performed on the property on July 19, 2011. The property consisted of a five story building with office space and one commercial store. The commercial store is located on the 1st floor and floors 2 - 5 are utilized by the Polish Daily News. The basement of the building has a concrete floor and is used for storage by the publishing company. A boiler and water heater were observed within the basement. No mold or water damage was observed during the site inspection. No petroleum storage tanks were identified on the subject

Site. Sewer services are provided by the City of New York, no cesspools or septic tanks are utilized on site.

There was no evidence of illegal storage or dumping of asbestos containing materials, formaldehyde insulation or other hazardous substances on the subject Site. No accumulation of refuse or litter was observed on the subject property and there were no significant areas of distressed or dead vegetation observed on the lot. There were no visible sumps, pits or other similar structures observed at the Site and no surface water was located on the property.

2.4 Areas of Concern

Areas of Concern at the subject site, as identified in the Phase I study, includes:

- Presence of urban fill material at the Site estimated to a depth of 20 feet below grade.
- Historic usage of lead based paints used during building construction and maintenance.

3.0 PROJECT MANAGEMENT

3.1 Project Organization

The Qualified Environmental Profession (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.

3.3 Materials Management

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

4.0 REMEDIAL INVESTIGATION ACTIVITIES

4.1 Geophysical Investigation

No geophysical investigation was conducted as part of this assessment.

4.2 Installation of Soil Borings

During the Phase II investigation, six soil borings were performed at the subject property and were designated SB-1 through SB-6. The soil borings were advanced using a portable *Geoprobe* unit to a depth of 14' below the basement floor in order to characterize the quality of soil and determine if any contamination exists on site. The basement floor is approximately 8 feet below street level. The 14' depth below the basement floor is approximately 7 feet below the maximum proposed excavation depth of 15' below land surface. Elevator pits will be installed to a depth of approximately 26' below ground surface. In these areas, the borings were pushed to a depth of approximately 32 feet below grade and then sampled, unless met by refusal. After several attempts, soil boring SB-3 was not able to be completed due to refusal, possibly caused by concrete. All soil boring locations are shown on the Sampling Location Plan provided as Figure 3. Boring logs are included in Appendix A.

4.3 Installation of Groundwater Monitoring Wells

Upon completion of the soil borings, three temporary monitoring wells were also installed at the subject property. Groundwater at the site was encountered at approximately 23 feet below land surface (15 feet below the basement floor) and the monitoring wells were installed with 5 feet of 2" Schedule 40 PVC pipe and 10 feet of screen. After installation, wells were developed by purging out the sediment via dedicated tubing with check valve. GW-3 was unable to be sampled due to a lack of groundwater recharge into the well. An experienced field representative from Galli Engineering, P.C., and (Galli) was present to monitor all field activities and collect samples.

The soil boring and temporary monitoring well locations are shown on the Sampling Location Plan, included as Figure 3.

4.4 Soil Vapor Point Installation

Three soil vapor samples were also collected from below the basement floor (~8' below land surface) using a Geoprobe with dedicated tubing and summa canisters with 2-hour flow controllers. Two samples were collected at a depth of 12' below the basement floor. The third sample was located at the proposed location for the elevator pits, and sampled at 13' below the basement floor due to the presence of groundwater at 15'. The soil vapor samples were identified as SV-1 through SV-3.

Samples were submitted to a NYSDOH ELAP-certified analytical laboratory and analyzed using United States Environmental Protection Agency (USEPA) Method TO-15 to test for volatile organic compounds (VOCs). Sample results were compared to parameters set forth in the November 2006 NYSDOH Final Guidance for Evaluating Soil Vapor Intrusion.

4.5 Sample Collection and Chemical Analysis

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

4.5.1 Soil Sampling

The soil samples collected from each boring were placed into clean 2-ounce, 4-ounce and 8-ounce glass jars fitted with Teflon lined caps using a single-use environmental grade disposable plastic scoop. Each jar was then labeled with designated sample identification, date and time of collection, and the requested laboratory analyses. Each soil sample jar was packed in a secure cooler. The samples 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 hand delivery by a Galli Engineering representative.

Soil samples were analyzed for volatile organic compounds (VOCs) according to United States Environmental Protection Agency (US EPA) Method 8260; semi-volatile organic compounds (SVOCs) by EPA Method 8270; Target Analyte List (TAL) metals by EPA Method 6010/7470; and Pesticides/PCBs by EPA Method 8081/8082. One duplicate sample from SB-1 was also collected (SB-1D).

4.5.2 Groundwater Sampling

Upon completion of the soil borings, three temporary monitoring wells were installed at the subject property however after development, only two wells contained sufficient groundwater for sampling. Groundwater at the site was encountered at approximately 15 feet below the basement floor (approximately 23 feet below ground surface). The monitoring wells were installed with 5 feet of 2” Schedule 40 PVC pipe and 10 feet of screen. After installation, wells were developed by purging out the sediment via dedicated tubing with check valve. An experienced field representative from Galli Engineering, P.C., (Galli) was present to monitor all field activities and collect samples.

Two groundwater samples, labeled GW-1 and GW-2, were collected from the site as shown on Figure 3, the Sampling Location Plan. Each sample was collected from approximately 15 feet below the basement floor, using dedicated polyethylene tubing with a check valve and placed into two 1-liter amber colored glass jars, two clear 40-milliliter glass vials and a 250-milliliter plastic bottle.

Samples were analyzed for the presence of VOCs by Method 8260, SVOCs by Method 8270, Pesticides/PCBs by Method 8081/8082 and TAL Metals by Method 6010/7470. A field blank was also collected.

4.5.3 Soil Vapor Sampling

Three soil vapor samples were also collected from the basement using a Geoprobe with dedicated tubing and Summa canisters with 2-hour flow controllers. Two soil vapor samples were collected at a depth of 12 feet below the basement floor (~20 feet below land surface). The third sample was located at the proposed location of the elevator pits (sampled at 13' below the basement floor, due to groundwater at 15'). Methodologies used for soil vapor assessment conform to the NYS DOH Final Guidance on Soil Vapor Intrusion, October 2006.

The soil vapor samples, designated as SV-1 through SV-3, were submitted to a NYSDOH certified analytical laboratory for analysis of volatile organic compounds (VOCs) using United States Environmental Protection Agency (USEPA) Method TO-15. Sample results were compared to parameters set forth in the November 2006 NYSDOH Final Guidance for Evaluating Soil Vapor Intrusion.

Chemical Analysis

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

Factor	Description
Quality Assurance Officer	The chemical analytical quality assurance is directed by Frank Gehrling.
Chemical Analytical Laboratory	Chemical analytical laboratory(s) used in the RI include Phoenix Environmental Labs and H_2M, Labs, both NYS ELAP certified labs.
Chemical Analytical Methods	<u>Soil analytical methods</u>: • 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); • TAL Metals by EPA Method 6010C (rev. 2007) <u>Groundwater analytical methods:</u> • 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); • TAL Metals by EPA Method 6010C (rev. 2007) <u>Soil vapor analytical methods</u>: • VOCs by TO-15 VOC parameters

5.0 ENVIRONMENTAL EVALUATION

5.1 Geological and Hydrogeological Conditions

Site Geology and Soils:

The subject property is located within the New England physiographic province. Elevations in the area within a one mile radius of the subject property range from 0 to 64 feet above sea level. The USGS 7.5 Minute Topographic Map of Central Park, NY indicates the elevation of the subject site is approximately 38 feet above sea level. The general topographic gradient slopes to the west-northwest.

The geology of this section of Manhattan is composed of crystalline metamorphic rock of Ordovician age from the Manhattan Formation. The rocks are composed of pelitic schists and amphibolite. The surficial geology of this area of Manhattan is glacial till. Till has variable texture – accumulations of mixtures of clay, silt, sand, gravel and boulders, usually poorly sorted and relatively impermeable. Thickness is variable, from approximately 1-150 feet.

The United States Department of Agriculture (USDA) Soil Conservation Service (SCS) information indicates that the soils on the subject property are classified as Urban Land. This soil type is described as variable. The soil surface textures are loamy sand, silt loam, sandy loam and fine sandy loam. The deeper soil types are gravelly - loamy sand and unweathered bedrock.

Hydrogeology:

No surface water features are located in close proximity to the subject property. Groundwater is not used as potable water in New York County.

5.2 Sampling Chemistry

5.2.1 Soil Sample Analytical Results

- No VOCs were identified in any of the soil samples.
- No SVOCs were identified in any of the soil samples above NYSDEC Part 375 -6.8(b) Residential SCOs in any of the samples.

- No PCBs or pesticides were identified in any of the soil samples.
- TAL metals were detected below NYSDEC Part 375-6.8(b) Residential SCOs in all of the samples.

A summary table of the soil analytical data compared to the NYSDEC Part 375-6.8(b) Residential Use SCOs is provided as Tables 1 and 2. The laboratory analytical report is provided in Appendix B.

5.2.2 Groundwater Chemistry

Groundwater results were analyzed and assessed in accordance with the 6 NYCRR Chapter X, Part 703 "Surface Water and Groundwater Quality Standards and Groundwater Effluent Limitations". Based upon the groundwater laboratory analytical results, no VOCs, SVOCs, PCBs or pesticides were detected in any of the samples above the ambient limits. The metals aluminum, barium, cobalt, chromium, copper, iron, magnesium, manganese and vanadium were detected in GW-1 above their respective ambient groundwater limits. The metals sodium, iron, manganese and aluminum were detected in GW-2 above their respective ambient groundwater limits.

A summary table of the groundwater analytical data is provided in Tables 3 and 4. The laboratory analytical report is provided in Appendix B.

5.2.3 Soil Vapor Chemistry

Galli Engineering, along with AARCO Environmental, conducted soil vapor sampling at the subject property. Samples were collected using 6-liter Summa canisters fitted with 2 hour flow controllers to collect samples over a 2-hour period. Laboratory results indicate no elevated levels of compounds were detected in the soil vapor samples and the concentrations are not expected to affect indoor air quality. No additional actions are needed to address human exposure.

A summary of the soil vapor sampling analytical results is provided in Table 5 and the laboratory report is included in Appendix C.

5.3 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.

5.4 Impediments to Remedial Action

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

6.0 CONCLUSIONS AND RECOMMENDATIONS

Galli Engineering, P.C. has prepared this Remedial Investigation Report (RIR) on behalf of Optima Real Estate to determine if the past and current use of subject property has impacted the environmental quality of the soil and groundwater at the subject property.

Based on the analytical data, Galli Engineering concludes the following:

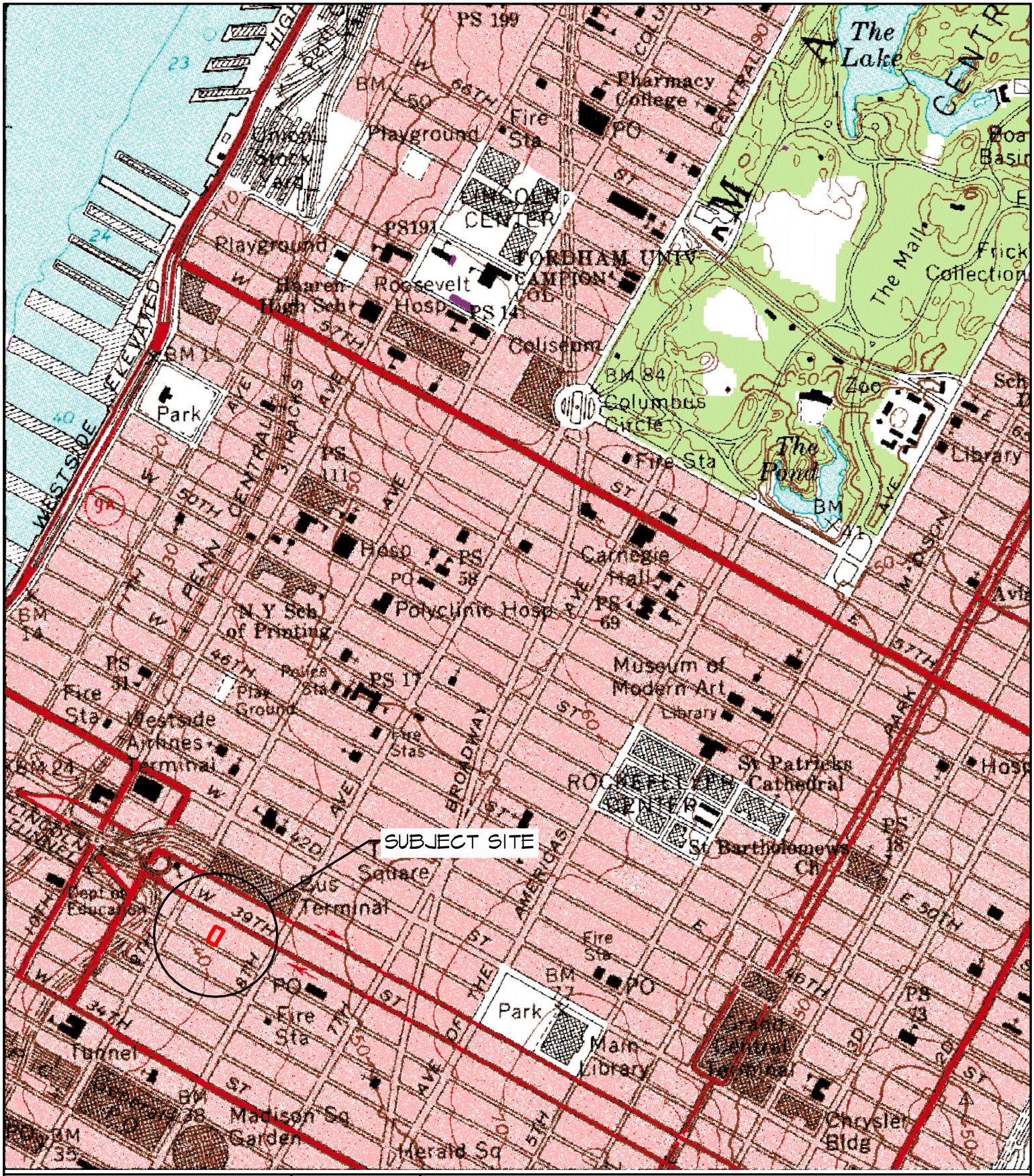
- The results of soil samples collected during the Phase II Investigation reported non-detectable concentrations of VOCs, PCBs and Pesticides in all the soil samples.
- SVOCs were detected in the soil samples however; the concentrations detected were below Track 2 - Part 375-6.8(b) Residential Use SCOs.
- TAL metals laboratory results from the soil samples were also below Track 2 - Part 375-6.8(b) Residential Use SCOs in all of the soil samples.
- The results from groundwater analysis indicated that, no VOCs, SVOCs, PCBs or pesticides were detected in any of the samples above Part 703.5 - Surface Water and Groundwater Quality Standards.
- Groundwater analytical results detected the metals; aluminum, barium, cobalt, chromium, copper, iron, magnesium, manganese and vanadium in GW-1, above the respective Part 703.5 Water Quality Standards. The metals aluminum, iron, manganese and sodium were also detected in GW-2 above the Water Quality Standards.
- Laboratory results obtained from the soil vapor sampling indicated no elevated levels of compounds were detected in the soil vapor samples and the concentrations are not expected to affect indoor air quality. No additional actions are needed to address human exposure.
- Based upon sampling results, no VOC, SVOC, PCB or Pesticide contamination was found in the soil, groundwater, or soil vapor at the subject Site above NYS Guidelines.

- Groundwater sampling results indicated various metals above their Part 703.5 - Surface Water and Groundwater Quality Standards, at both temporary well locations.

Due to the elevated presence of metals in the groundwater samples above NYS Groundwater Quality Standards and the metals concentrations identified in the soil samples, Galli recommends excavation and removal of the soil/fill material for the proposed building at the Site, under the NYC VCP Program. In addition, Galli Engineering recommends that all soils excavated from this location for construction of the proposed building be accepted into the OER Clean Soil Bank Program; as the sampling results did not show elevated compounds above the NYSDEC Part 375-6-8(b) residential cleanup objectives in any of the samples.

Upon approval of this Remedial Investigation Report (RIR) a document, Remedial Action Work Plan (RAWP) will be prepared detailing the excavation, disposal and final soil sampling at the Site following OER guidelines. As part of normal construction, a waterproof membrane/vapor barrier will be installed beneath the proposed building slab, to prevent any water or soil vapor intrusion. Details on the specifications and installation of the waterproofing will also be included in the RAWP.

FIGURES



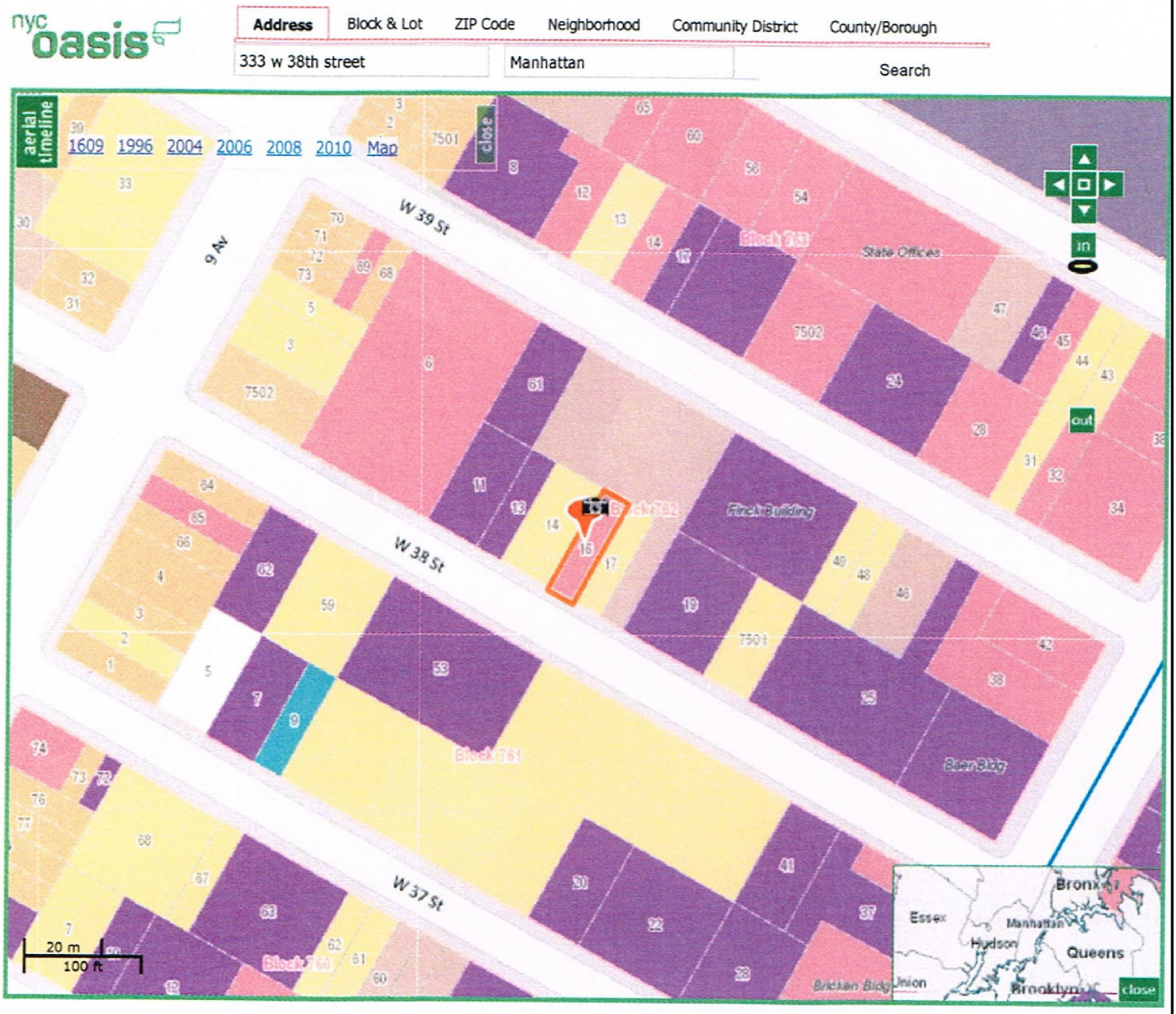
Galli Engineering, P.C.

734 Walt Whitman Road,
Suite 402A
Melville, New York 11747

JOB NO. 0954-01-002	
DATE 9/30/12	
SCALE N.T.S.	CHKD. BY KLB
DRWN. BY JJR	DSGN. BY KLB

333 W. 38th STREET

FIGURE 1 – SITE LOCATION MAP



1 & 2 FAMILY RESIDENTIAL	INDUSTRIAL
MULTI–FAMILY RESIDENTIAL	PARKING
COMMERCIAL	INSTITUTIONS

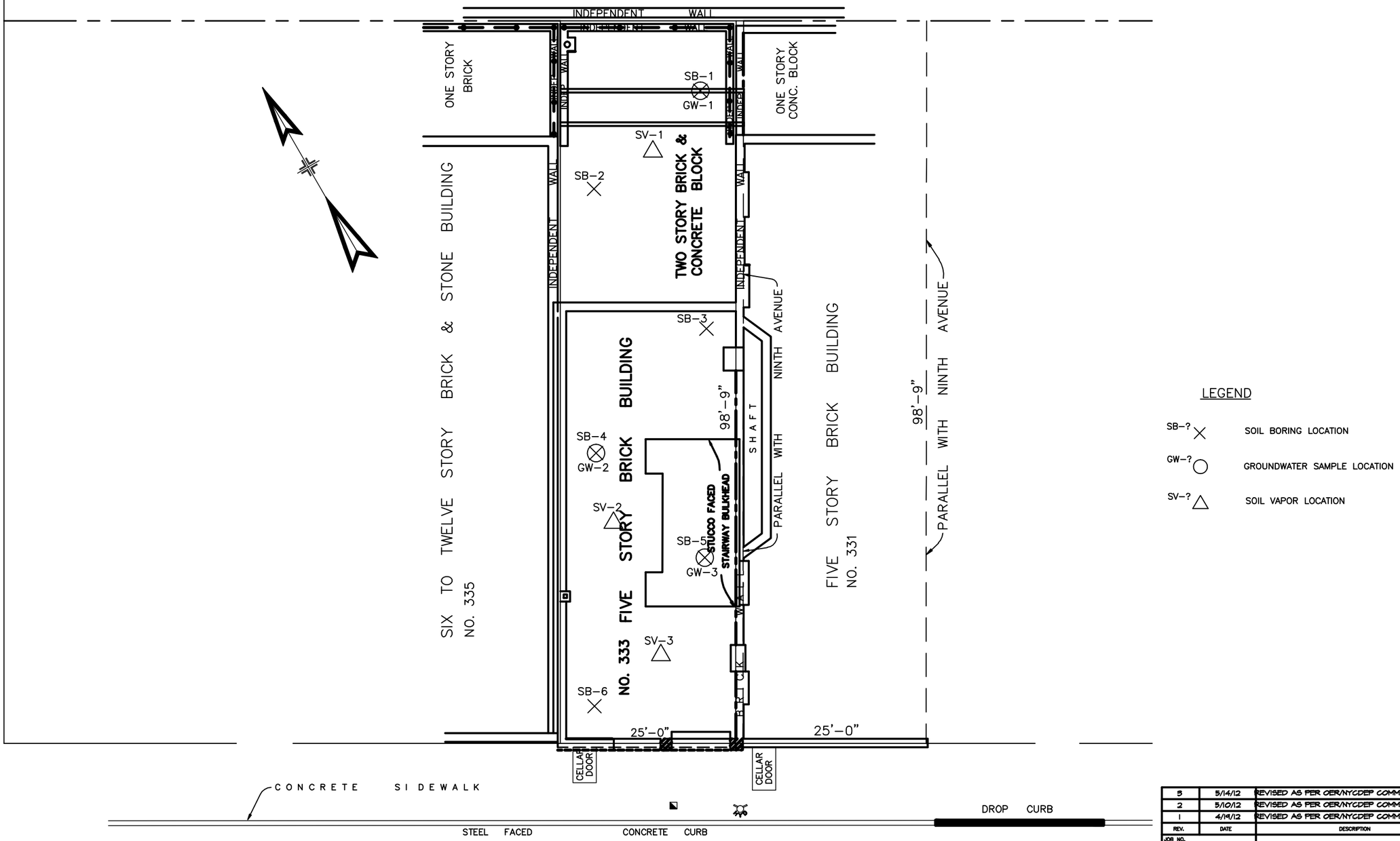
Galli Engineering, P.C.

734 Walt Whitman Road,
Suite 402A
Melville, New York 11747

JOB NO. 0954–01–002	
DATE 3/25/13	
SCALE N.T.S.	CHKD. BY KLB
DRWN. BY JJR	DSGN. BY KLB

333 W. 38th STREET, NEW YORK, N.Y.

FIGURE 2 – SURROUNDING LAND USAGE



LEGEND

SB-? SOIL BORING LOCATION

GW-? GROUNDWATER SAMPLE LOCATION

SV-? SOIL VAPOR LOCATION

NOTE: SITE INFORMATION TAKEN FROM PROPERTY SURVEY PREPARED BY LINK LAND SURVEYORS, P.C., DATED OCTOBER 11, 2011.

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REV.	DATE	DESCRIPTION	BY
3	5/14/12	REVISED AS PER OER/NYCDEP COMMENTS.	AS
2	5/10/12	REVISED AS PER OER/NYCDEP COMMENTS.	AS
1	4/19/12	REVISED AS PER OER/NYCDEP COMMENTS.	AS

JOB NO. 0454-01-001

DRAWN ADS

CHECKED SD

APPROVED RDS

SEAL

OPTIMA REAL-ESTATE

333 WEST 38th STREET, NEW YORK, NY

SAMPLING LOCATION PLAN

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

DATE 4/06/12 | SCALE 1" = 1'-0" | DRAWING NO. **FIGURE 3**

TABLES

TABLE 1
Soil Sampling Results - VOCs, SVOCs, PCBs and Pesticides

333 West 38th Street
New York, NY

COMPOUND	NYSDEC Regulatory Guidance	SAMPLING LOCATIONS										
		SB-1	SB-1S	SB-1D	SB-2	SB-2S	SB-4	SB-4S	SB-5	SB-5S	SB-6	SB-6S
VOCs	375-6.8(b) Residential Use SCOs	NONE DETECTED										
SVOCs	375-6.8(b) Residential Use SCOs											
Butylbenzylphthalate	n/a	ND	ND	ND	ND	ND	**3,300**	**4,200**	**940**	ND	ND	ND
PCBs	375-6.8(b) Residential Use SCOs	NONE DETECTED										
Pesticides	375-6.8(b) Residential Use SCOs	NONE DETECTED										

Notes:
All compounds are reported in micro gram per Kilogram (ug/kg).
n/a = Not Available
ND = Not Detected above method detection limit.

TABLE 2
Soil Sampling Results - Metals

333 West 38th Street
New York, NY

COMPOUND	NYSDEC Part 375-6.8(b) Residential Use SCO's	SAMPLING LOCATION										
Metals		SB-1	SB-1S	SB-1D	SB-2	SB-2S	SB-4	SB-4S	SB-5	SB-5S	SB-6	SB-6S
Aluminum	n/a	13,300	11,400	11,500	11,400	10,900	7,450	10,700	8,830	13,300	3,720	12,300
Antimony	n/a	-	-	-	-	-	-	-	-	-	-	-
Arsenic	16	0.83	3.41	5.89	0.76	0.96	1.18	5.86	0.86	3.43	1.24	7.93
Barium	350	171	45.6	53.8	153	154	111	103	106	202	46.0	120
Beryllium	14	0.84	0.38	0.45	0.72	0.41	0.37	0.61	0.41	0.48	-	0.59
Calcium	n/a	15,900	1,150	1,090	3,370	2,350	3,060	1,810	3,970	1,510	1,390	1,580
Cobalt	n/a	11.7	6.95	7.51	9.19	5.66	5.64	10.1	6.02	7.38	2.95	10.2
Chromium	36	29.6	13.6	17.1	25.1	13.2	25.6	14.9	24.5	16.7	15.7	14.8
Copper	270	17.6	11.6	12.1	15.2	15.7	23.8	18.1	24.2	9.71	9.29	4.15
Iron	n/a	27,300	24,600	30,900	20,800	17,000	14,200	33,300	12,800	22,700	7,290	23,900
Potassium	n/a	4,860	709	714	4,060	1,090	975	737	1,420	1,230	825	859
Magnesium	n/a	8,840	2,760	2,660	4,430	3,110	2,260	2,560	2,610	2,570	1,530	2,290
Manganese	2,000	725	300	433	543	363	299	688	413	689	70.8	534
Sodium	n/a	344	81.6	77.1	243	90.0	485	108	724	101	151	113
Nickel	140	27.5	12.6	13.0	22.4	17.0	13.9	16.5	15.2	13.8	9.38	13.4
Lead	400	11.7	9.50	8.62	11.0	8.84	5.63	19.5	7.02	9.36	13.1	10.5
Vanadium	n/a	31.5	18.7	18.7	27.8	14.7	27.3	23.9	21.1	21.7	10.7	46.3
Zinc	2,200	52.9	46.9	48.7	42.3	49.5	19.4	78.6	19.4	47.1	21.0	82
Total Mercury	0.81	-	-	-	-	-	-	-	-	0.07	0.12	0.46

Note: All Concentrations are in milligrams per kilogram (mg/Kg).

TABLE 3
Groundwater Sampling Detections – VOCs, SVOCs, Pesticides and PCBs

333 West 38th Street
New York, NY

COMPOUND	NYSDEC REGULATORY STANDARD	SAMPLE LOCATION		
VOCs (EPA 8260)	**TOGS 111**	**GW-1**	**GW-2**	**GW-FB**
Toluene	5	ND	1.3	ND
SVOCs (EPA 8270)	**TOGS 111**	**GW-1**	**GW-2**	**GW-FB**
Benz(a)anthracene	0.002	0.075	0.042	ND
Chrysene	0.002	0.063	ND	ND
Pesticides (EPA 8081)	**TOGS 111**	**GW-1**	**GW-2**	**GW-FB**
Pesticides	--	None Detected	None Detected	None Detected
PCBs (EPA 8082)	**TOGS 111**	**GW-1**	**GW-2**	**GW-FB**
PCB's	0.09	None Detected	None Detected	None Detected

Notes:
All concentrations are in micrograms per liter (ug/L)
Results of all other compounds within their designated analyte groups were non-detectable
ND = Compound not detected.
NA = Not Available
FB = Field Blank

TABLE 4
Groundwater Sampling Results – Metals

333 West 38th Street
New York, NY

TAL METALS	TOGS-1.1.1 Ambient Values	GW-1	GW-1 (Filtered)	GW-2	GW-2 (Filtered)	GW-FB	GW-FB (Filtered)
Silver	0.05	ND	ND	ND	ND	ND	ND
Aluminum	0.1	**31.8**	**0.33**	**1.22**	**0.14**	ND	ND
Arsenic	0.025	0.011	ND	0.005	0.007	ND	ND
Barium	1.0	**1.30**	0.094	0.095	0.102	ND	ND
Beryllium	0.011	0.004	ND	ND	ND	ND	ND
Calcium	n/a	189	93.5	99.3	145	0.033	0.01
Cadmium	0.005	0.001	ND	ND	ND	ND	ND
Cobalt	0.005	**0.057**	ND	ND	ND	ND	ND
Chromium	0.05	**0.180**	ND	0.007	ND	ND	ND
Copper	0.2	**0.212**	ND	0.015	ND	ND	ND
Iron	0.3	**56.9**	0.150	**4.02**	**4.12**	0.013	ND
Potassium	n/a	22.2	12.6	9.8	14.5	ND	0.3
Magnesium	35	**51.1**	15.3	30.1	**45.0**	ND	ND
Manganese	0.3	**11.9**	**0.623**	**1.61**	**1.76**	ND	ND
Sodium	20	14.1	13.7	**47.8**	**71.8**	ND	ND
Nickel	0.2	0.166	0.007	0.011	0.008	0.001	0.001
Lead	0.05	0.038	ND	ND	ND	0.003	ND
Vanadium	0.014	**0.073**	ND	ND	ND	ND	ND
Zinc	0.066	0.208	0.002	0.045	0.008	0.016	0.012
Mercury	0.0014	ND	ND	ND	ND	ND	ND

Notes:
TOGS 1.1.1 = Technical and Operational Guidance Series (1.1.1).
All Concentrations are reported in milligrams per liter (mg/L).
ND = Analyte not detected above method detection limit.
Values in **bold** exceed the NYSDEC ambient groundwater limits.

TABLE 5
Soil Vapor Sampling Analytical Results

333 West 38th Street
New York, NY

Sample Designation	SV-1	SV-2	SV-3
Sample Type	Soil Vapor	Soil Vapor	Soil Vapor
Carbon Tetrachloride	ND	ND	ND
NYSDOH Matrices Decision	NFA	NFA	NFA
1,1,1-Trichloroethane	2.13	1.15	ND
NYSDOH Matrices Decision	NFA	NFA	NFA
Tetrachloroethene	ND	6.17	37.5
NYSDOH Matrices Decision	NFA	NFA	NFA
Trichloroethene	ND	6.93	20.0
NYSDOH Matrices Decision	NFA	NFA	NFA

Notes:

All concentrations are in micrograms per cubic meter.

ND = Not Detected above the method detection limit.

NFA = No Further Action required by NYSDOH Soil Vapor/Indoor Air Matrix 1.

TABLE 6
Soil Cleanup Objectives

333 West 38th Street, New York, NY

Soil Cleanup Objectives - from Tables 375-6.8 (a) and (b)			
COMPOUND	**CAS Number**	**Track 1 - 375-6.8(a) Unrestricted Use SCO**	**Track 2 – 375-6.8(b) Residential Use SCO**
Arsenic	7440-38-2	13	16
Barium	7440-39-3	350	350
Beryllium	7440-41-7	7.2	14
Cadmium	7440-43-9	2.5	2.5
Chromium, hexavalent	18540-29-9	1	22
Chromium, trivalent	16065-83-1	30	36
Copper	7440-50-8	50	270
Total Cyanide		27	27
Lead	7439-92-1	63	400
Manganese	7439-96-5	1600	2,000
Total Mercury		0.18	0.81
Nickel	7440-02-0	30	140
Selenium	7782-49-2	3.9	36
Silver	7440-22-4	2	36
Zinc	7440-66-6	109	2,200
PCBs/Pesticides	**CAS Number**	**Track 1 - Unrestricted Use**	**Track 2 - Residential Use**
2,4,5-TP Acid (Silvex)	93-72-1	3.8	58
4,4'-DDE	72-55-9	0.0033	1.8
4,4'-DDT	50-29-3	0.0033	1.7
4,4'-DDD	72-54-8	0.0033	2.6
Aldrin	309-00-2	0.005	0.019

TABLE 7

Sampling Containers, Preservation and Holding Times

PARAMETER	MATRIX	CONTAINER	PRESERVATION	HOLDING TIMES
TCL Volatiles	Aqueous	40 ml. VOA vial w/TFE lined septum cap	HCl (Pre-Preserved) 4°C	10 days
TCL Volatiles	Soils	2oz Glass Wide- mouth w/TFE lined cap	4°C	7 Days
TCL Semi-Volatiles	Aqueous	1 Liter Amber glass w/TFE lined cap	4°C	5 days until extraction 40 days from extraction until analysis (1)
TCL Semi-Volatiles	Soils	8 oz Glass Wide-mouth w/TFE lined cap	4°C	5 days until extraction 40 days from extraction until analysis (1)
TCL Pest/PCBs	Aqueous	1 Liter Amber glass w/TFE lined cap	None	5 days until extraction 40 days from extraction until analysis (1)
TCL Pest/PCBs	Soils	8 oz Glass Wide-mouth w/TFE lined cap	None	5 days until extraction 40 days from extraction until analysis (1)
TAL Metals (total)	Aqueous	250 ml Plastic (Pre-Preserved)	HNO_3 to pH<2.0	Hg 28 days All other metals 6 months
TAL Metals	Soil	8 oz Glass Wide-mouth w/TFE lined cap	4°C	Hg 28 days All other metals 6 months

Notes:

(1): Technical Times (time from sample collection until sample analysis) will be used to audit results.
TCL: Target Compound List
TAL: Target Analyte List

TABLE 8

Site-Specific Standards, Criteria and Guidance

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

APPENDICES

APPENDIX A

Soil Boring Logs

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

SOIL BORING LOG

Client: Optima Real Estate
Site: 333 West 38th Street
New York, NY

Soil Boring Designation: **SB-1**
Sub-Contractor: AARCO Environmental
Field Scientist: Scott Davidow

DEPTH (Feet)	DESCRIPTION	REMARKS
0-4'	light brown - grey clay	SB-1S, SB-1D collected 0'-2'
4'-8'	light brown - grey clay	brick at 8'
8'-12'	grey clay 8'-12'	
12'-16'	red-brown clay 12'-14'	SB-1 collected 12'-14'
16'-20'		
20'-24'		

Notes: SB-1S, SB-1D collected at 0'-2'
SB-1 collected at 12'-14'
Groundwater at 14' below basement floor.
PID Readings: 0.0

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

SOIL BORING LOG

Client: Optima Real Estate
Site: 333 West 38th Street
New York, NY

Soil Boring Designation: **SB-2**
Sub-Contractor: AARCO Environmental
Field Scientist Scott Davidow

DEPTH (Feet)	DESCRIPTION	REMARKS
0-4'	0'-1' coarse grey sand. 1'-4' light brown clay	SB-2S collected 0'-2'
4'-8'	4'-5' grey clay. 5'-8' red-brown clay	
8'-12'	8'-12' red-brown clay	
12'-16'	12'-15' red clay. 15'-16' medium brown sand	SB-2 collected 12'-14'
16'-20'		
20'-24'		

Notes: SB-2S collected at 0'-2'
SB-2 collected at 12'-14'
Groundwater at 14' below basement floor.
PID Readings: 0.0

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

SOIL BORING LOG

Client: Optima Real Estate
Site: 333 West 38th Street
New York, NY

Soil Boring Designation: **SB-3**
Sub-Contractor: AARCO Environmental
Field Scientist: Scott Davidow

DEPTH (Feet)	DESCRIPTION	REMARKS
0-4'		Refusal at four attempted locations
4'-8'		Possible concrete slab
8'-12'		
12'-16'		
16'-20'		
20'-24'		

Notes: Boring attempted at four nearby locations. Refusal due to concrete.

PID Readings: 0.0

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

SOIL BORING LOG

Client: Optima Real Estate
Site: 333 West 38th Street
New York, NY

Soil Boring Designation: **SB-4**
Sub-Contractor: AARCO Environmental
Field Scientist: Scott Davidow

DEPTH (Feet)	DESCRIPTION	REMARKS
0-4'	0'-2' light-medium brown sand. 2'-4' grey clay	SB-4S collected 0'-2'
4'-8'	4'-7' medium-coarse brown sand. 7'-8' grey clay	
8'-12'	8'-11' coarse brown sand. 11'-12' rock	
12'-16'	12'-16' grey clay	SB-4 collected 12'-14'
16'-20'		
20'-24'		

Notes: SB-4S collected at 0'-2'
SB-4 collected at 12'-14'
Groundwater at 14' below basement floor.
PID Readings: 0.0

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

SOIL BORING LOG

Client: Optima Real Estate
Site: 333 West 38th Street
New York, NY

Soil Boring Designation: **SB-5**
Field Scientist: Scott Davidow
Sub-Contractor: AARCO Environmental

DEPTH (Feet)	DESCRIPTION	REMARKS
0-4'	0'-2' medium brown sand. 2'-3' brown clay	3'-4' medium brown sand. SB-5S collected 0'-2'
4'-8'	4'-6' brown clay. 6'-8' fine brown sand	
8'-12'	8'-12' coarse brown sand with rock	
12'-16'	12'-14' medium brown sand. 14'-16' coarse brown sand	SB-5 collected 12'-14'
16'-20'		
20'-24'		

Notes: SB-5S collected at 0'-2'
SB-5 collected at 12'-14'
Groundwater at 14' below basement floor.
PID Readings: 0.0

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

SOIL BORING LOG

Client: Optima Real Estate
Site: 333 West 38th Street
New York, NY

Soil Boring Designation: SB-6
Sub-Contractor: AARCO Environmental
Field Scientist: Scott Davidow

DEPTH (Feet)	DESCRIPTION	REMARKS
0-4'	0'-2' medium brown sand. 2'-4' light brown-grey clay	SB-6S collected 0'-2'
4'-8'	4'-7' light brown-grey clay. 7'-8' fine brown sand	
8'-12'	8'-9' fine brown sand. 9'-10' rock. 10'-12' fine brown sand	
12'-16'	12'-13' fine brown sand. 13'-14' medium brown sand.	14'-16' brown clay. SB-6 collected 12'-14'
16'-20'		
20'-24'		

Notes: SB-6S collected at 0'-2'
SB-6 collected at 12'-14'
Groundwater at 14' below basement floor.
PID Readings: 0.0

APPENDIX B

Soil and Groundwater Analytical Report

PHOENIX
Environmental Laboratories, Inc.

Friday, July 06, 2012

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

Project ID: 333 WEST 38TH ST.
Sample ID#s: BB90994 - BB91007

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 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

July 06, 2012

SDG I.D.: GBB90994

BB90994 - Client provided soil jar for volatile analysis. Phoenix prepared sample per method 5035.
BB90995 - Client provided soil jar for volatile analysis. Phoenix prepared sample per method 5035.
BB90996 - Client provided soil jar for volatile analysis. Phoenix prepared sample per method 5035.
BB90997 - Client provided soil jar for volatile analysis. Phoenix prepared sample per method 5035.
BB90998 - Client provided soil jar for volatile analysis. Phoenix prepared sample per method 5035.
BB90999 - Client provided soil jar for volatile analysis. Phoenix prepared sample per method 5035.
BB91000 - Client provided soil jar for volatile analysis. Phoenix prepared sample per method 5035.
BB91001 - Client provided soil jar for volatile analysis. Phoenix prepared sample per method 5035.
BB91002 - Client provided soil jar for volatile analysis. Phoenix prepared sample per method 5035.
BB91003 - Client provided soil jar for volatile analysis. Phoenix prepared sample per method 5035.
BB91004 - Client provided soil jar for volatile analysis. Phoenix prepared sample per method 5035.

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 06, 2012

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

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	SD	05/24/12	0:00
Location Code:	GALLI-ENG	Received by:	LB	05/29/12	17:39
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBB90994
Phoenix ID: BB90994

Project ID: 333 WEST 38TH ST.
Client ID: SB-1

Parameter	Result	RL	Units	Date/Time	By	Reference
Silver	< 0.38	0.38	mg/Kg	05/31/12	EK	SW6010
Aluminum	13300	57	mg/Kg	06/04/12	EK	SW6010
Arsenic	0.83	0.75	mg/Kg	05/31/12	EK	SW6010
Barium	171	0.38	mg/Kg	05/31/12	EK	SW6010
Beryllium	0.84	0.30	mg/Kg	05/31/12	EK	SW6010
Calcium	15900	57	mg/Kg	06/01/12	LK	SW6010
Cadmium	< 0.38	0.38	mg/Kg	05/31/12	EK	SW6010
Cobalt	11.7	0.38	mg/Kg	05/31/12	EK	SW6010
Chromium	29.6	0.38	mg/Kg	05/31/12	EK	SW6010
Copper	17.6	0.38	mg/kg	05/31/12	EK	SW6010
Iron	27300	57	mg/Kg	06/01/12	LK	SW6010
Mercury	< 0.10	0.10	mg/Kg	05/31/12	RS	SW-7471
Potassium	4860	57	mg/Kg	06/01/12	LK	SW6010
Magnesium	8840	57	mg/Kg	06/01/12	LK	SW6010
Manganese	725	3.8	mg/Kg	06/01/12	LK	SW6010
Sodium	344	5.7	mg/Kg	05/31/12	EK	SW6010
Nickel	27.5	0.38	mg/Kg	05/31/12	EK	SW6010
Lead	11.7	0.38	mg/Kg	05/31/12	EK	SW6010
Antimony	< 3.8	3.8	mg/Kg	05/31/12	EK	SW6010
Selenium	< 1.5	1.5	mg/Kg	05/31/12	EK	SW6010
Thallium	< 3.4	3.4	mg/Kg	05/31/12	EK	SW6010
Total Metals Digest	Completed			05/29/12	AG	SW846 - 3050
Vanadium	31.5	0.38	mg/Kg	05/31/12	EK	SW6010
Zinc	52.9	0.38	mg/Kg	05/31/12	EK	SW6010
Percent Solid	78		%	05/29/12	JL	E160.3
Soil Extraction for PCB	Completed			05/29/12	BB	SW3545
Soil Extraction for Pesticide	Completed			05/29/12	BB/F	SW3545
Soil Extraction for SVOA	Completed			05/29/12	BS/F	SW3545

Project ID: 333 WEST 38TH ST.
Client ID: SB-1

Phoenix I.D.: BB90994

Parameter	Result	RL	Units	Date/Time	By	Reference	
Mercury Digestion	Completed			05/31/12	X/X	SW7471	
Polychlorinated Biphenyls							
PCB-1016	ND	420	ug/Kg	05/30/12	MH	SW 8082	
PCB-1221	ND	420	ug/Kg	05/30/12	MH	SW 8082	
PCB-1232	ND	420	ug/Kg	05/30/12	MH	SW 8082	
PCB-1242	ND	420	ug/Kg	05/30/12	MH	SW 8082	
PCB-1248	ND	420	ug/Kg	05/30/12	MH	SW 8082	
PCB-1254	ND	420	ug/Kg	05/30/12	MH	SW 8082	
PCB-1260	ND	420	ug/Kg	05/30/12	MH	SW 8082	
PCB-1262	ND	420	ug/Kg	05/30/12	MH	SW 8082	
PCB-1268	ND	420	ug/Kg	05/30/12	MH	SW 8082	
QA/QC Surrogates							
% DCBP	90		%	05/30/12	MH	30 - 150 %	
% TCMX	99		%	05/30/12	MH	30 - 150 %	
Pesticides							
4,4' -DDD	ND	41	ug/Kg	05/31/12	KCA	SW8081	
4,4' -DDE	ND	41	ug/Kg	05/31/12	KCA	SW8081	
4,4' -DDT	ND	41	ug/Kg	05/31/12	KCA	SW8081	
a-BHC	ND	20	ug/Kg	05/31/12	KCA	SW8081	
Alachlor	ND	20	ug/Kg	05/31/12	KCA	SW8081	1
Aldrin	ND	6.4	ug/Kg	05/31/12	KCA	SW8081	
b-BHC	ND	20	ug/Kg	05/31/12	KCA	SW8081	
Chlordane	ND	64	ug/Kg	05/31/12	KCA	SW8081	
d-BHC	ND	20	ug/Kg	05/31/12	KCA	SW8081	
Dieldrin	ND	6.4	ug/Kg	05/31/12	KCA	SW8081	
Endosulfan I	ND	20	ug/Kg	05/31/12	KCA	SW8081	
Endosulfan II	ND	41	ug/Kg	05/31/12	KCA	SW8081	
Endosulfan sulfate	ND	41	ug/Kg	05/31/12	KCA	SW8081	
Endrin	ND	41	ug/Kg	05/31/12	KCA	SW8081	
Endrin aldehyde	ND	41	ug/Kg	05/31/12	KCA	SW8081	
Endrin ketone	ND	41	ug/Kg	05/31/12	KCA	SW8081	
g-BHC	ND	6.4	ug/Kg	05/31/12	KCA	SW8081	
Heptachlor	ND	13	ug/Kg	05/31/12	KCA	SW8081	
Heptachlor epoxide	ND	20	ug/Kg	05/31/12	KCA	SW8081	
Methoxychlor	ND	200	ug/Kg	05/31/12	KCA	SW8081	
Toxaphene	ND	200	ug/Kg	05/31/12	KCA	SW8081	
QA/QC Surrogates							
% DCBP	83		%	05/31/12	KCA	30 - 150 %	
% TCMX	90		%	05/31/12	KCA	30 - 150 %	
Volatiles							
1,1,1,2-Tetrachloroethane	ND	6.4	ug/Kg	05/31/12	R/J	SW8260	
1,1,1-Trichloroethane	ND	6.4	ug/Kg	05/31/12	R/J	SW8260	
1,1,2,2-Tetrachloroethane	ND	6.4	ug/Kg	05/31/12	R/J	SW8260	
1,1,2-Trichloroethane	ND	6.4	ug/Kg	05/31/12	R/J	SW8260	
1,1-Dichloroethane	ND	6.4	ug/Kg	05/31/12	R/J	SW8260	
1,1-Dichloroethene	ND	6.4	ug/Kg	05/31/12	R/J	SW8260	
1,1-Dichloropropene	ND	6.4	ug/Kg	05/31/12	R/J	SW8260	
1,2,3-Trichlorobenzene	ND	6.4	ug/Kg	05/31/12	R/J	SW8260	1

Project ID: 333 WEST 38TH ST.
Client ID: SB-1

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Parameter	Result	RL	Units	Date/Time	By	Reference	
1,2,3-Trichloropropane	ND	6.4	ug/Kg	05/31/12	R/J	SW8260	
1,2,4-Trichlorobenzene	ND	6.4	ug/Kg	05/31/12	R/J	SW8260	
1,2,4-Trimethylbenzene	ND	6.4	ug/Kg	05/31/12	R/J	SW8260	
1,2-Dibromo-3-chloropropane	ND	6.4	ug/Kg	05/31/12	R/J	SW8260	
1,2-Dibromoethane	ND	6.4	ug/Kg	05/31/12	R/J	SW8260	1P
1,2-Dichlorobenzene	ND	6.4	ug/Kg	05/31/12	R/J	SW8260	
1,2-Dichloroethane	ND	6.4	ug/Kg	05/31/12	R/J	SW8260	
1,2-Dichloropropane	ND	6.4	ug/Kg	05/31/12	R/J	SW8260	
1,3,5-Trimethylbenzene	ND	6.4	ug/Kg	05/31/12	R/J	SW8260	
1,3-Dichlorobenzene	ND	6.4	ug/Kg	05/31/12	R/J	SW8260	
1,3-Dichloropropane	ND	6.4	ug/Kg	05/31/12	R/J	SW8260	
1,4-Dichlorobenzene	ND	6.4	ug/Kg	05/31/12	R/J	SW8260	
2,2-Dichloropropane	ND	6.4	ug/Kg	05/31/12	R/J	SW8260	
2-Chlorotoluene	ND	6.4	ug/Kg	05/31/12	R/J	SW8260	
2-Hexanone	ND	32	ug/Kg	05/31/12	R/J	SW8260	
2-Isopropyltoluene	ND	6.4	ug/Kg	05/31/12	R/J	SW8260	1
4-Chlorotoluene	ND	6.4	ug/Kg	05/31/12	R/J	SW8260	
4-Methyl-2-pentanone	ND	32	ug/Kg	05/31/12	R/J	SW8260	
Acetone	ND	32	ug/Kg	05/31/12	R/J	SW8260	
Acrylonitrile	ND	13	ug/Kg	05/31/12	R/J	SW8260	
Benzene	ND	6.4	ug/Kg	05/31/12	R/J	SW8260	
Bromobenzene	ND	6.4	ug/Kg	05/31/12	R/J	SW8260	
Bromochloromethane	ND	6.4	ug/Kg	05/31/12	R/J	SW8260	
Bromodichloromethane	ND	6.4	ug/Kg	05/31/12	R/J	SW8260	
Bromoform	ND	6.4	ug/Kg	05/31/12	R/J	SW8260	
Bromomethane	ND	6.4	ug/Kg	05/31/12	R/J	SW8260	
Carbon Disulfide	ND	6.4	ug/Kg	05/31/12	R/J	SW8260	
Carbon tetrachloride	ND	6.4	ug/Kg	05/31/12	R/J	SW8260	
Chlorobenzene	ND	6.4	ug/Kg	05/31/12	R/J	SW8260	
Chloroethane	ND	6.4	ug/Kg	05/31/12	R/J	SW8260	
Chloroform	ND	6.4	ug/Kg	05/31/12	R/J	SW8260	
Chloromethane	ND	6.4	ug/Kg	05/31/12	R/J	SW8260	
cis-1,2-Dichloroethene	ND	6.4	ug/Kg	05/31/12	R/J	SW8260	
cis-1,3-Dichloropropene	ND	6.4	ug/Kg	05/31/12	R/J	SW8260	1
Dibromochloromethane	ND	6.4	ug/Kg	05/31/12	R/J	SW8260	
Dibromomethane	ND	6.4	ug/Kg	05/31/12	R/J	SW8260	
Dichlorodifluoromethane	ND	6.4	ug/Kg	05/31/12	R/J	SW8260	
Ethylbenzene	ND	6.4	ug/Kg	05/31/12	R/J	SW8260	
Hexachlorobutadiene	ND	6.4	ug/Kg	05/31/12	R/J	SW8260	1P
Isopropylbenzene	ND	6.4	ug/Kg	05/31/12	R/J	SW8260	
m&p-Xylene	ND	6.4	ug/Kg	05/31/12	R/J	SW8260	
Methyl Ethyl Ketone	ND	32	ug/Kg	05/31/12	R/J	SW8260	
Methyl t-butyl ether (MTBE)	ND	13	ug/Kg	05/31/12	R/J	SW8260	
Methylene chloride	ND	6.4	ug/Kg	05/31/12	R/J	SW8260	
Naphthalene	ND	6.4	ug/Kg	05/31/12	R/J	SW8260	
n-Butylbenzene	ND	6.4	ug/Kg	05/31/12	R/J	SW8260	
n-Propylbenzene	ND	6.4	ug/Kg	05/31/12	R/J	SW8260	
o-Xylene	ND	6.4	ug/Kg	05/31/12	R/J	SW8260	
p-Isopropyltoluene	ND	6.4	ug/Kg	05/31/12	R/J	SW8260	
sec-Butylbenzene	ND	6.4	ug/Kg	05/31/12	R/J	SW8260	

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Parameter	Result	RL	Units	Date/Time	By	Reference	
Styrene	ND	6.4	ug/Kg	05/31/12	R/J	SW8260	
tert-Butylbenzene	ND	6.4	ug/Kg	05/31/12	R/J	SW8260	
Tetrachloroethene	ND	6.4	ug/Kg	05/31/12	R/J	SW8260	
Tetrahydrofuran (THF)	ND	13	ug/Kg	05/31/12	R/J	SW8260	1
Toluene	ND	6.4	ug/Kg	05/31/12	R/J	SW8260	
Total Xylenes	ND	6.4	ug/Kg	05/31/12	R/J	SW8260	
trans-1,2-Dichloroethene	ND	6.4	ug/Kg	05/31/12	R/J	SW8260	
trans-1,3-Dichloropropene	ND	6.4	ug/Kg	05/31/12	R/J	SW8260	
trans-1,4-dichloro-2-butene	ND	13	ug/Kg	05/31/12	R/J	SW8260	
Trichloroethene	ND	6.4	ug/Kg	05/31/12	R/J	SW8260	
Trichlorofluoromethane	ND	6.4	ug/Kg	05/31/12	R/J	SW8260	
Trichlorotrifluoroethane	ND	6.4	ug/Kg	05/31/12	R/J	SW8260	
Vinyl chloride	ND	6.4	ug/Kg	05/31/12	R/J	SW8260	
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	100		%	05/31/12	R/J	70 - 130 %	
% Bromofluorobenzene	89		%	05/31/12	R/J	70 - 130 %	
% Dibromofluoromethane	98		%	05/31/12	R/J	70 - 130 %	
% Toluene-d8	102		%	05/31/12	R/J	70 - 130 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	300	ug/Kg	05/30/12	DD	SW 8270
1,2,4-Trichlorobenzene	ND	300	ug/Kg	05/30/12	DD	SW 8270
1,2-Dichlorobenzene	ND	300	ug/Kg	05/30/12	DD	SW 8270
1,3-Dichlorobenzene	ND	300	ug/Kg	05/30/12	DD	SW 8270
1,4-Dichlorobenzene	ND	300	ug/Kg	05/30/12	DD	SW 8270
2,4,5-Trichlorophenol	ND	300	ug/Kg	05/30/12	DD	SW 8270
2,4,6-Trichlorophenol	ND	300	ug/Kg	05/30/12	DD	SW 8270
2,4-Dichlorophenol	ND	300	ug/Kg	05/30/12	DD	SW 8270
2,4-Dimethylphenol	ND	300	ug/Kg	05/30/12	DD	SW 8270
2,4-Dinitrophenol	ND	680	ug/Kg	05/30/12	DD	SW 8270
2,4-Dinitrotoluene	ND	300	ug/Kg	05/30/12	DD	SW 8270
2,6-Dinitrotoluene	ND	300	ug/Kg	05/30/12	DD	SW 8270
2-Chloronaphthalene	ND	300	ug/Kg	05/30/12	DD	SW 8270
2-Chlorophenol	ND	300	ug/Kg	05/30/12	DD	SW 8270
2-Methylnaphthalene	ND	300	ug/Kg	05/30/12	DD	SW 8270
2-Methylphenol (o-cresol)	ND	300	ug/Kg	05/30/12	DD	SW 8270
2-Nitroaniline	ND	680	ug/Kg	05/30/12	DD	SW 8270
2-Nitrophenol	ND	300	ug/Kg	05/30/12	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	420	ug/Kg	05/30/12	DD	SW 8270
3,3'-Dichlorobenzidine	ND	300	ug/Kg	05/30/12	DD	SW 8270
3-Nitroaniline	ND	680	ug/Kg	05/30/12	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1200	ug/Kg	05/30/12	DD	SW 8270
4-Bromophenyl phenyl ether	ND	420	ug/Kg	05/30/12	DD	SW 8270
4-Chloro-3-methylphenol	ND	300	ug/Kg	05/30/12	DD	SW 8270
4-Chloroaniline	ND	300	ug/Kg	05/30/12	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	300	ug/Kg	05/30/12	DD	SW 8270
4-Nitroaniline	ND	680	ug/Kg	05/30/12	DD	SW 8270
4-Nitrophenol	ND	1200	ug/Kg	05/30/12	DD	SW 8270
Acenaphthene	ND	300	ug/Kg	05/30/12	DD	SW 8270
Acenaphthylene	ND	300	ug/Kg	05/30/12	DD	SW 8270

Project ID: 333 WEST 38TH ST.
Client ID: SB-1

Phoenix I.D.: BB90994

Parameter	Result	RL	Units	Date/Time	By	Reference	
Acetophenone	ND	300	ug/Kg	05/30/12	DD	SW 8270	
Aniline	ND	1200	ug/Kg	05/30/12	DD	SW 8270	LO
Anthracene	ND	300	ug/Kg	05/30/12	DD	SW 8270	
Azobenzene	ND	420	ug/Kg	05/30/12	DD	SW 8270	1
Benz(a)anthracene	ND	300	ug/Kg	05/30/12	DD	SW 8270	
Benzidine	ND	510	ug/Kg	05/30/12	DD	SW 8270	
Benzo(a)pyrene	ND	300	ug/Kg	05/30/12	DD	SW 8270	
Benzo(b)fluoranthene	ND	300	ug/Kg	05/30/12	DD	SW 8270	
Benzo(ghi)perylene	ND	300	ug/Kg	05/30/12	DD	SW 8270	
Benzo(k)fluoranthene	ND	300	ug/Kg	05/30/12	DD	SW 8270	
Benzoic acid	ND	1200	ug/Kg	05/30/12	DD	SW 8270	LO
Benzyl butyl phthalate	ND	300	ug/Kg	05/30/12	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	300	ug/Kg	05/30/12	DD	SW 8270	
Bis(2-chloroethyl)ether	ND	420	ug/Kg	05/30/12	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	300	ug/Kg	05/30/12	DD	SW 8270	
Bis(2-ethylhexyl)phthalate	ND	300	ug/Kg	05/30/12	DD	SW 8270	
Carbazole	ND	640	ug/Kg	05/30/12	DD	SW 8270	
Chrysene	ND	300	ug/Kg	05/30/12	DD	SW 8270	
Dibenz(a,h)anthracene	ND	300	ug/Kg	05/30/12	DD	SW 8270	
Dibenzofuran	ND	300	ug/Kg	05/30/12	DD	SW 8270	
Diethyl phthalate	ND	300	ug/Kg	05/30/12	DD	SW 8270	
Dimethylphthalate	ND	300	ug/Kg	05/30/12	DD	SW 8270	
Di-n-butylphthalate	ND	300	ug/Kg	05/30/12	DD	SW 8270	
Di-n-octylphthalate	ND	300	ug/Kg	05/30/12	DD	SW 8270	
Fluoranthene	ND	300	ug/Kg	05/30/12	DD	SW 8270	
Fluorene	ND	300	ug/Kg	05/30/12	DD	SW 8270	
Hexachlorobenzene	ND	300	ug/Kg	05/30/12	DD	SW 8270	
Hexachlorobutadiene	ND	300	ug/Kg	05/30/12	DD	SW 8270	
Hexachlorocyclopentadiene	ND	300	ug/Kg	05/30/12	DD	SW 8270	
Hexachloroethane	ND	300	ug/Kg	05/30/12	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND	300	ug/Kg	05/30/12	DD	SW 8270	
Isophorone	ND	300	ug/Kg	05/30/12	DD	SW 8270	
Naphthalene	ND	300	ug/Kg	05/30/12	DD	SW 8270	
Nitrobenzene	ND	300	ug/Kg	05/30/12	DD	SW 8270	
N-Nitrosodimethylamine	ND	420	ug/Kg	05/30/12	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	300	ug/Kg	05/30/12	DD	SW 8270	
N-Nitrosodiphenylamine	ND	420	ug/Kg	05/30/12	DD	SW 8270	
Pentachloronitrobenzene	ND	420	ug/Kg	05/30/12	DD	SW 8270	
Pentachlorophenol	ND	420	ug/Kg	05/30/12	DD	SW 8270	
Phenanthrene	ND	300	ug/Kg	05/30/12	DD	SW 8270	
Phenol	ND	300	ug/Kg	05/30/12	DD	SW 8270	
Pyrene	ND	300	ug/Kg	05/30/12	DD	SW 8270	
Pyridine	ND	420	ug/Kg	05/30/12	DD	SW 8270	
QA/QC Surrogates							
% 2,4,6-Tribromophenol	93		%	05/30/12	DD	15 - 130 %	
% 2-Fluorobiphenyl	72		%	05/30/12	DD	30 - 130 %	
% 2-Fluorophenol	78		%	05/30/12	DD	15 - 130 %	
% Nitrobenzene-d5	78		%	05/30/12	DD	30 - 130 %	
% Phenol-d5	79		%	05/30/12	DD	15 - 130 %	
% Terphenyl-d14	95		%	05/30/12	DD	30 - 130 %	

Project ID: 333 WEST 38TH ST.
Client ID: SB-1

Phoenix I.D.: BB90994

Parameter	Result	RL	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.
1P = This parameter is pending certification by NY NELAC for this matrix.
1O = This parameter is not certified by NY NELAC for this matrix.

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

Comments:

All soils 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 06, 2012
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

Analysis Report

July 06, 2012

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

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	SD	05/24/12	0:00
Location Code:	GALLI-ENG	Received by:	LB	05/29/12	17:39
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBB90994
Phoenix ID: BB90995

Project ID: 333 WEST 38TH ST.
Client ID: SB-1S

Parameter	Result	RL	Units	Date/Time	By	Reference
Silver	< 0.38	0.38	mg/Kg	05/31/12	EK	SW6010
Aluminum	11400	57	mg/Kg	06/04/12	EK	SW6010
Arsenic	3.41	0.76	mg/Kg	05/31/12	EK	SW6010
Barium	45.6	0.38	mg/Kg	05/31/12	EK	SW6010
Beryllium	0.38	0.31	mg/Kg	05/31/12	EK	SW6010
Calcium	1150	5.7	mg/Kg	05/31/12	EK	SW6010
Cadmium	< 0.38	0.38	mg/Kg	05/31/12	EK	SW6010
Cobalt	6.95	0.38	mg/Kg	05/31/12	EK	SW6010
Chromium	13.6	0.38	mg/Kg	05/31/12	EK	SW6010
Copper	11.6	0.38	mg/kg	05/31/12	EK	SW6010
Iron	24600	57	mg/Kg	06/01/12	LK	SW6010
Mercury	< 0.09	0.09	mg/Kg	05/31/12	RS	SW-7471
Potassium	709	57	mg/Kg	06/01/12	LK	SW6010
Magnesium	2760	5.7	mg/Kg	05/31/12	EK	SW6010
Manganese	300	3.8	mg/Kg	06/01/12	LK	SW6010
Sodium	81.6	5.7	mg/Kg	05/31/12	EK	SW6010
Nickel	12.6	0.38	mg/Kg	05/31/12	EK	SW6010
Lead	9.50	0.38	mg/Kg	05/31/12	EK	SW6010
Antimony	< 3.8	3.8	mg/Kg	05/31/12	EK	SW6010
Selenium	< 1.5	1.5	mg/Kg	05/31/12	EK	SW6010
Thallium	< 3.4	3.4	mg/Kg	05/31/12	EK	SW6010
Total Metals Digest	Completed			05/29/12	AG	SW846 - 3050
Vanadium	18.7	0.38	mg/Kg	05/31/12	EK	SW6010
Zinc	46.9	0.38	mg/Kg	05/31/12	EK	SW6010
Percent Solid	85		%	05/29/12	JL	E160.3
Soil Extraction for PCB	Completed			05/29/12	BB	SW3545
Soil Extraction for Pesticide	Completed			05/29/12	BB/F	SW3545
Soil Extraction for SVOA	Completed			05/29/12	BS/F	SW3545

Project ID: 333 WEST 38TH ST.
Client ID: SB-1S

Phoenix I.D.: BB90995

Parameter	Result	RL	Units	Date/Time	By	Reference	
Mercury Digestion	Completed			05/31/12	X/X	SW7471	
Polychlorinated Biphenyls							
PCB-1016	ND	390	ug/Kg	05/30/12	MH	SW 8082	
PCB-1221	ND	390	ug/Kg	05/30/12	MH	SW 8082	
PCB-1232	ND	390	ug/Kg	05/30/12	MH	SW 8082	
PCB-1242	ND	390	ug/Kg	05/30/12	MH	SW 8082	
PCB-1248	ND	390	ug/Kg	05/30/12	MH	SW 8082	
PCB-1254	ND	390	ug/Kg	05/30/12	MH	SW 8082	
PCB-1260	ND	390	ug/Kg	05/30/12	MH	SW 8082	
PCB-1262	ND	390	ug/Kg	05/30/12	MH	SW 8082	
PCB-1268	ND	390	ug/Kg	05/30/12	MH	SW 8082	
QA/QC Surrogates							
% DCBP	92		%	05/30/12	MH	30 - 150 %	
% TCMX	99		%	05/30/12	MH	30 - 150 %	
Pesticides							
4,4' -DDD	ND	37	ug/Kg	05/31/12	KCA	SW8081	
4,4' -DDE	ND	37	ug/Kg	05/31/12	KCA	SW8081	
4,4' -DDT	ND	37	ug/Kg	05/31/12	KCA	SW8081	
a-BHC	ND	19	ug/Kg	05/31/12	KCA	SW8081	
Alachlor	ND	19	ug/Kg	05/31/12	KCA	SW8081	1
Aldrin	ND	5.8	ug/Kg	05/31/12	KCA	SW8081	
b-BHC	ND	19	ug/Kg	05/31/12	KCA	SW8081	
Chlordane	ND	58	ug/Kg	05/31/12	KCA	SW8081	
d-BHC	ND	19	ug/Kg	05/31/12	KCA	SW8081	
Dieldrin	ND	5.8	ug/Kg	05/31/12	KCA	SW8081	
Endosulfan I	ND	19	ug/Kg	05/31/12	KCA	SW8081	
Endosulfan II	ND	37	ug/Kg	05/31/12	KCA	SW8081	
Endosulfan sulfate	ND	37	ug/Kg	05/31/12	KCA	SW8081	
Endrin	ND	37	ug/Kg	05/31/12	KCA	SW8081	
Endrin aldehyde	ND	37	ug/Kg	05/31/12	KCA	SW8081	
Endrin ketone	ND	37	ug/Kg	05/31/12	KCA	SW8081	
g-BHC	ND	5.8	ug/Kg	05/31/12	KCA	SW8081	
Heptachlor	ND	12	ug/Kg	05/31/12	KCA	SW8081	
Heptachlor epoxide	ND	19	ug/Kg	05/31/12	KCA	SW8081	
Methoxychlor	ND	190	ug/Kg	05/31/12	KCA	SW8081	
Toxaphene	ND	190	ug/Kg	05/31/12	KCA	SW8081	
QA/QC Surrogates							
% DCBP	84		%	05/31/12	KCA	30 - 150 %	
% TCMX	104		%	05/31/12	KCA	30 - 150 %	
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.9	ug/Kg	05/31/12	R/J	SW8260	
1,1,1-Trichloroethane	ND	5.9	ug/Kg	05/31/12	R/J	SW8260	
1,1,2,2-Tetrachloroethane	ND	5.9	ug/Kg	05/31/12	R/J	SW8260	
1,1,2-Trichloroethane	ND	5.9	ug/Kg	05/31/12	R/J	SW8260	
1,1-Dichloroethane	ND	5.9	ug/Kg	05/31/12	R/J	SW8260	
1,1-Dichloroethene	ND	5.9	ug/Kg	05/31/12	R/J	SW8260	
1,1-Dichloropropene	ND	5.9	ug/Kg	05/31/12	R/J	SW8260	
1,2,3-Trichlorobenzene	ND	5.9	ug/Kg	05/31/12	R/J	SW8260	1

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Parameter	Result	RL	Units	Date/Time	By	Reference	
1,2,3-Trichloropropane	ND	5.9	ug/Kg	05/31/12	R/J	SW8260	
1,2,4-Trichlorobenzene	ND	5.9	ug/Kg	05/31/12	R/J	SW8260	
1,2,4-Trimethylbenzene	ND	5.9	ug/Kg	05/31/12	R/J	SW8260	
1,2-Dibromo-3-chloropropane	ND	5.9	ug/Kg	05/31/12	R/J	SW8260	
1,2-Dibromoethane	ND	5.9	ug/Kg	05/31/12	R/J	SW8260	LP
1,2-Dichlorobenzene	ND	5.9	ug/Kg	05/31/12	R/J	SW8260	
1,2-Dichloroethane	ND	5.9	ug/Kg	05/31/12	R/J	SW8260	
1,2-Dichloropropane	ND	5.9	ug/Kg	05/31/12	R/J	SW8260	
1,3,5-Trimethylbenzene	ND	5.9	ug/Kg	05/31/12	R/J	SW8260	
1,3-Dichlorobenzene	ND	5.9	ug/Kg	05/31/12	R/J	SW8260	
1,3-Dichloropropane	ND	5.9	ug/Kg	05/31/12	R/J	SW8260	
1,4-Dichlorobenzene	ND	5.9	ug/Kg	05/31/12	R/J	SW8260	
2,2-Dichloropropane	ND	5.9	ug/Kg	05/31/12	R/J	SW8260	
2-Chlorotoluene	ND	5.9	ug/Kg	05/31/12	R/J	SW8260	
2-Hexanone	ND	29	ug/Kg	05/31/12	R/J	SW8260	
2-Isopropyltoluene	ND	5.9	ug/Kg	05/31/12	R/J	SW8260	1
4-Chlorotoluene	ND	5.9	ug/Kg	05/31/12	R/J	SW8260	
4-Methyl-2-pentanone	ND	29	ug/Kg	05/31/12	R/J	SW8260	
Acetone	ND	29	ug/Kg	05/31/12	R/J	SW8260	
Acrylonitrile	ND	12	ug/Kg	05/31/12	R/J	SW8260	
Benzene	ND	5.9	ug/Kg	05/31/12	R/J	SW8260	
Bromobenzene	ND	5.9	ug/Kg	05/31/12	R/J	SW8260	
Bromochloromethane	ND	5.9	ug/Kg	05/31/12	R/J	SW8260	
Bromodichloromethane	ND	5.9	ug/Kg	05/31/12	R/J	SW8260	
Bromoform	ND	5.9	ug/Kg	05/31/12	R/J	SW8260	
Bromomethane	ND	5.9	ug/Kg	05/31/12	R/J	SW8260	
Carbon Disulfide	ND	5.9	ug/Kg	05/31/12	R/J	SW8260	
Carbon tetrachloride	ND	5.9	ug/Kg	05/31/12	R/J	SW8260	
Chlorobenzene	ND	5.9	ug/Kg	05/31/12	R/J	SW8260	
Chloroethane	ND	5.9	ug/Kg	05/31/12	R/J	SW8260	
Chloroform	ND	5.9	ug/Kg	05/31/12	R/J	SW8260	
Chloromethane	ND	5.9	ug/Kg	05/31/12	R/J	SW8260	
cis-1,2-Dichloroethene	ND	5.9	ug/Kg	05/31/12	R/J	SW8260	
cis-1,3-Dichloropropene	ND	5.9	ug/Kg	05/31/12	R/J	SW8260	1
Dibromochloromethane	ND	5.9	ug/Kg	05/31/12	R/J	SW8260	
Dibromomethane	ND	5.9	ug/Kg	05/31/12	R/J	SW8260	
Dichlorodifluoromethane	ND	5.9	ug/Kg	05/31/12	R/J	SW8260	
Ethylbenzene	ND	5.9	ug/Kg	05/31/12	R/J	SW8260	
Hexachlorobutadiene	ND	5.9	ug/Kg	05/31/12	R/J	SW8260	LP
Isopropylbenzene	ND	5.9	ug/Kg	05/31/12	R/J	SW8260	
m&p-Xylene	ND	5.9	ug/Kg	05/31/12	R/J	SW8260	
Methyl Ethyl Ketone	ND	29	ug/Kg	05/31/12	R/J	SW8260	
Methyl t-butyl ether (MTBE)	ND	12	ug/Kg	05/31/12	R/J	SW8260	
Methylene chloride	ND	5.9	ug/Kg	05/31/12	R/J	SW8260	
Naphthalene	ND	5.9	ug/Kg	05/31/12	R/J	SW8260	
n-Butylbenzene	ND	5.9	ug/Kg	05/31/12	R/J	SW8260	
n-Propylbenzene	ND	5.9	ug/Kg	05/31/12	R/J	SW8260	
o-Xylene	ND	5.9	ug/Kg	05/31/12	R/J	SW8260	
p-Isopropyltoluene	ND	5.9	ug/Kg	05/31/12	R/J	SW8260	
sec-Butylbenzene	ND	5.9	ug/Kg	05/31/12	R/J	SW8260	

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Parameter	Result	RL	Units	Date/Time	By	Reference	
Styrene	ND	5.9	ug/Kg	05/31/12	R/J	SW8260	
tert-Butylbenzene	ND	5.9	ug/Kg	05/31/12	R/J	SW8260	
Tetrachloroethene	ND	5.9	ug/Kg	05/31/12	R/J	SW8260	
Tetrahydrofuran (THF)	ND	12	ug/Kg	05/31/12	R/J	SW8260	1
Toluene	ND	5.9	ug/Kg	05/31/12	R/J	SW8260	
Total Xylenes	ND	5.9	ug/Kg	05/31/12	R/J	SW8260	
trans-1,2-Dichloroethene	ND	5.9	ug/Kg	05/31/12	R/J	SW8260	
trans-1,3-Dichloropropene	ND	5.9	ug/Kg	05/31/12	R/J	SW8260	
trans-1,4-dichloro-2-butene	ND	12	ug/Kg	05/31/12	R/J	SW8260	
Trichloroethene	ND	5.9	ug/Kg	05/31/12	R/J	SW8260	
Trichlorofluoromethane	ND	5.9	ug/Kg	05/31/12	R/J	SW8260	
Trichlorotrifluoroethane	ND	5.9	ug/Kg	05/31/12	R/J	SW8260	
Vinyl chloride	ND	5.9	ug/Kg	05/31/12	R/J	SW8260	
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	100		%	05/31/12	R/J	70 - 130 %	
% Bromofluorobenzene	90		%	05/31/12	R/J	70 - 130 %	
% Dibromofluoromethane	94		%	05/31/12	R/J	70 - 130 %	
% Toluene-d8	103		%	05/31/12	R/J	70 - 130 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	270	ug/Kg	05/30/12	DD	SW 8270
1,2,4-Trichlorobenzene	ND	270	ug/Kg	05/30/12	DD	SW 8270
1,2-Dichlorobenzene	ND	270	ug/Kg	05/30/12	DD	SW 8270
1,3-Dichlorobenzene	ND	270	ug/Kg	05/30/12	DD	SW 8270
1,4-Dichlorobenzene	ND	270	ug/Kg	05/30/12	DD	SW 8270
2,4,5-Trichlorophenol	ND	270	ug/Kg	05/30/12	DD	SW 8270
2,4,6-Trichlorophenol	ND	270	ug/Kg	05/30/12	DD	SW 8270
2,4-Dichlorophenol	ND	270	ug/Kg	05/30/12	DD	SW 8270
2,4-Dimethylphenol	ND	270	ug/Kg	05/30/12	DD	SW 8270
2,4-Dinitrophenol	ND	620	ug/Kg	05/30/12	DD	SW 8270
2,4-Dinitrotoluene	ND	270	ug/Kg	05/30/12	DD	SW 8270
2,6-Dinitrotoluene	ND	270	ug/Kg	05/30/12	DD	SW 8270
2-Chloronaphthalene	ND	270	ug/Kg	05/30/12	DD	SW 8270
2-Chlorophenol	ND	270	ug/Kg	05/30/12	DD	SW 8270
2-Methylnaphthalene	ND	270	ug/Kg	05/30/12	DD	SW 8270
2-Methylphenol (o-cresol)	ND	270	ug/Kg	05/30/12	DD	SW 8270
2-Nitroaniline	ND	620	ug/Kg	05/30/12	DD	SW 8270
2-Nitrophenol	ND	270	ug/Kg	05/30/12	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	390	ug/Kg	05/30/12	DD	SW 8270
3,3'-Dichlorobenzidine	ND	270	ug/Kg	05/30/12	DD	SW 8270
3-Nitroaniline	ND	620	ug/Kg	05/30/12	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1100	ug/Kg	05/30/12	DD	SW 8270
4-Bromophenyl phenyl ether	ND	390	ug/Kg	05/30/12	DD	SW 8270
4-Chloro-3-methylphenol	ND	270	ug/Kg	05/30/12	DD	SW 8270
4-Chloroaniline	ND	270	ug/Kg	05/30/12	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	270	ug/Kg	05/30/12	DD	SW 8270
4-Nitroaniline	ND	620	ug/Kg	05/30/12	DD	SW 8270
4-Nitrophenol	ND	1100	ug/Kg	05/30/12	DD	SW 8270
Acenaphthene	ND	270	ug/Kg	05/30/12	DD	SW 8270
Acenaphthylene	ND	270	ug/Kg	05/30/12	DD	SW 8270

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Parameter	Result	RL	Units	Date/Time	By	Reference	
Acetophenone	ND	270	ug/Kg	05/30/12	DD	SW 8270	
Aniline	ND	1100	ug/Kg	05/30/12	DD	SW 8270	LO
Anthracene	ND	270	ug/Kg	05/30/12	DD	SW 8270	
Azobenzene	ND	390	ug/Kg	05/30/12	DD	SW 8270	1
Benz(a)anthracene	ND	270	ug/Kg	05/30/12	DD	SW 8270	
Benzidine	ND	470	ug/Kg	05/30/12	DD	SW 8270	
Benzo(a)pyrene	ND	270	ug/Kg	05/30/12	DD	SW 8270	
Benzo(b)fluoranthene	ND	270	ug/Kg	05/30/12	DD	SW 8270	
Benzo(ghi)perylene	ND	270	ug/Kg	05/30/12	DD	SW 8270	
Benzo(k)fluoranthene	ND	270	ug/Kg	05/30/12	DD	SW 8270	
Benzoic acid	ND	1100	ug/Kg	05/30/12	DD	SW 8270	LO
Benzyl butyl phthalate	ND	270	ug/Kg	05/30/12	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	270	ug/Kg	05/30/12	DD	SW 8270	
Bis(2-chloroethyl)ether	ND	390	ug/Kg	05/30/12	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	270	ug/Kg	05/30/12	DD	SW 8270	
Bis(2-ethylhexyl)phthalate	ND	270	ug/Kg	05/30/12	DD	SW 8270	
Carbazole	ND	580	ug/Kg	05/30/12	DD	SW 8270	
Chrysene	ND	270	ug/Kg	05/30/12	DD	SW 8270	
Dibenz(a,h)anthracene	ND	270	ug/Kg	05/30/12	DD	SW 8270	
Dibenzofuran	ND	270	ug/Kg	05/30/12	DD	SW 8270	
Diethyl phthalate	ND	270	ug/Kg	05/30/12	DD	SW 8270	
Dimethylphthalate	ND	270	ug/Kg	05/30/12	DD	SW 8270	
Di-n-butylphthalate	ND	270	ug/Kg	05/30/12	DD	SW 8270	
Di-n-octylphthalate	ND	270	ug/Kg	05/30/12	DD	SW 8270	
Fluoranthene	ND	270	ug/Kg	05/30/12	DD	SW 8270	
Fluorene	ND	270	ug/Kg	05/30/12	DD	SW 8270	
Hexachlorobenzene	ND	270	ug/Kg	05/30/12	DD	SW 8270	
Hexachlorobutadiene	ND	270	ug/Kg	05/30/12	DD	SW 8270	
Hexachlorocyclopentadiene	ND	270	ug/Kg	05/30/12	DD	SW 8270	
Hexachloroethane	ND	270	ug/Kg	05/30/12	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND	270	ug/Kg	05/30/12	DD	SW 8270	
Isophorone	ND	270	ug/Kg	05/30/12	DD	SW 8270	
Naphthalene	ND	270	ug/Kg	05/30/12	DD	SW 8270	
Nitrobenzene	ND	270	ug/Kg	05/30/12	DD	SW 8270	
N-Nitrosodimethylamine	ND	390	ug/Kg	05/30/12	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	270	ug/Kg	05/30/12	DD	SW 8270	
N-Nitrosodiphenylamine	ND	390	ug/Kg	05/30/12	DD	SW 8270	
Pentachloronitrobenzene	ND	390	ug/Kg	05/30/12	DD	SW 8270	
Pentachlorophenol	ND	390	ug/Kg	05/30/12	DD	SW 8270	
Phenanthrene	ND	270	ug/Kg	05/30/12	DD	SW 8270	
Phenol	ND	270	ug/Kg	05/30/12	DD	SW 8270	
Pyrene	ND	270	ug/Kg	05/30/12	DD	SW 8270	
Pyridine	ND	390	ug/Kg	05/30/12	DD	SW 8270	
QA/QC Surrogates							
% 2,4,6-Tribromophenol	94		%	05/30/12	DD	15 - 130 %	
% 2-Fluorobiphenyl	83		%	05/30/12	DD	30 - 130 %	
% 2-Fluorophenol	81		%	05/30/12	DD	15 - 130 %	
% Nitrobenzene-d5	88		%	05/30/12	DD	30 - 130 %	
% Phenol-d5	83		%	05/30/12	DD	15 - 130 %	
% Terphenyl-d14	99		%	05/30/12	DD	30 - 130 %	

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Parameter	Result	RL	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.
1P = This parameter is pending certification by NY NELAC for this matrix.
1O = This parameter is not certified by NY NELAC for this matrix.

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

Comments:

All soils 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 06, 2012
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

Analysis Report

July 06, 2012

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

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	SD	05/24/12	0:00
Location Code:	GALLI-ENG	Received by:	LB	05/29/12	17:39
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBB90994
Phoenix ID: BB90996

Project ID: 333 WEST 38TH ST.
Client ID: SB-1D

Parameter	Result	RL	Units	Date/Time	By	Reference
Silver	< 0.37	0.37	mg/Kg	05/31/12	EK	SW6010
Aluminum	11500	55	mg/Kg	06/04/12	EK	SW6010
Arsenic	5.89	0.73	mg/Kg	05/31/12	EK	SW6010
Barium	53.8	0.37	mg/Kg	05/31/12	EK	SW6010
Beryllium	0.45	0.29	mg/Kg	05/31/12	EK	SW6010
Calcium	1090	5.5	mg/Kg	05/31/12	EK	SW6010
Cadmium	< 0.37	0.37	mg/Kg	05/31/12	EK	SW6010
Cobalt	7.51	0.37	mg/Kg	05/31/12	EK	SW6010
Chromium	17.1	0.37	mg/Kg	05/31/12	EK	SW6010
Copper	12.1	0.37	mg/kg	05/31/12	EK	SW6010
Iron	30900	55	mg/Kg	06/01/12	LK	SW6010
Mercury	< 0.09	0.09	mg/Kg	05/31/12	RS	SW-7471
Potassium	714	5.5	mg/Kg	05/31/12	EK	SW6010
Magnesium	2660	5.5	mg/Kg	05/31/12	EK	SW6010
Manganese	433	3.7	mg/Kg	06/01/12	LK	SW6010
Sodium	77.1	5.5	mg/Kg	05/31/12	EK	SW6010
Nickel	13.0	0.37	mg/Kg	05/31/12	EK	SW6010
Lead	8.62	0.37	mg/Kg	05/31/12	EK	SW6010
Antimony	< 3.7	3.7	mg/Kg	05/31/12	EK	SW6010
Selenium	< 1.5	1.5	mg/Kg	05/31/12	EK	SW6010
Thallium	< 3.3	3.3	mg/Kg	05/31/12	EK	SW6010
Total Metals Digest	Completed			05/29/12	AG	SW846 - 3050
Vanadium	18.7	0.37	mg/Kg	05/31/12	EK	SW6010
Zinc	48.7	0.37	mg/Kg	05/31/12	EK	SW6010
Percent Solid	84		%	05/29/12	JL	E160.3
Soil Extraction for PCB	Completed			05/29/12	BB	SW3545
Soil Extraction for Pesticide	Completed			05/29/12	BB/F	SW3545
Soil Extraction for SVOA	Completed			05/29/12	BS/F	SW3545

Project ID: 333 WEST 38TH ST.
Client ID: SB-1D

Phoenix I.D.: BB90996

Parameter	Result	RL	Units	Date/Time	By	Reference	
Mercury Digestion	Completed			05/31/12	X/X	SW7471	
Polychlorinated Biphenyls							
PCB-1016	ND	390	ug/Kg	05/30/12	MH	SW 8082	
PCB-1221	ND	390	ug/Kg	05/30/12	MH	SW 8082	
PCB-1232	ND	390	ug/Kg	05/30/12	MH	SW 8082	
PCB-1242	ND	390	ug/Kg	05/30/12	MH	SW 8082	
PCB-1248	ND	390	ug/Kg	05/30/12	MH	SW 8082	
PCB-1254	ND	390	ug/Kg	05/30/12	MH	SW 8082	
PCB-1260	ND	390	ug/Kg	05/30/12	MH	SW 8082	
PCB-1262	ND	390	ug/Kg	05/30/12	MH	SW 8082	
PCB-1268	ND	390	ug/Kg	05/30/12	MH	SW 8082	
QA/QC Surrogates							
% DCBP	90		%	05/30/12	MH	30 - 150 %	
% TCMX	98		%	05/30/12	MH	30 - 150 %	
Pesticides							
4,4' -DDD	ND	37	ug/Kg	05/31/12	KCA	SW8081	
4,4' -DDE	ND	37	ug/Kg	05/31/12	KCA	SW8081	
4,4' -DDT	ND	37	ug/Kg	05/31/12	KCA	SW8081	
a-BHC	ND	19	ug/Kg	05/31/12	KCA	SW8081	
Alachlor	ND	19	ug/Kg	05/31/12	KCA	SW8081	1
Aldrin	ND	5.8	ug/Kg	05/31/12	KCA	SW8081	
b-BHC	ND	19	ug/Kg	05/31/12	KCA	SW8081	
Chlordane	ND	58	ug/Kg	05/31/12	KCA	SW8081	
d-BHC	ND	19	ug/Kg	05/31/12	KCA	SW8081	
Dieldrin	ND	5.8	ug/Kg	05/31/12	KCA	SW8081	
Endosulfan I	ND	19	ug/Kg	05/31/12	KCA	SW8081	
Endosulfan II	ND	37	ug/Kg	05/31/12	KCA	SW8081	
Endosulfan sulfate	ND	37	ug/Kg	05/31/12	KCA	SW8081	
Endrin	ND	37	ug/Kg	05/31/12	KCA	SW8081	
Endrin aldehyde	ND	37	ug/Kg	05/31/12	KCA	SW8081	
Endrin ketone	ND	37	ug/Kg	05/31/12	KCA	SW8081	
g-BHC	ND	5.8	ug/Kg	05/31/12	KCA	SW8081	
Heptachlor	ND	12	ug/Kg	05/31/12	KCA	SW8081	
Heptachlor epoxide	ND	19	ug/Kg	05/31/12	KCA	SW8081	
Methoxychlor	ND	190	ug/Kg	05/31/12	KCA	SW8081	
Toxaphene	ND	190	ug/Kg	05/31/12	KCA	SW8081	
QA/QC Surrogates							
% DCBP	64		%	05/31/12	KCA	30 - 150 %	
% TCMX	98		%	05/31/12	KCA	30 - 150 %	
Volatiles							
1,1,1,2-Tetrachloroethane	ND	6.0	ug/Kg	05/31/12	R/J	SW8260	
1,1,1-Trichloroethane	ND	6.0	ug/Kg	05/31/12	R/J	SW8260	
1,1,2,2-Tetrachloroethane	ND	6.0	ug/Kg	05/31/12	R/J	SW8260	
1,1,2-Trichloroethane	ND	6.0	ug/Kg	05/31/12	R/J	SW8260	
1,1-Dichloroethane	ND	6.0	ug/Kg	05/31/12	R/J	SW8260	
1,1-Dichloroethene	ND	6.0	ug/Kg	05/31/12	R/J	SW8260	
1,1-Dichloropropene	ND	6.0	ug/Kg	05/31/12	R/J	SW8260	
1,2,3-Trichlorobenzene	ND	6.0	ug/Kg	05/31/12	R/J	SW8260	1

Project ID: 333 WEST 38TH ST.
Client ID: SB-1D

Phoenix I.D.: BB90996

Parameter	Result	RL	Units	Date/Time	By	Reference	
1,2,3-Trichloropropane	ND	6.0	ug/Kg	05/31/12	R/J	SW8260	
1,2,4-Trichlorobenzene	ND	6.0	ug/Kg	05/31/12	R/J	SW8260	
1,2,4-Trimethylbenzene	ND	6.0	ug/Kg	05/31/12	R/J	SW8260	
1,2-Dibromo-3-chloropropane	ND	6.0	ug/Kg	05/31/12	R/J	SW8260	
1,2-Dibromoethane	ND	6.0	ug/Kg	05/31/12	R/J	SW8260	1P
1,2-Dichlorobenzene	ND	6.0	ug/Kg	05/31/12	R/J	SW8260	
1,2-Dichloroethane	ND	6.0	ug/Kg	05/31/12	R/J	SW8260	
1,2-Dichloropropane	ND	6.0	ug/Kg	05/31/12	R/J	SW8260	
1,3,5-Trimethylbenzene	ND	6.0	ug/Kg	05/31/12	R/J	SW8260	
1,3-Dichlorobenzene	ND	6.0	ug/Kg	05/31/12	R/J	SW8260	
1,3-Dichloropropane	ND	6.0	ug/Kg	05/31/12	R/J	SW8260	
1,4-Dichlorobenzene	ND	6.0	ug/Kg	05/31/12	R/J	SW8260	
2,2-Dichloropropane	ND	6.0	ug/Kg	05/31/12	R/J	SW8260	
2-Chlorotoluene	ND	6.0	ug/Kg	05/31/12	R/J	SW8260	
2-Hexanone	ND	30	ug/Kg	05/31/12	R/J	SW8260	
2-Isopropyltoluene	ND	6.0	ug/Kg	05/31/12	R/J	SW8260	1
4-Chlorotoluene	ND	6.0	ug/Kg	05/31/12	R/J	SW8260	
4-Methyl-2-pentanone	ND	30	ug/Kg	05/31/12	R/J	SW8260	
Acetone	ND	30	ug/Kg	05/31/12	R/J	SW8260	
Acrylonitrile	ND	12	ug/Kg	05/31/12	R/J	SW8260	
Benzene	ND	6.0	ug/Kg	05/31/12	R/J	SW8260	
Bromobenzene	ND	6.0	ug/Kg	05/31/12	R/J	SW8260	
Bromochloromethane	ND	6.0	ug/Kg	05/31/12	R/J	SW8260	
Bromodichloromethane	ND	6.0	ug/Kg	05/31/12	R/J	SW8260	
Bromoform	ND	6.0	ug/Kg	05/31/12	R/J	SW8260	
Bromomethane	ND	6.0	ug/Kg	05/31/12	R/J	SW8260	
Carbon Disulfide	ND	6.0	ug/Kg	05/31/12	R/J	SW8260	
Carbon tetrachloride	ND	6.0	ug/Kg	05/31/12	R/J	SW8260	
Chlorobenzene	ND	6.0	ug/Kg	05/31/12	R/J	SW8260	
Chloroethane	ND	6.0	ug/Kg	05/31/12	R/J	SW8260	
Chloroform	ND	6.0	ug/Kg	05/31/12	R/J	SW8260	
Chloromethane	ND	6.0	ug/Kg	05/31/12	R/J	SW8260	
cis-1,2-Dichloroethene	ND	6.0	ug/Kg	05/31/12	R/J	SW8260	
cis-1,3-Dichloropropene	ND	6.0	ug/Kg	05/31/12	R/J	SW8260	1
Dibromochloromethane	ND	6.0	ug/Kg	05/31/12	R/J	SW8260	
Dibromomethane	ND	6.0	ug/Kg	05/31/12	R/J	SW8260	
Dichlorodifluoromethane	ND	6.0	ug/Kg	05/31/12	R/J	SW8260	
Ethylbenzene	ND	6.0	ug/Kg	05/31/12	R/J	SW8260	
Hexachlorobutadiene	ND	6.0	ug/Kg	05/31/12	R/J	SW8260	1P
Isopropylbenzene	ND	6.0	ug/Kg	05/31/12	R/J	SW8260	
m&p-Xylene	ND	6.0	ug/Kg	05/31/12	R/J	SW8260	
Methyl Ethyl Ketone	ND	30	ug/Kg	05/31/12	R/J	SW8260	
Methyl t-butyl ether (MTBE)	ND	12	ug/Kg	05/31/12	R/J	SW8260	
Methylene chloride	ND	6.0	ug/Kg	05/31/12	R/J	SW8260	
Naphthalene	ND	6.0	ug/Kg	05/31/12	R/J	SW8260	
n-Butylbenzene	ND	6.0	ug/Kg	05/31/12	R/J	SW8260	
n-Propylbenzene	ND	6.0	ug/Kg	05/31/12	R/J	SW8260	
o-Xylene	ND	6.0	ug/Kg	05/31/12	R/J	SW8260	
p-Isopropyltoluene	ND	6.0	ug/Kg	05/31/12	R/J	SW8260	
sec-Butylbenzene	ND	6.0	ug/Kg	05/31/12	R/J	SW8260	

Parameter	Result	RL	Units	Date/Time	By	Reference	
Styrene	ND	6.0	ug/Kg	05/31/12	R/J	SW8260	
tert-Butylbenzene	ND	6.0	ug/Kg	05/31/12	R/J	SW8260	
Tetrachloroethene	ND	6.0	ug/Kg	05/31/12	R/J	SW8260	
Tetrahydrofuran (THF)	ND	12	ug/Kg	05/31/12	R/J	SW8260	1
Toluene	ND	6.0	ug/Kg	05/31/12	R/J	SW8260	
Total Xylenes	ND	6.0	ug/Kg	05/31/12	R/J	SW8260	
trans-1,2-Dichloroethene	ND	6.0	ug/Kg	05/31/12	R/J	SW8260	
trans-1,3-Dichloropropene	ND	6.0	ug/Kg	05/31/12	R/J	SW8260	
trans-1,4-dichloro-2-butene	ND	12	ug/Kg	05/31/12	R/J	SW8260	
Trichloroethene	ND	6.0	ug/Kg	05/31/12	R/J	SW8260	
Trichlorofluoromethane	ND	6.0	ug/Kg	05/31/12	R/J	SW8260	
Trichlorotrifluoroethane	ND	6.0	ug/Kg	05/31/12	R/J	SW8260	
Vinyl chloride	ND	6.0	ug/Kg	05/31/12	R/J	SW8260	
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	100		%	05/31/12	R/J	70 - 130 %	
% Bromofluorobenzene	90		%	05/31/12	R/J	70 - 130 %	
% Dibromofluoromethane	99		%	05/31/12	R/J	70 - 130 %	
% Toluene-d8	104		%	05/31/12	R/J	70 - 130 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	270	ug/Kg	05/30/12	DD	SW 8270
1,2,4-Trichlorobenzene	ND	270	ug/Kg	05/30/12	DD	SW 8270
1,2-Dichlorobenzene	ND	270	ug/Kg	05/30/12	DD	SW 8270
1,3-Dichlorobenzene	ND	270	ug/Kg	05/30/12	DD	SW 8270
1,4-Dichlorobenzene	ND	270	ug/Kg	05/30/12	DD	SW 8270
2,4,5-Trichlorophenol	ND	270	ug/Kg	05/30/12	DD	SW 8270
2,4,6-Trichlorophenol	ND	270	ug/Kg	05/30/12	DD	SW 8270
2,4-Dichlorophenol	ND	270	ug/Kg	05/30/12	DD	SW 8270
2,4-Dimethylphenol	ND	270	ug/Kg	05/30/12	DD	SW 8270
2,4-Dinitrophenol	ND	620	ug/Kg	05/30/12	DD	SW 8270
2,4-Dinitrotoluene	ND	270	ug/Kg	05/30/12	DD	SW 8270
2,6-Dinitrotoluene	ND	270	ug/Kg	05/30/12	DD	SW 8270
2-Chloronaphthalene	ND	270	ug/Kg	05/30/12	DD	SW 8270
2-Chlorophenol	ND	270	ug/Kg	05/30/12	DD	SW 8270
2-Methylnaphthalene	ND	270	ug/Kg	05/30/12	DD	SW 8270
2-Methylphenol (o-cresol)	ND	270	ug/Kg	05/30/12	DD	SW 8270
2-Nitroaniline	ND	620	ug/Kg	05/30/12	DD	SW 8270
2-Nitrophenol	ND	270	ug/Kg	05/30/12	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	390	ug/Kg	05/30/12	DD	SW 8270
3,3'-Dichlorobenzidine	ND	270	ug/Kg	05/30/12	DD	SW 8270
3-Nitroaniline	ND	620	ug/Kg	05/30/12	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1100	ug/Kg	05/30/12	DD	SW 8270
4-Bromophenyl phenyl ether	ND	390	ug/Kg	05/30/12	DD	SW 8270
4-Chloro-3-methylphenol	ND	270	ug/Kg	05/30/12	DD	SW 8270
4-Chloroaniline	ND	270	ug/Kg	05/30/12	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	270	ug/Kg	05/30/12	DD	SW 8270
4-Nitroaniline	ND	620	ug/Kg	05/30/12	DD	SW 8270
4-Nitrophenol	ND	1100	ug/Kg	05/30/12	DD	SW 8270
Acenaphthene	ND	270	ug/Kg	05/30/12	DD	SW 8270
Acenaphthylene	ND	270	ug/Kg	05/30/12	DD	SW 8270

Project ID: 333 WEST 38TH ST.
Client ID: SB-1D

Phoenix I.D.: BB90996

Parameter	Result	RL	Units	Date/Time	By	Reference	
Acetophenone	ND	270	ug/Kg	05/30/12	DD	SW 8270	
Aniline	ND	1100	ug/Kg	05/30/12	DD	SW 8270	LO
Anthracene	ND	270	ug/Kg	05/30/12	DD	SW 8270	
Azobenzene	ND	390	ug/Kg	05/30/12	DD	SW 8270	1
Benz(a)anthracene	ND	270	ug/Kg	05/30/12	DD	SW 8270	
Benzidine	ND	460	ug/Kg	05/30/12	DD	SW 8270	
Benzo(a)pyrene	ND	270	ug/Kg	05/30/12	DD	SW 8270	
Benzo(b)fluoranthene	ND	270	ug/Kg	05/30/12	DD	SW 8270	
Benzo(ghi)perylene	ND	270	ug/Kg	05/30/12	DD	SW 8270	
Benzo(k)fluoranthene	ND	270	ug/Kg	05/30/12	DD	SW 8270	
Benzoic acid	ND	1100	ug/Kg	05/30/12	DD	SW 8270	LO
Benzyl butyl phthalate	ND	270	ug/Kg	05/30/12	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	270	ug/Kg	05/30/12	DD	SW 8270	
Bis(2-chloroethyl)ether	ND	390	ug/Kg	05/30/12	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	270	ug/Kg	05/30/12	DD	SW 8270	
Bis(2-ethylhexyl)phthalate	ND	270	ug/Kg	05/30/12	DD	SW 8270	
Carbazole	ND	580	ug/Kg	05/30/12	DD	SW 8270	
Chrysene	ND	270	ug/Kg	05/30/12	DD	SW 8270	
Dibenz(a,h)anthracene	ND	270	ug/Kg	05/30/12	DD	SW 8270	
Dibenzofuran	ND	270	ug/Kg	05/30/12	DD	SW 8270	
Diethyl phthalate	ND	270	ug/Kg	05/30/12	DD	SW 8270	
Dimethylphthalate	ND	270	ug/Kg	05/30/12	DD	SW 8270	
Di-n-butylphthalate	ND	270	ug/Kg	05/30/12	DD	SW 8270	
Di-n-octylphthalate	ND	270	ug/Kg	05/30/12	DD	SW 8270	
Fluoranthene	ND	270	ug/Kg	05/30/12	DD	SW 8270	
Fluorene	ND	270	ug/Kg	05/30/12	DD	SW 8270	
Hexachlorobenzene	ND	270	ug/Kg	05/30/12	DD	SW 8270	
Hexachlorobutadiene	ND	270	ug/Kg	05/30/12	DD	SW 8270	
Hexachlorocyclopentadiene	ND	270	ug/Kg	05/30/12	DD	SW 8270	
Hexachloroethane	ND	270	ug/Kg	05/30/12	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND	270	ug/Kg	05/30/12	DD	SW 8270	
Isophorone	ND	270	ug/Kg	05/30/12	DD	SW 8270	
Naphthalene	ND	270	ug/Kg	05/30/12	DD	SW 8270	
Nitrobenzene	ND	270	ug/Kg	05/30/12	DD	SW 8270	
N-Nitrosodimethylamine	ND	390	ug/Kg	05/30/12	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	270	ug/Kg	05/30/12	DD	SW 8270	
N-Nitrosodiphenylamine	ND	390	ug/Kg	05/30/12	DD	SW 8270	
Pentachloronitrobenzene	ND	390	ug/Kg	05/30/12	DD	SW 8270	
Pentachlorophenol	ND	390	ug/Kg	05/30/12	DD	SW 8270	
Phenanthrene	ND	270	ug/Kg	05/30/12	DD	SW 8270	
Phenol	ND	270	ug/Kg	05/30/12	DD	SW 8270	
Pyrene	ND	270	ug/Kg	05/30/12	DD	SW 8270	
Pyridine	ND	390	ug/Kg	05/30/12	DD	SW 8270	
QA/QC Surrogates							
% 2,4,6-Tribromophenol	79		%	05/30/12	DD	15 - 130 %	
% 2-Fluorobiphenyl	62		%	05/30/12	DD	30 - 130 %	
% 2-Fluorophenol	68		%	05/30/12	DD	15 - 130 %	
% Nitrobenzene-d5	74		%	05/30/12	DD	30 - 130 %	
% Phenol-d5	71		%	05/30/12	DD	15 - 130 %	
% Terphenyl-d14	74		%	05/30/12	DD	30 - 130 %	

Project ID: 333 WEST 38TH ST.
Client ID: SB-1D

Phoenix I.D.: BB90996

Parameter	Result	RL	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.
1P = This parameter is pending certification by NY NELAC for this matrix.
1O = This parameter is not certified by NY NELAC for this matrix.

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

Comments:

All soils 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 06, 2012
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

Analysis Report

July 06, 2012

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

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	SD	05/24/12	0:00
Location Code:	GALLI-ENG	Received by:	LB	05/29/12	17:39
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBB90994
Phoenix ID: BB90997

Project ID: 333 WEST 38TH ST.
Client ID: SB-2

Parameter	Result	RL	Units	Date/Time	By	Reference
Silver	< 0.37	0.37	mg/Kg	05/31/12	EK	SW6010
Aluminum	11400	56	mg/Kg	06/04/12	EK	SW6010
Arsenic	0.76	0.74	mg/Kg	05/31/12	EK	SW6010
Barium	153	0.37	mg/Kg	05/31/12	EK	SW6010
Beryllium	0.72	0.30	mg/Kg	05/31/12	EK	SW6010
Calcium	3370	5.6	mg/Kg	05/31/12	EK	SW6010
Cadmium	< 0.37	0.37	mg/Kg	05/31/12	EK	SW6010
Cobalt	9.19	0.37	mg/Kg	05/31/12	EK	SW6010
Chromium	25.1	0.37	mg/Kg	05/31/12	EK	SW6010
Copper	15.2	0.37	mg/kg	05/31/12	EK	SW6010
Iron	20800	56	mg/Kg	06/01/12	LK	SW6010
Mercury	< 0.08	0.08	mg/Kg	05/31/12	RS	SW-7471
Potassium	4060	56	mg/Kg	06/01/12	LK	SW6010
Magnesium	4430	5.6	mg/Kg	05/31/12	EK	SW6010
Manganese	543	3.7	mg/Kg	06/01/12	LK	SW6010
Sodium	243	5.6	mg/Kg	05/31/12	EK	SW6010
Nickel	22.4	0.37	mg/Kg	05/31/12	EK	SW6010
Lead	11.0	0.37	mg/Kg	05/31/12	EK	SW6010
Antimony	< 3.7	3.7	mg/Kg	05/31/12	EK	SW6010
Selenium	< 1.5	1.5	mg/Kg	05/31/12	EK	SW6010
Thallium	< 3.3	3.3	mg/Kg	05/31/12	EK	SW6010
Total Metals Digest	Completed			05/29/12	AG	SW846 - 3050
Vanadium	27.8	0.37	mg/Kg	05/31/12	EK	SW6010
Zinc	42.3	0.37	mg/Kg	05/31/12	EK	SW6010
Percent Solid	83		%	05/29/12	JL	E160.3
Soil Extraction for PCB	Completed			05/29/12	BB	SW3545
Soil Extraction for Pesticide	Completed			05/29/12	BB/F	SW3545
Soil Extraction for SVOA	Completed			05/29/12	BS/F	SW3545

Project ID: 333 WEST 38TH ST.
Client ID: SB-2

Phoenix I.D.: BB90997

Parameter	Result	RL	Units	Date/Time	By	Reference	
Mercury Digestion	Completed			05/31/12	X/X	SW7471	
Polychlorinated Biphenyls							
PCB-1016	ND	400	ug/Kg	05/30/12	MH	SW 8082	
PCB-1221	ND	400	ug/Kg	05/30/12	MH	SW 8082	
PCB-1232	ND	400	ug/Kg	05/30/12	MH	SW 8082	
PCB-1242	ND	400	ug/Kg	05/30/12	MH	SW 8082	
PCB-1248	ND	400	ug/Kg	05/30/12	MH	SW 8082	
PCB-1254	ND	400	ug/Kg	05/30/12	MH	SW 8082	
PCB-1260	ND	400	ug/Kg	05/30/12	MH	SW 8082	
PCB-1262	ND	400	ug/Kg	05/30/12	MH	SW 8082	
PCB-1268	ND	400	ug/Kg	05/30/12	MH	SW 8082	
QA/QC Surrogates							
% DCBP	44		%	05/30/12	MH	30 - 150 %	
% TCMX	54		%	05/30/12	MH	30 - 150 %	
Pesticides							
4,4' -DDD	ND	38	ug/Kg	05/31/12	KCA	SW8081	
4,4' -DDE	ND	38	ug/Kg	05/31/12	KCA	SW8081	
4,4' -DDT	ND	38	ug/Kg	05/31/12	KCA	SW8081	
a-BHC	ND	19	ug/Kg	05/31/12	KCA	SW8081	
Alachlor	ND	19	ug/Kg	05/31/12	KCA	SW8081	1
Aldrin	ND	6.0	ug/Kg	05/31/12	KCA	SW8081	
b-BHC	ND	19	ug/Kg	05/31/12	KCA	SW8081	
Chlordane	ND	60	ug/Kg	05/31/12	KCA	SW8081	
d-BHC	ND	19	ug/Kg	05/31/12	KCA	SW8081	
Dieldrin	ND	6.0	ug/Kg	05/31/12	KCA	SW8081	
Endosulfan I	ND	19	ug/Kg	05/31/12	KCA	SW8081	
Endosulfan II	ND	38	ug/Kg	05/31/12	KCA	SW8081	
Endosulfan sulfate	ND	38	ug/Kg	05/31/12	KCA	SW8081	
Endrin	ND	38	ug/Kg	05/31/12	KCA	SW8081	
Endrin aldehyde	ND	38	ug/Kg	05/31/12	KCA	SW8081	
Endrin ketone	ND	38	ug/Kg	05/31/12	KCA	SW8081	
g-BHC	ND	6.0	ug/Kg	05/31/12	KCA	SW8081	
Heptachlor	ND	12	ug/Kg	05/31/12	KCA	SW8081	
Heptachlor epoxide	ND	19	ug/Kg	05/31/12	KCA	SW8081	
Methoxychlor	ND	190	ug/Kg	05/31/12	KCA	SW8081	
Toxaphene	ND	190	ug/Kg	05/31/12	KCA	SW8081	
QA/QC Surrogates							
% DCBP	34		%	05/31/12	KCA	30 - 150 %	
% TCMX	39		%	05/31/12	KCA	30 - 150 %	
Volatiles							
1,1,1,2-Tetrachloroethane	ND	6.0	ug/Kg	05/31/12	R/J	SW8260	
1,1,1-Trichloroethane	ND	6.0	ug/Kg	05/31/12	R/J	SW8260	
1,1,2,2-Tetrachloroethane	ND	6.0	ug/Kg	05/31/12	R/J	SW8260	
1,1,2-Trichloroethane	ND	6.0	ug/Kg	05/31/12	R/J	SW8260	
1,1-Dichloroethane	ND	6.0	ug/Kg	05/31/12	R/J	SW8260	
1,1-Dichloroethene	ND	6.0	ug/Kg	05/31/12	R/J	SW8260	
1,1-Dichloropropene	ND	6.0	ug/Kg	05/31/12	R/J	SW8260	
1,2,3-Trichlorobenzene	ND	6.0	ug/Kg	05/31/12	R/J	SW8260	1

Project ID: 333 WEST 38TH ST.
Client ID: SB-2

Phoenix I.D.: BB90997

Parameter	Result	RL	Units	Date/Time	By	Reference	
1,2,3-Trichloropropane	ND	6.0	ug/Kg	05/31/12	R/J	SW8260	
1,2,4-Trichlorobenzene	ND	6.0	ug/Kg	05/31/12	R/J	SW8260	
1,2,4-Trimethylbenzene	ND	6.0	ug/Kg	05/31/12	R/J	SW8260	
1,2-Dibromo-3-chloropropane	ND	6.0	ug/Kg	05/31/12	R/J	SW8260	
1,2-Dibromoethane	ND	6.0	ug/Kg	05/31/12	R/J	SW8260	1P
1,2-Dichlorobenzene	ND	6.0	ug/Kg	05/31/12	R/J	SW8260	
1,2-Dichloroethane	ND	6.0	ug/Kg	05/31/12	R/J	SW8260	
1,2-Dichloropropane	ND	6.0	ug/Kg	05/31/12	R/J	SW8260	
1,3,5-Trimethylbenzene	ND	6.0	ug/Kg	05/31/12	R/J	SW8260	
1,3-Dichlorobenzene	ND	6.0	ug/Kg	05/31/12	R/J	SW8260	
1,3-Dichloropropane	ND	6.0	ug/Kg	05/31/12	R/J	SW8260	
1,4-Dichlorobenzene	ND	6.0	ug/Kg	05/31/12	R/J	SW8260	
2,2-Dichloropropane	ND	6.0	ug/Kg	05/31/12	R/J	SW8260	
2-Chlorotoluene	ND	6.0	ug/Kg	05/31/12	R/J	SW8260	
2-Hexanone	ND	30	ug/Kg	05/31/12	R/J	SW8260	
2-Isopropyltoluene	ND	6.0	ug/Kg	05/31/12	R/J	SW8260	1
4-Chlorotoluene	ND	6.0	ug/Kg	05/31/12	R/J	SW8260	
4-Methyl-2-pentanone	ND	30	ug/Kg	05/31/12	R/J	SW8260	
Acetone	ND	30	ug/Kg	05/31/12	R/J	SW8260	
Acrylonitrile	ND	12	ug/Kg	05/31/12	R/J	SW8260	
Benzene	ND	6.0	ug/Kg	05/31/12	R/J	SW8260	
Bromobenzene	ND	6.0	ug/Kg	05/31/12	R/J	SW8260	
Bromochloromethane	ND	6.0	ug/Kg	05/31/12	R/J	SW8260	
Bromodichloromethane	ND	6.0	ug/Kg	05/31/12	R/J	SW8260	
Bromoform	ND	6.0	ug/Kg	05/31/12	R/J	SW8260	
Bromomethane	ND	6.0	ug/Kg	05/31/12	R/J	SW8260	
Carbon Disulfide	ND	6.0	ug/Kg	05/31/12	R/J	SW8260	
Carbon tetrachloride	ND	6.0	ug/Kg	05/31/12	R/J	SW8260	
Chlorobenzene	ND	6.0	ug/Kg	05/31/12	R/J	SW8260	
Chloroethane	ND	6.0	ug/Kg	05/31/12	R/J	SW8260	
Chloroform	ND	6.0	ug/Kg	05/31/12	R/J	SW8260	
Chloromethane	ND	6.0	ug/Kg	05/31/12	R/J	SW8260	
cis-1,2-Dichloroethene	ND	6.0	ug/Kg	05/31/12	R/J	SW8260	
cis-1,3-Dichloropropene	ND	6.0	ug/Kg	05/31/12	R/J	SW8260	1
Dibromochloromethane	ND	6.0	ug/Kg	05/31/12	R/J	SW8260	
Dibromomethane	ND	6.0	ug/Kg	05/31/12	R/J	SW8260	
Dichlorodifluoromethane	ND	6.0	ug/Kg	05/31/12	R/J	SW8260	
Ethylbenzene	ND	6.0	ug/Kg	05/31/12	R/J	SW8260	
Hexachlorobutadiene	ND	6.0	ug/Kg	05/31/12	R/J	SW8260	1P
Isopropylbenzene	ND	6.0	ug/Kg	05/31/12	R/J	SW8260	
m&p-Xylene	ND	6.0	ug/Kg	05/31/12	R/J	SW8260	
Methyl Ethyl Ketone	ND	30	ug/Kg	05/31/12	R/J	SW8260	
Methyl t-butyl ether (MTBE)	ND	12	ug/Kg	05/31/12	R/J	SW8260	
Methylene chloride	ND	6.0	ug/Kg	05/31/12	R/J	SW8260	
Naphthalene	ND	6.0	ug/Kg	05/31/12	R/J	SW8260	
n-Butylbenzene	ND	6.0	ug/Kg	05/31/12	R/J	SW8260	
n-Propylbenzene	ND	6.0	ug/Kg	05/31/12	R/J	SW8260	
o-Xylene	ND	6.0	ug/Kg	05/31/12	R/J	SW8260	
p-Isopropyltoluene	ND	6.0	ug/Kg	05/31/12	R/J	SW8260	
sec-Butylbenzene	ND	6.0	ug/Kg	05/31/12	R/J	SW8260	

Parameter	Result	RL	Units	Date/Time	By	Reference	
Styrene	ND	6.0	ug/Kg	05/31/12	R/J	SW8260	
tert-Butylbenzene	ND	6.0	ug/Kg	05/31/12	R/J	SW8260	
Tetrachloroethene	ND	6.0	ug/Kg	05/31/12	R/J	SW8260	
Tetrahydrofuran (THF)	ND	12	ug/Kg	05/31/12	R/J	SW8260	1
Toluene	ND	6.0	ug/Kg	05/31/12	R/J	SW8260	
Total Xylenes	ND	6.0	ug/Kg	05/31/12	R/J	SW8260	
trans-1,2-Dichloroethene	ND	6.0	ug/Kg	05/31/12	R/J	SW8260	
trans-1,3-Dichloropropene	ND	6.0	ug/Kg	05/31/12	R/J	SW8260	
trans-1,4-dichloro-2-butene	ND	12	ug/Kg	05/31/12	R/J	SW8260	
Trichloroethene	ND	6.0	ug/Kg	05/31/12	R/J	SW8260	
Trichlorofluoromethane	ND	6.0	ug/Kg	05/31/12	R/J	SW8260	
Trichlorotrifluoroethane	ND	6.0	ug/Kg	05/31/12	R/J	SW8260	
Vinyl chloride	ND	6.0	ug/Kg	05/31/12	R/J	SW8260	
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	99		%	05/31/12	R/J	70 - 130 %	
% Bromofluorobenzene	89		%	05/31/12	R/J	70 - 130 %	
% Dibromofluoromethane	99		%	05/31/12	R/J	70 - 130 %	
% Toluene-d8	104		%	05/31/12	R/J	70 - 130 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	280	ug/Kg	05/30/12	DD	SW 8270
1,2,4-Trichlorobenzene	ND	280	ug/Kg	05/30/12	DD	SW 8270
1,2-Dichlorobenzene	ND	280	ug/Kg	05/30/12	DD	SW 8270
1,3-Dichlorobenzene	ND	280	ug/Kg	05/30/12	DD	SW 8270
1,4-Dichlorobenzene	ND	280	ug/Kg	05/30/12	DD	SW 8270
2,4,5-Trichlorophenol	ND	280	ug/Kg	05/30/12	DD	SW 8270
2,4,6-Trichlorophenol	ND	280	ug/Kg	05/30/12	DD	SW 8270
2,4-Dichlorophenol	ND	280	ug/Kg	05/30/12	DD	SW 8270
2,4-Dimethylphenol	ND	280	ug/Kg	05/30/12	DD	SW 8270
2,4-Dinitrophenol	ND	640	ug/Kg	05/30/12	DD	SW 8270
2,4-Dinitrotoluene	ND	280	ug/Kg	05/30/12	DD	SW 8270
2,6-Dinitrotoluene	ND	280	ug/Kg	05/30/12	DD	SW 8270
2-Chloronaphthalene	ND	280	ug/Kg	05/30/12	DD	SW 8270
2-Chlorophenol	ND	280	ug/Kg	05/30/12	DD	SW 8270
2-Methylnaphthalene	ND	280	ug/Kg	05/30/12	DD	SW 8270
2-Methylphenol (o-cresol)	ND	280	ug/Kg	05/30/12	DD	SW 8270
2-Nitroaniline	ND	640	ug/Kg	05/30/12	DD	SW 8270
2-Nitrophenol	ND	280	ug/Kg	05/30/12	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	400	ug/Kg	05/30/12	DD	SW 8270
3,3'-Dichlorobenzidine	ND	280	ug/Kg	05/30/12	DD	SW 8270
3-Nitroaniline	ND	640	ug/Kg	05/30/12	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1200	ug/Kg	05/30/12	DD	SW 8270
4-Bromophenyl phenyl ether	ND	400	ug/Kg	05/30/12	DD	SW 8270
4-Chloro-3-methylphenol	ND	280	ug/Kg	05/30/12	DD	SW 8270
4-Chloroaniline	ND	280	ug/Kg	05/30/12	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	280	ug/Kg	05/30/12	DD	SW 8270
4-Nitroaniline	ND	640	ug/Kg	05/30/12	DD	SW 8270
4-Nitrophenol	ND	1200	ug/Kg	05/30/12	DD	SW 8270
Acenaphthene	ND	280	ug/Kg	05/30/12	DD	SW 8270
Acenaphthylene	ND	280	ug/Kg	05/30/12	DD	SW 8270

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Client ID: SB-2

Phoenix I.D.: BB90997

Parameter	Result	RL	Units	Date/Time	By	Reference	
Acetophenone	ND	280	ug/Kg	05/30/12	DD	SW 8270	
Aniline	ND	1200	ug/Kg	05/30/12	DD	SW 8270	LO
Anthracene	ND	280	ug/Kg	05/30/12	DD	SW 8270	
Azobenzene	ND	400	ug/Kg	05/30/12	DD	SW 8270	1
Benz(a)anthracene	ND	280	ug/Kg	05/30/12	DD	SW 8270	
Benzidine	ND	480	ug/Kg	05/30/12	DD	SW 8270	
Benzo(a)pyrene	ND	280	ug/Kg	05/30/12	DD	SW 8270	
Benzo(b)fluoranthene	ND	280	ug/Kg	05/30/12	DD	SW 8270	
Benzo(ghi)perylene	ND	280	ug/Kg	05/30/12	DD	SW 8270	
Benzo(k)fluoranthene	ND	280	ug/Kg	05/30/12	DD	SW 8270	
Benzoic acid	ND	1200	ug/Kg	05/30/12	DD	SW 8270	LO
Benzyl butyl phthalate	ND	280	ug/Kg	05/30/12	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	280	ug/Kg	05/30/12	DD	SW 8270	
Bis(2-chloroethyl)ether	ND	400	ug/Kg	05/30/12	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	280	ug/Kg	05/30/12	DD	SW 8270	
Bis(2-ethylhexyl)phthalate	ND	280	ug/Kg	05/30/12	DD	SW 8270	
Carbazole	ND	600	ug/Kg	05/30/12	DD	SW 8270	
Chrysene	ND	280	ug/Kg	05/30/12	DD	SW 8270	
Dibenz(a,h)anthracene	ND	280	ug/Kg	05/30/12	DD	SW 8270	
Dibenzofuran	ND	280	ug/Kg	05/30/12	DD	SW 8270	
Diethyl phthalate	ND	280	ug/Kg	05/30/12	DD	SW 8270	
Dimethylphthalate	ND	280	ug/Kg	05/30/12	DD	SW 8270	
Di-n-butylphthalate	ND	280	ug/Kg	05/30/12	DD	SW 8270	
Di-n-octylphthalate	ND	280	ug/Kg	05/30/12	DD	SW 8270	
Fluoranthene	ND	280	ug/Kg	05/30/12	DD	SW 8270	
Fluorene	ND	280	ug/Kg	05/30/12	DD	SW 8270	
Hexachlorobenzene	ND	280	ug/Kg	05/30/12	DD	SW 8270	
Hexachlorobutadiene	ND	280	ug/Kg	05/30/12	DD	SW 8270	
Hexachlorocyclopentadiene	ND	280	ug/Kg	05/30/12	DD	SW 8270	
Hexachloroethane	ND	280	ug/Kg	05/30/12	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND	280	ug/Kg	05/30/12	DD	SW 8270	
Isophorone	ND	280	ug/Kg	05/30/12	DD	SW 8270	
Naphthalene	ND	280	ug/Kg	05/30/12	DD	SW 8270	
Nitrobenzene	ND	280	ug/Kg	05/30/12	DD	SW 8270	
N-Nitrosodimethylamine	ND	400	ug/Kg	05/30/12	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	280	ug/Kg	05/30/12	DD	SW 8270	
N-Nitrosodiphenylamine	ND	400	ug/Kg	05/30/12	DD	SW 8270	
Pentachloronitrobenzene	ND	400	ug/Kg	05/30/12	DD	SW 8270	
Pentachlorophenol	ND	400	ug/Kg	05/30/12	DD	SW 8270	
Phenanthrene	ND	280	ug/Kg	05/30/12	DD	SW 8270	
Phenol	ND	280	ug/Kg	05/30/12	DD	SW 8270	
Pyrene	ND	280	ug/Kg	05/30/12	DD	SW 8270	
Pyridine	ND	400	ug/Kg	05/30/12	DD	SW 8270	
QA/QC Surrogates							
% 2,4,6-Tribromophenol	76		%	05/30/12	DD	15 - 130 %	
% 2-Fluorobiphenyl	64		%	05/30/12	DD	30 - 130 %	
% 2-Fluorophenol	69		%	05/30/12	DD	15 - 130 %	
% Nitrobenzene-d5	74		%	05/30/12	DD	30 - 130 %	
% Phenol-d5	71		%	05/30/12	DD	15 - 130 %	
% Terphenyl-d14	75		%	05/30/12	DD	30 - 130 %	

Project ID: 333 WEST 38TH ST.
Client ID: SB-2

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Parameter	Result	RL	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.
1P = This parameter is pending certification by NY NELAC for this matrix.
1O = This parameter is not certified by NY NELAC for this matrix.

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

Comments:

All soils 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 06, 2012
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

Analysis Report

July 06, 2012

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

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	SD	05/24/12	0:00
Location Code:	GALLI-ENG	Received by:	LB	05/29/12	17:39
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBB90994
Phoenix ID: BB90998

Project ID: 333 WEST 38TH ST.
Client ID: SB-2S

Parameter	Result	RL	Units	Date/Time	By	Reference
Silver	< 0.34	0.34	mg/Kg	05/31/12	EK	SW6010
Aluminum	10900	51	mg/Kg	06/04/12	EK	SW6010
Arsenic	0.96	0.68	mg/Kg	05/31/12	EK	SW6010
Barium	154	0.34	mg/Kg	05/31/12	EK	SW6010
Beryllium	0.41	0.27	mg/Kg	05/31/12	EK	SW6010
Calcium	2350	5.1	mg/Kg	05/31/12	EK	SW6010
Cadmium	< 0.34	0.34	mg/Kg	05/31/12	EK	SW6010
Cobalt	5.66	0.34	mg/Kg	05/31/12	EK	SW6010
Chromium	13.2	0.34	mg/Kg	05/31/12	EK	SW6010
Copper	15.7	0.34	mg/kg	05/31/12	EK	SW6010
Iron	17000	51	mg/Kg	06/01/12	LK	SW6010
Mercury	< 0.07	0.07	mg/Kg	05/31/12	RS	SW-7471
Potassium	1090	51	mg/Kg	06/01/12	LK	SW6010
Magnesium	3110	5.1	mg/Kg	05/31/12	EK	SW6010
Manganese	363	3.4	mg/Kg	06/01/12	LK	SW6010
Sodium	90.0	5.1	mg/Kg	05/31/12	EK	SW6010
Nickel	17.0	0.34	mg/Kg	05/31/12	EK	SW6010
Lead	8.84	0.34	mg/Kg	05/31/12	EK	SW6010
Antimony	< 3.4	3.4	mg/Kg	05/31/12	EK	SW6010
Selenium	< 1.4	1.4	mg/Kg	05/31/12	EK	SW6010
Thallium	< 3.1	3.1	mg/Kg	05/31/12	EK	SW6010
Total Metals Digest	Completed			05/29/12	AG	SW846 - 3050
Vanadium	14.7	0.34	mg/Kg	05/31/12	EK	SW6010
Zinc	49.5	0.34	mg/Kg	05/31/12	EK	SW6010
Percent Solid	86		%	05/29/12	JL	E160.3
Soil Extraction for PCB	Completed			05/29/12	BB	SW3545
Soil Extraction for Pesticide	Completed			05/29/12	BB/F	SW3545
Soil Extraction for SVOA	Completed			05/29/12	BS/F	SW3545

Project ID: 333 WEST 38TH ST.
Client ID: SB-2S

Phoenix I.D.: BB90998

Parameter	Result	RL	Units	Date/Time	By	Reference	
Mercury Digestion	Completed			05/31/12	X/X	SW7471	
Polychlorinated Biphenyls							
PCB-1016	ND	380	ug/Kg	05/30/12	MH	SW 8082	
PCB-1221	ND	380	ug/Kg	05/30/12	MH	SW 8082	
PCB-1232	ND	380	ug/Kg	05/30/12	MH	SW 8082	
PCB-1242	ND	380	ug/Kg	05/30/12	MH	SW 8082	
PCB-1248	ND	380	ug/Kg	05/30/12	MH	SW 8082	
PCB-1254	ND	380	ug/Kg	05/30/12	MH	SW 8082	
PCB-1260	ND	380	ug/Kg	05/30/12	MH	SW 8082	
PCB-1262	ND	380	ug/Kg	05/30/12	MH	SW 8082	
PCB-1268	ND	380	ug/Kg	05/30/12	MH	SW 8082	
QA/QC Surrogates							
% DCBP	54		%	05/30/12	MH	30 - 150 %	
% TCMX	66		%	05/30/12	MH	30 - 150 %	
Pesticides							
4,4' -DDD	ND	36	ug/Kg	05/31/12	KCA	SW8081	
4,4' -DDE	ND	36	ug/Kg	05/31/12	KCA	SW8081	
4,4' -DDT	ND	36	ug/Kg	05/31/12	KCA	SW8081	
a-BHC	ND	18	ug/Kg	05/31/12	KCA	SW8081	
Alachlor	ND	18	ug/Kg	05/31/12	KCA	SW8081	1
Aldrin	ND	5.7	ug/Kg	05/31/12	KCA	SW8081	
b-BHC	ND	18	ug/Kg	05/31/12	KCA	SW8081	
Chlordane	ND	57	ug/Kg	05/31/12	KCA	SW8081	
d-BHC	ND	18	ug/Kg	05/31/12	KCA	SW8081	
Dieldrin	ND	5.7	ug/Kg	05/31/12	KCA	SW8081	
Endosulfan I	ND	18	ug/Kg	05/31/12	KCA	SW8081	
Endosulfan II	ND	36	ug/Kg	05/31/12	KCA	SW8081	
Endosulfan sulfate	ND	36	ug/Kg	05/31/12	KCA	SW8081	
Endrin	ND	36	ug/Kg	05/31/12	KCA	SW8081	
Endrin aldehyde	ND	36	ug/Kg	05/31/12	KCA	SW8081	
Endrin ketone	ND	36	ug/Kg	05/31/12	KCA	SW8081	
g-BHC	ND	5.7	ug/Kg	05/31/12	KCA	SW8081	
Heptachlor	ND	11	ug/Kg	05/31/12	KCA	SW8081	
Heptachlor epoxide	ND	18	ug/Kg	05/31/12	KCA	SW8081	
Methoxychlor	ND	180	ug/Kg	05/31/12	KCA	SW8081	
Toxaphene	ND	180	ug/Kg	05/31/12	KCA	SW8081	
QA/QC Surrogates							
% DCBP	41		%	05/31/12	KCA	30 - 150 %	
% TCMX	60		%	05/31/12	KCA	30 - 150 %	
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.8	ug/Kg	05/31/12	R/J	SW8260	
1,1,1-Trichloroethane	ND	5.8	ug/Kg	05/31/12	R/J	SW8260	
1,1,2,2-Tetrachloroethane	ND	5.8	ug/Kg	05/31/12	R/J	SW8260	
1,1,2-Trichloroethane	ND	5.8	ug/Kg	05/31/12	R/J	SW8260	
1,1-Dichloroethane	ND	5.8	ug/Kg	05/31/12	R/J	SW8260	
1,1-Dichloroethene	ND	5.8	ug/Kg	05/31/12	R/J	SW8260	
1,1-Dichloropropene	ND	5.8	ug/Kg	05/31/12	R/J	SW8260	
1,2,3-Trichlorobenzene	ND	5.8	ug/Kg	05/31/12	R/J	SW8260	1

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Client ID: SB-2S

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Parameter	Result	RL	Units	Date/Time	By	Reference	
1,2,3-Trichloropropane	ND	5.8	ug/Kg	05/31/12	R/J	SW8260	
1,2,4-Trichlorobenzene	ND	5.8	ug/Kg	05/31/12	R/J	SW8260	
1,2,4-Trimethylbenzene	ND	5.8	ug/Kg	05/31/12	R/J	SW8260	
1,2-Dibromo-3-chloropropane	ND	5.8	ug/Kg	05/31/12	R/J	SW8260	
1,2-Dibromoethane	ND	5.8	ug/Kg	05/31/12	R/J	SW8260	IP
1,2-Dichlorobenzene	ND	5.8	ug/Kg	05/31/12	R/J	SW8260	
1,2-Dichloroethane	ND	5.8	ug/Kg	05/31/12	R/J	SW8260	
1,2-Dichloropropane	ND	5.8	ug/Kg	05/31/12	R/J	SW8260	
1,3,5-Trimethylbenzene	ND	5.8	ug/Kg	05/31/12	R/J	SW8260	
1,3-Dichlorobenzene	ND	5.8	ug/Kg	05/31/12	R/J	SW8260	
1,3-Dichloropropane	ND	5.8	ug/Kg	05/31/12	R/J	SW8260	
1,4-Dichlorobenzene	ND	5.8	ug/Kg	05/31/12	R/J	SW8260	
2,2-Dichloropropane	ND	5.8	ug/Kg	05/31/12	R/J	SW8260	
2-Chlorotoluene	ND	5.8	ug/Kg	05/31/12	R/J	SW8260	
2-Hexanone	ND	29	ug/Kg	05/31/12	R/J	SW8260	
2-Isopropyltoluene	ND	5.8	ug/Kg	05/31/12	R/J	SW8260	1
4-Chlorotoluene	ND	5.8	ug/Kg	05/31/12	R/J	SW8260	
4-Methyl-2-pentanone	ND	29	ug/Kg	05/31/12	R/J	SW8260	
Acetone	ND	29	ug/Kg	05/31/12	R/J	SW8260	
Acrylonitrile	ND	12	ug/Kg	05/31/12	R/J	SW8260	
Benzene	ND	5.8	ug/Kg	05/31/12	R/J	SW8260	
Bromobenzene	ND	5.8	ug/Kg	05/31/12	R/J	SW8260	
Bromochloromethane	ND	5.8	ug/Kg	05/31/12	R/J	SW8260	
Bromodichloromethane	ND	5.8	ug/Kg	05/31/12	R/J	SW8260	
Bromoform	ND	5.8	ug/Kg	05/31/12	R/J	SW8260	
Bromomethane	ND	5.8	ug/Kg	05/31/12	R/J	SW8260	
Carbon Disulfide	ND	5.8	ug/Kg	05/31/12	R/J	SW8260	
Carbon tetrachloride	ND	5.8	ug/Kg	05/31/12	R/J	SW8260	
Chlorobenzene	ND	5.8	ug/Kg	05/31/12	R/J	SW8260	
Chloroethane	ND	5.8	ug/Kg	05/31/12	R/J	SW8260	
Chloroform	ND	5.8	ug/Kg	05/31/12	R/J	SW8260	
Chloromethane	ND	5.8	ug/Kg	05/31/12	R/J	SW8260	
cis-1,2-Dichloroethene	ND	5.8	ug/Kg	05/31/12	R/J	SW8260	
cis-1,3-Dichloropropene	ND	5.8	ug/Kg	05/31/12	R/J	SW8260	1
Dibromochloromethane	ND	5.8	ug/Kg	05/31/12	R/J	SW8260	
Dibromomethane	ND	5.8	ug/Kg	05/31/12	R/J	SW8260	
Dichlorodifluoromethane	ND	5.8	ug/Kg	05/31/12	R/J	SW8260	
Ethylbenzene	ND	5.8	ug/Kg	05/31/12	R/J	SW8260	
Hexachlorobutadiene	ND	5.8	ug/Kg	05/31/12	R/J	SW8260	IP
Isopropylbenzene	ND	5.8	ug/Kg	05/31/12	R/J	SW8260	
m&p-Xylene	ND	5.8	ug/Kg	05/31/12	R/J	SW8260	
Methyl Ethyl Ketone	ND	29	ug/Kg	05/31/12	R/J	SW8260	
Methyl t-butyl ether (MTBE)	ND	12	ug/Kg	05/31/12	R/J	SW8260	
Methylene chloride	ND	5.8	ug/Kg	05/31/12	R/J	SW8260	
Naphthalene	ND	5.8	ug/Kg	05/31/12	R/J	SW8260	
n-Butylbenzene	ND	5.8	ug/Kg	05/31/12	R/J	SW8260	
n-Propylbenzene	ND	5.8	ug/Kg	05/31/12	R/J	SW8260	
o-Xylene	ND	5.8	ug/Kg	05/31/12	R/J	SW8260	
p-Isopropyltoluene	ND	5.8	ug/Kg	05/31/12	R/J	SW8260	
sec-Butylbenzene	ND	5.8	ug/Kg	05/31/12	R/J	SW8260	

Parameter	Result	RL	Units	Date/Time	By	Reference	
Styrene	ND	5.8	ug/Kg	05/31/12	R/J	SW8260	
tert-Butylbenzene	ND	5.8	ug/Kg	05/31/12	R/J	SW8260	
Tetrachloroethene	ND	5.8	ug/Kg	05/31/12	R/J	SW8260	
Tetrahydrofuran (THF)	ND	12	ug/Kg	05/31/12	R/J	SW8260	1
Toluene	ND	5.8	ug/Kg	05/31/12	R/J	SW8260	
Total Xylenes	ND	5.8	ug/Kg	05/31/12	R/J	SW8260	
trans-1,2-Dichloroethene	ND	5.8	ug/Kg	05/31/12	R/J	SW8260	
trans-1,3-Dichloropropene	ND	5.8	ug/Kg	05/31/12	R/J	SW8260	
trans-1,4-dichloro-2-butene	ND	12	ug/Kg	05/31/12	R/J	SW8260	
Trichloroethene	ND	5.8	ug/Kg	05/31/12	R/J	SW8260	
Trichlorofluoromethane	ND	5.8	ug/Kg	05/31/12	R/J	SW8260	
Trichlorotrifluoroethane	ND	5.8	ug/Kg	05/31/12	R/J	SW8260	
Vinyl chloride	ND	5.8	ug/Kg	05/31/12	R/J	SW8260	
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	103		%	05/31/12	R/J	70 - 130 %	
% Bromofluorobenzene	90		%	05/31/12	R/J	70 - 130 %	
% Dibromofluoromethane	98		%	05/31/12	R/J	70 - 130 %	
% Toluene-d8	104		%	05/31/12	R/J	70 - 130 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	270	ug/Kg	05/30/12	DD	SW 8270
1,2,4-Trichlorobenzene	ND	270	ug/Kg	05/30/12	DD	SW 8270
1,2-Dichlorobenzene	ND	270	ug/Kg	05/30/12	DD	SW 8270
1,3-Dichlorobenzene	ND	270	ug/Kg	05/30/12	DD	SW 8270
1,4-Dichlorobenzene	ND	270	ug/Kg	05/30/12	DD	SW 8270
2,4,5-Trichlorophenol	ND	270	ug/Kg	05/30/12	DD	SW 8270
2,4,6-Trichlorophenol	ND	270	ug/Kg	05/30/12	DD	SW 8270
2,4-Dichlorophenol	ND	270	ug/Kg	05/30/12	DD	SW 8270
2,4-Dimethylphenol	ND	270	ug/Kg	05/30/12	DD	SW 8270
2,4-Dinitrophenol	ND	610	ug/Kg	05/30/12	DD	SW 8270
2,4-Dinitrotoluene	ND	270	ug/Kg	05/30/12	DD	SW 8270
2,6-Dinitrotoluene	ND	270	ug/Kg	05/30/12	DD	SW 8270
2-Chloronaphthalene	ND	270	ug/Kg	05/30/12	DD	SW 8270
2-Chlorophenol	ND	270	ug/Kg	05/30/12	DD	SW 8270
2-Methylnaphthalene	ND	270	ug/Kg	05/30/12	DD	SW 8270
2-Methylphenol (o-cresol)	ND	270	ug/Kg	05/30/12	DD	SW 8270
2-Nitroaniline	ND	610	ug/Kg	05/30/12	DD	SW 8270
2-Nitrophenol	ND	270	ug/Kg	05/30/12	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	380	ug/Kg	05/30/12	DD	SW 8270
3,3'-Dichlorobenzidine	ND	270	ug/Kg	05/30/12	DD	SW 8270
3-Nitroaniline	ND	610	ug/Kg	05/30/12	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1100	ug/Kg	05/30/12	DD	SW 8270
4-Bromophenyl phenyl ether	ND	380	ug/Kg	05/30/12	DD	SW 8270
4-Chloro-3-methylphenol	ND	270	ug/Kg	05/30/12	DD	SW 8270
4-Chloroaniline	ND	270	ug/Kg	05/30/12	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	270	ug/Kg	05/30/12	DD	SW 8270
4-Nitroaniline	ND	610	ug/Kg	05/30/12	DD	SW 8270
4-Nitrophenol	ND	1100	ug/Kg	05/30/12	DD	SW 8270
Acenaphthene	ND	270	ug/Kg	05/30/12	DD	SW 8270
Acenaphthylene	ND	270	ug/Kg	05/30/12	DD	SW 8270

Project ID: 333 WEST 38TH ST.
Client ID: SB-2S

Phoenix I.D.: BB90998

Parameter	Result	RL	Units	Date/Time	By	Reference	
Acetophenone	ND	270	ug/Kg	05/30/12	DD	SW 8270	
Aniline	ND	1100	ug/Kg	05/30/12	DD	SW 8270	LO
Anthracene	ND	270	ug/Kg	05/30/12	DD	SW 8270	
Azobenzene	ND	380	ug/Kg	05/30/12	DD	SW 8270	1
Benz(a)anthracene	ND	270	ug/Kg	05/30/12	DD	SW 8270	
Benzidine	ND	460	ug/Kg	05/30/12	DD	SW 8270	
Benzo(a)pyrene	ND	270	ug/Kg	05/30/12	DD	SW 8270	
Benzo(b)fluoranthene	ND	270	ug/Kg	05/30/12	DD	SW 8270	
Benzo(ghi)perylene	ND	270	ug/Kg	05/30/12	DD	SW 8270	
Benzo(k)fluoranthene	ND	270	ug/Kg	05/30/12	DD	SW 8270	
Benzoic acid	ND	1100	ug/Kg	05/30/12	DD	SW 8270	LO
Benzyl butyl phthalate	ND	270	ug/Kg	05/30/12	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	270	ug/Kg	05/30/12	DD	SW 8270	
Bis(2-chloroethyl)ether	ND	380	ug/Kg	05/30/12	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	270	ug/Kg	05/30/12	DD	SW 8270	
Bis(2-ethylhexyl)phthalate	ND	270	ug/Kg	05/30/12	DD	SW 8270	
Carbazole	ND	580	ug/Kg	05/30/12	DD	SW 8270	
Chrysene	ND	270	ug/Kg	05/30/12	DD	SW 8270	
Dibenz(a,h)anthracene	ND	270	ug/Kg	05/30/12	DD	SW 8270	
Dibenzofuran	ND	270	ug/Kg	05/30/12	DD	SW 8270	
Diethyl phthalate	ND	270	ug/Kg	05/30/12	DD	SW 8270	
Dimethylphthalate	ND	270	ug/Kg	05/30/12	DD	SW 8270	
Di-n-butylphthalate	ND	270	ug/Kg	05/30/12	DD	SW 8270	
Di-n-octylphthalate	ND	270	ug/Kg	05/30/12	DD	SW 8270	
Fluoranthene	ND	270	ug/Kg	05/30/12	DD	SW 8270	
Fluorene	ND	270	ug/Kg	05/30/12	DD	SW 8270	
Hexachlorobenzene	ND	270	ug/Kg	05/30/12	DD	SW 8270	
Hexachlorobutadiene	ND	270	ug/Kg	05/30/12	DD	SW 8270	
Hexachlorocyclopentadiene	ND	270	ug/Kg	05/30/12	DD	SW 8270	
Hexachloroethane	ND	270	ug/Kg	05/30/12	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND	270	ug/Kg	05/30/12	DD	SW 8270	
Isophorone	ND	270	ug/Kg	05/30/12	DD	SW 8270	
Naphthalene	ND	270	ug/Kg	05/30/12	DD	SW 8270	
Nitrobenzene	ND	270	ug/Kg	05/30/12	DD	SW 8270	
N-Nitrosodimethylamine	ND	380	ug/Kg	05/30/12	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	270	ug/Kg	05/30/12	DD	SW 8270	
N-Nitrosodiphenylamine	ND	380	ug/Kg	05/30/12	DD	SW 8270	
Pentachloronitrobenzene	ND	380	ug/Kg	05/30/12	DD	SW 8270	
Pentachlorophenol	ND	380	ug/Kg	05/30/12	DD	SW 8270	
Phenanthrene	ND	270	ug/Kg	05/30/12	DD	SW 8270	
Phenol	ND	270	ug/Kg	05/30/12	DD	SW 8270	
Pyrene	ND	270	ug/Kg	05/30/12	DD	SW 8270	
Pyridine	ND	380	ug/Kg	05/30/12	DD	SW 8270	
QA/QC Surrogates							
% 2,4,6-Tribromophenol	91		%	05/30/12	DD	15 - 130 %	
% 2-Fluorobiphenyl	83		%	05/30/12	DD	30 - 130 %	
% 2-Fluorophenol	78		%	05/30/12	DD	15 - 130 %	
% Nitrobenzene-d5	84		%	05/30/12	DD	30 - 130 %	
% Phenol-d5	80		%	05/30/12	DD	15 - 130 %	
% Terphenyl-d14	97		%	05/30/12	DD	30 - 130 %	

Project ID: 333 WEST 38TH ST.
Client ID: SB-2S

Phoenix I.D.: BB90998

Parameter	Result	RL	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.
1P = This parameter is pending certification by NY NELAC for this matrix.
1O = This parameter is not certified by NY NELAC for this matrix.

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

Comments:

All soils 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 06, 2012
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

July 06, 2012

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

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	SD	05/24/12	0:00
Location Code:	GALLI-ENG	Received by:	LB	05/29/12	17:39
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBB90994
Phoenix ID: BB90999

Project ID: 333 WEST 38TH ST.
Client ID: SB-4

Parameter	Result	RL	Units	Date/Time	By	Reference
Silver	< 0.38	0.38	mg/Kg	05/31/12	EK	SW6010
Aluminum	7450	57	mg/Kg	06/04/12	EK	SW6010
Arsenic	1.18	0.76	mg/Kg	05/31/12	EK	SW6010
Barium	111	0.38	mg/Kg	05/31/12	EK	SW6010
Beryllium	0.37	0.31	mg/Kg	05/31/12	EK	SW6010
Calcium	3060	5.7	mg/Kg	05/31/12	EK	SW6010
Cadmium	< 0.38	0.38	mg/Kg	05/31/12	EK	SW6010
Cobalt	5.64	0.38	mg/Kg	05/31/12	EK	SW6010
Chromium	25.6	0.38	mg/Kg	05/31/12	EK	SW6010
Copper	23.8	0.38	mg/kg	05/31/12	EK	SW6010
Iron	14200	57	mg/Kg	06/01/12	LK	SW6010
Mercury	< 0.07	0.07	mg/Kg	05/31/12	RS	SW-7471
Potassium	975	57	mg/Kg	06/01/12	LK	SW6010
Magnesium	2260	5.7	mg/Kg	05/31/12	EK	SW6010
Manganese	299	3.8	mg/Kg	06/01/12	LK	SW6010
Sodium	485	5.7	mg/Kg	05/31/12	EK	SW6010
Nickel	13.9	0.38	mg/Kg	05/31/12	EK	SW6010
Lead	5.63	0.38	mg/Kg	05/31/12	EK	SW6010
Antimony	< 3.8	3.8	mg/Kg	05/31/12	EK	SW6010
Selenium	< 1.5	1.5	mg/Kg	05/31/12	EK	SW6010
Thallium	< 3.4	3.4	mg/Kg	05/31/12	EK	SW6010
Total Metals Digest	Completed			05/29/12	AG	SW846 - 3050
Vanadium	27.3	0.38	mg/Kg	05/31/12	EK	SW6010
Zinc	19.4	0.38	mg/Kg	05/31/12	EK	SW6010
Percent Solid	91		%	05/29/12	JL	E160.3
Soil Extraction for PCB	Completed			05/29/12	BB	SW3545
Soil Extraction for Pesticide	Completed			05/29/12	BB/F	SW3545
Soil Extraction for SVOA	Completed			05/29/12	BS/F	SW3545

Project ID: 333 WEST 38TH ST.
Client ID: SB-4

Phoenix I.D.: BB90999

Parameter	Result	RL	Units	Date/Time	By	Reference	
Mercury Digestion	Completed			05/31/12	X/X	SW7471	
Polychlorinated Biphenyls							
PCB-1016	ND	360	ug/Kg	05/30/12	MH	SW 8082	
PCB-1221	ND	360	ug/Kg	05/30/12	MH	SW 8082	
PCB-1232	ND	360	ug/Kg	05/30/12	MH	SW 8082	
PCB-1242	ND	360	ug/Kg	05/30/12	MH	SW 8082	
PCB-1248	ND	360	ug/Kg	05/30/12	MH	SW 8082	
PCB-1254	ND	360	ug/Kg	05/30/12	MH	SW 8082	
PCB-1260	ND	360	ug/Kg	05/30/12	MH	SW 8082	
PCB-1262	ND	360	ug/Kg	05/30/12	MH	SW 8082	
PCB-1268	ND	360	ug/Kg	05/30/12	MH	SW 8082	
QA/QC Surrogates							
% DCBP	78		%	05/30/12	MH	30 - 150 %	
% TCMX	90		%	05/30/12	MH	30 - 150 %	
Pesticides							
4,4' -DDD	ND	35	ug/Kg	05/31/12	KCA	SW8081	
4,4' -DDE	ND	35	ug/Kg	05/31/12	KCA	SW8081	
4,4' -DDT	ND	35	ug/Kg	05/31/12	KCA	SW8081	
a-BHC	ND	17	ug/Kg	05/31/12	KCA	SW8081	
Alachlor	ND	17	ug/Kg	05/31/12	KCA	SW8081	1
Aldrin	ND	5.4	ug/Kg	05/31/12	KCA	SW8081	
b-BHC	ND	17	ug/Kg	05/31/12	KCA	SW8081	
Chlordane	ND	54	ug/Kg	05/31/12	KCA	SW8081	
d-BHC	ND	17	ug/Kg	05/31/12	KCA	SW8081	
Dieldrin	ND	5.4	ug/Kg	05/31/12	KCA	SW8081	
Endosulfan I	ND	17	ug/Kg	05/31/12	KCA	SW8081	
Endosulfan II	ND	35	ug/Kg	05/31/12	KCA	SW8081	
Endosulfan sulfate	ND	35	ug/Kg	05/31/12	KCA	SW8081	
Endrin	ND	35	ug/Kg	05/31/12	KCA	SW8081	
Endrin aldehyde	ND	35	ug/Kg	05/31/12	KCA	SW8081	
Endrin ketone	ND	35	ug/Kg	05/31/12	KCA	SW8081	
g-BHC	ND	5.4	ug/Kg	05/31/12	KCA	SW8081	
Heptachlor	ND	11	ug/Kg	05/31/12	KCA	SW8081	
Heptachlor epoxide	ND	17	ug/Kg	05/31/12	KCA	SW8081	
Methoxychlor	ND	170	ug/Kg	05/31/12	KCA	SW8081	
Toxaphene	ND	170	ug/Kg	05/31/12	KCA	SW8081	
QA/QC Surrogates							
% DCBP	76		%	05/31/12	KCA	30 - 150 %	
% TCMX	87		%	05/31/12	KCA	30 - 150 %	
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.5	ug/Kg	05/31/12	H/J	SW8260	
1,1,1-Trichloroethane	ND	5.5	ug/Kg	05/31/12	H/J	SW8260	
1,1,2,2-Tetrachloroethane	ND	5.5	ug/Kg	05/31/12	H/J	SW8260	
1,1,2-Trichloroethane	ND	5.5	ug/Kg	05/31/12	H/J	SW8260	
1,1-Dichloroethane	ND	5.5	ug/Kg	05/31/12	H/J	SW8260	
1,1-Dichloroethene	ND	5.5	ug/Kg	05/31/12	H/J	SW8260	
1,1-Dichloropropene	ND	5.5	ug/Kg	05/31/12	H/J	SW8260	
1,2,3-Trichlorobenzene	ND	5.5	ug/Kg	05/31/12	H/J	SW8260	1

Project ID: 333 WEST 38TH ST.
Client ID: SB-4

Phoenix I.D.: BB90999

Parameter	Result	RL	Units	Date/Time	By	Reference	
1,2,3-Trichloropropane	ND	5.5	ug/Kg	05/31/12	H/J	SW8260	
1,2,4-Trichlorobenzene	ND	5.5	ug/Kg	05/31/12	H/J	SW8260	
1,2,4-Trimethylbenzene	ND	5.5	ug/Kg	05/31/12	H/J	SW8260	
1,2-Dibromo-3-chloropropane	ND	5.5	ug/Kg	05/31/12	H/J	SW8260	
1,2-Dibromoethane	ND	5.5	ug/Kg	05/31/12	H/J	SW8260	1P
1,2-Dichlorobenzene	ND	5.5	ug/Kg	05/31/12	H/J	SW8260	
1,2-Dichloroethane	ND	5.5	ug/Kg	05/31/12	H/J	SW8260	
1,2-Dichloropropane	ND	5.5	ug/Kg	05/31/12	H/J	SW8260	
1,3,5-Trimethylbenzene	ND	5.5	ug/Kg	05/31/12	H/J	SW8260	
1,3-Dichlorobenzene	ND	5.5	ug/Kg	05/31/12	H/J	SW8260	
1,3-Dichloropropane	ND	5.5	ug/Kg	05/31/12	H/J	SW8260	
1,4-Dichlorobenzene	ND	5.5	ug/Kg	05/31/12	H/J	SW8260	
2,2-Dichloropropane	ND	5.5	ug/Kg	05/31/12	H/J	SW8260	
2-Chlorotoluene	ND	5.5	ug/Kg	05/31/12	H/J	SW8260	
2-Hexanone	ND	27	ug/Kg	05/31/12	H/J	SW8260	
2-Isopropyltoluene	ND	5.5	ug/Kg	05/31/12	H/J	SW8260	1
4-Chlorotoluene	ND	5.5	ug/Kg	05/31/12	H/J	SW8260	
4-Methyl-2-pentanone	ND	27	ug/Kg	05/31/12	H/J	SW8260	
Acetone	ND	27	ug/Kg	05/31/12	H/J	SW8260	
Acrylonitrile	ND	11	ug/Kg	05/31/12	H/J	SW8260	
Benzene	ND	5.5	ug/Kg	05/31/12	H/J	SW8260	
Bromobenzene	ND	5.5	ug/Kg	05/31/12	H/J	SW8260	
Bromochloromethane	ND	5.5	ug/Kg	05/31/12	H/J	SW8260	
Bromodichloromethane	ND	5.5	ug/Kg	05/31/12	H/J	SW8260	
Bromoform	ND	5.5	ug/Kg	05/31/12	H/J	SW8260	
Bromomethane	ND	5.5	ug/Kg	05/31/12	H/J	SW8260	
Carbon Disulfide	ND	5.5	ug/Kg	05/31/12	H/J	SW8260	
Carbon tetrachloride	ND	5.5	ug/Kg	05/31/12	H/J	SW8260	
Chlorobenzene	ND	5.5	ug/Kg	05/31/12	H/J	SW8260	
Chloroethane	ND	5.5	ug/Kg	05/31/12	H/J	SW8260	
Chloroform	ND	5.5	ug/Kg	05/31/12	H/J	SW8260	
Chloromethane	ND	5.5	ug/Kg	05/31/12	H/J	SW8260	
cis-1,2-Dichloroethene	ND	5.5	ug/Kg	05/31/12	H/J	SW8260	
cis-1,3-Dichloropropene	ND	5.5	ug/Kg	05/31/12	H/J	SW8260	1
Dibromochloromethane	ND	5.5	ug/Kg	05/31/12	H/J	SW8260	
Dibromomethane	ND	5.5	ug/Kg	05/31/12	H/J	SW8260	
Dichlorodifluoromethane	ND	5.5	ug/Kg	05/31/12	H/J	SW8260	
Ethylbenzene	ND	5.5	ug/Kg	05/31/12	H/J	SW8260	
Hexachlorobutadiene	ND	5.5	ug/Kg	05/31/12	H/J	SW8260	1P
Isopropylbenzene	ND	5.5	ug/Kg	05/31/12	H/J	SW8260	
m&p-Xylene	ND	5.5	ug/Kg	05/31/12	H/J	SW8260	
Methyl Ethyl Ketone	ND	27	ug/Kg	05/31/12	H/J	SW8260	
Methyl t-butyl ether (MTBE)	ND	11	ug/Kg	05/31/12	H/J	SW8260	
Methylene chloride	ND	5.5	ug/Kg	05/31/12	H/J	SW8260	
Naphthalene	ND	5.5	ug/Kg	05/31/12	H/J	SW8260	
n-Butylbenzene	ND	5.5	ug/Kg	05/31/12	H/J	SW8260	
n-Propylbenzene	ND	5.5	ug/Kg	05/31/12	H/J	SW8260	
o-Xylene	ND	5.5	ug/Kg	05/31/12	H/J	SW8260	
p-Isopropyltoluene	ND	5.5	ug/Kg	05/31/12	H/J	SW8260	
sec-Butylbenzene	ND	5.5	ug/Kg	05/31/12	H/J	SW8260	

Project ID: 333 WEST 38TH ST.
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Parameter	Result	RL	Units	Date/Time	By	Reference	
Styrene	ND	5.5	ug/Kg	05/31/12	H/J	SW8260	
tert-Butylbenzene	ND	5.5	ug/Kg	05/31/12	H/J	SW8260	
Tetrachloroethene	ND	5.5	ug/Kg	05/31/12	H/J	SW8260	
Tetrahydrofuran (THF)	ND	11	ug/Kg	05/31/12	H/J	SW8260	1
Toluene	ND	5.5	ug/Kg	05/31/12	H/J	SW8260	
Total Xylenes	ND	5.5	ug/Kg	05/31/12	H/J	SW8260	
trans-1,2-Dichloroethene	ND	5.5	ug/Kg	05/31/12	H/J	SW8260	
trans-1,3-Dichloropropene	ND	5.5	ug/Kg	05/31/12	H/J	SW8260	
trans-1,4-dichloro-2-butene	ND	11	ug/Kg	05/31/12	H/J	SW8260	
Trichloroethene	ND	5.5	ug/Kg	05/31/12	H/J	SW8260	
Trichlorofluoromethane	ND	5.5	ug/Kg	05/31/12	H/J	SW8260	
Trichlorotrifluoroethane	ND	5.5	ug/Kg	05/31/12	H/J	SW8260	
Vinyl chloride	ND	5.5	ug/Kg	05/31/12	H/J	SW8260	
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	99		%	05/31/12	H/J	70 - 130 %	
% Bromofluorobenzene	92		%	05/31/12	H/J	70 - 130 %	
% Dibromofluoromethane	118		%	05/31/12	H/J	70 - 130 %	
% Toluene-d8	99		%	05/31/12	H/J	70 - 130 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	260	ug/Kg	05/30/12	DD	SW 8270
1,2,4-Trichlorobenzene	ND	260	ug/Kg	05/30/12	DD	SW 8270
1,2-Dichlorobenzene	ND	260	ug/Kg	05/30/12	DD	SW 8270
1,3-Dichlorobenzene	ND	260	ug/Kg	05/30/12	DD	SW 8270
1,4-Dichlorobenzene	ND	260	ug/Kg	05/30/12	DD	SW 8270
2,4,5-Trichlorophenol	ND	260	ug/Kg	05/30/12	DD	SW 8270
2,4,6-Trichlorophenol	ND	260	ug/Kg	05/30/12	DD	SW 8270
2,4-Dichlorophenol	ND	260	ug/Kg	05/30/12	DD	SW 8270
2,4-Dimethylphenol	ND	260	ug/Kg	05/30/12	DD	SW 8270
2,4-Dinitrophenol	ND	580	ug/Kg	05/30/12	DD	SW 8270
2,4-Dinitrotoluene	ND	260	ug/Kg	05/30/12	DD	SW 8270
2,6-Dinitrotoluene	ND	260	ug/Kg	05/30/12	DD	SW 8270
2-Chloronaphthalene	ND	260	ug/Kg	05/30/12	DD	SW 8270
2-Chlorophenol	ND	260	ug/Kg	05/30/12	DD	SW 8270
2-Methylnaphthalene	ND	260	ug/Kg	05/30/12	DD	SW 8270
2-Methylphenol (o-cresol)	ND	260	ug/Kg	05/30/12	DD	SW 8270
2-Nitroaniline	ND	580	ug/Kg	05/30/12	DD	SW 8270
2-Nitrophenol	ND	260	ug/Kg	05/30/12	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	360	ug/Kg	05/30/12	DD	SW 8270
3,3'-Dichlorobenzidine	ND	260	ug/Kg	05/30/12	DD	SW 8270
3-Nitroaniline	ND	580	ug/Kg	05/30/12	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1100	ug/Kg	05/30/12	DD	SW 8270
4-Bromophenyl phenyl ether	ND	360	ug/Kg	05/30/12	DD	SW 8270
4-Chloro-3-methylphenol	ND	260	ug/Kg	05/30/12	DD	SW 8270
4-Chloroaniline	ND	260	ug/Kg	05/30/12	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	260	ug/Kg	05/30/12	DD	SW 8270
4-Nitroaniline	ND	580	ug/Kg	05/30/12	DD	SW 8270
4-Nitrophenol	ND	1100	ug/Kg	05/30/12	DD	SW 8270
Acenaphthene	ND	260	ug/Kg	05/30/12	DD	SW 8270
Acenaphthylene	ND	260	ug/Kg	05/30/12	DD	SW 8270

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Client ID: SB-4

Phoenix I.D.: BB90999

Parameter	Result	RL	Units	Date/Time	By	Reference	
Acetophenone	ND	260	ug/Kg	05/30/12	DD	SW 8270	
Aniline	ND	1100	ug/Kg	05/30/12	DD	SW 8270	LO
Anthracene	ND	260	ug/Kg	05/30/12	DD	SW 8270	
Azobenzene	ND	360	ug/Kg	05/30/12	DD	SW 8270	1
Benz(a)anthracene	ND	260	ug/Kg	05/30/12	DD	SW 8270	
Benzidine	ND	440	ug/Kg	05/30/12	DD	SW 8270	
Benzo(a)pyrene	ND	260	ug/Kg	05/30/12	DD	SW 8270	
Benzo(b)fluoranthene	ND	260	ug/Kg	05/30/12	DD	SW 8270	
Benzo(ghi)perylene	ND	260	ug/Kg	05/30/12	DD	SW 8270	
Benzo(k)fluoranthene	ND	260	ug/Kg	05/30/12	DD	SW 8270	
Benzoic acid	ND	1100	ug/Kg	05/30/12	DD	SW 8270	LO
Benzyl butyl phthalate	3300	260	ug/Kg	05/30/12	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	260	ug/Kg	05/30/12	DD	SW 8270	
Bis(2-chloroethyl)ether	ND	360	ug/Kg	05/30/12	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	260	ug/Kg	05/30/12	DD	SW 8270	
Bis(2-ethylhexyl)phthalate	ND	260	ug/Kg	05/30/12	DD	SW 8270	
Carbazole	ND	550	ug/Kg	05/30/12	DD	SW 8270	
Chrysene	ND	260	ug/Kg	05/30/12	DD	SW 8270	
Dibenz(a,h)anthracene	ND	260	ug/Kg	05/30/12	DD	SW 8270	
Dibenzofuran	ND	260	ug/Kg	05/30/12	DD	SW 8270	
Diethyl phthalate	ND	260	ug/Kg	05/30/12	DD	SW 8270	
Dimethylphthalate	ND	260	ug/Kg	05/30/12	DD	SW 8270	
Di-n-butylphthalate	ND	260	ug/Kg	05/30/12	DD	SW 8270	
Di-n-octylphthalate	ND	260	ug/Kg	05/30/12	DD	SW 8270	
Fluoranthene	ND	260	ug/Kg	05/30/12	DD	SW 8270	
Fluorene	ND	260	ug/Kg	05/30/12	DD	SW 8270	
Hexachlorobenzene	ND	260	ug/Kg	05/30/12	DD	SW 8270	
Hexachlorobutadiene	ND	260	ug/Kg	05/30/12	DD	SW 8270	
Hexachlorocyclopentadiene	ND	260	ug/Kg	05/30/12	DD	SW 8270	
Hexachloroethane	ND	260	ug/Kg	05/30/12	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND	260	ug/Kg	05/30/12	DD	SW 8270	
Isophorone	ND	260	ug/Kg	05/30/12	DD	SW 8270	
Naphthalene	ND	260	ug/Kg	05/30/12	DD	SW 8270	
Nitrobenzene	ND	260	ug/Kg	05/30/12	DD	SW 8270	
N-Nitrosodimethylamine	ND	360	ug/Kg	05/30/12	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	260	ug/Kg	05/30/12	DD	SW 8270	
N-Nitrosodiphenylamine	ND	360	ug/Kg	05/30/12	DD	SW 8270	
Pentachloronitrobenzene	ND	360	ug/Kg	05/30/12	DD	SW 8270	
Pentachlorophenol	ND	360	ug/Kg	05/30/12	DD	SW 8270	
Phenanthrene	ND	260	ug/Kg	05/30/12	DD	SW 8270	
Phenol	ND	260	ug/Kg	05/30/12	DD	SW 8270	
Pyrene	ND	260	ug/Kg	05/30/12	DD	SW 8270	
Pyridine	ND	360	ug/Kg	05/30/12	DD	SW 8270	
QA/QC Surrogates							
% 2,4,6-Tribromophenol	85		%	05/30/12	DD	15 - 130 %	
% 2-Fluorobiphenyl	80		%	05/30/12	DD	30 - 130 %	
% 2-Fluorophenol	73		%	05/30/12	DD	15 - 130 %	
% Nitrobenzene-d5	82		%	05/30/12	DD	30 - 130 %	
% Phenol-d5	75		%	05/30/12	DD	15 - 130 %	
% Terphenyl-d14	93		%	05/30/12	DD	30 - 130 %	

Project ID: 333 WEST 38TH ST.
Client ID: SB-4

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Parameter	Result	RL	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.
1P = This parameter is pending certification by NY NELAC for this matrix.
1O = This parameter is not certified by NY NELAC for this matrix.

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

Comments:

All soils 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 06, 2012
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

Analysis Report

July 06, 2012

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

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	SD	05/24/12	0:00
Location Code:	GALLI-ENG	Received by:	LB	05/29/12	17:39
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBB90994
Phoenix ID: BB91000

Project ID: 333 WEST 38TH ST.
Client ID: SB-4S

Parameter	Result	RL	Units	Date/Time	By	Reference
Silver	< 0.35	0.35	mg/Kg	05/31/12	EK	SW6010
Aluminum	10700	53	mg/Kg	06/04/12	EK	SW6010
Arsenic	5.86	0.70	mg/Kg	05/31/12	EK	SW6010
Barium	103	0.35	mg/Kg	05/31/12	EK	SW6010
Beryllium	0.61	0.28	mg/Kg	05/31/12	EK	SW6010
Calcium	1810	5.3	mg/Kg	05/31/12	EK	SW6010
Cadmium	< 0.35	0.35	mg/Kg	05/31/12	EK	SW6010
Cobalt	10.1	0.35	mg/Kg	05/31/12	EK	SW6010
Chromium	14.9	0.35	mg/Kg	05/31/12	EK	SW6010
Copper	18.1	0.35	mg/kg	05/31/12	EK	SW6010
Iron	33000	53	mg/Kg	06/01/12	LK	SW6010
Mercury	< 0.07	0.07	mg/Kg	05/31/12	RS	SW-7471
Potassium	737	53	mg/Kg	06/01/12	LK	SW6010
Magnesium	2560	5.3	mg/Kg	05/31/12	EK	SW6010
Manganese	688	3.5	mg/Kg	06/01/12	LK	SW6010
Sodium	108	5.3	mg/Kg	05/31/12	EK	SW6010
Nickel	16.5	0.35	mg/Kg	05/31/12	EK	SW6010
Lead	19.5	0.35	mg/Kg	05/31/12	EK	SW6010
Antimony	< 3.5	3.5	mg/Kg	05/31/12	EK	SW6010
Selenium	< 1.4	1.4	mg/Kg	05/31/12	EK	SW6010
Thallium	< 3.2	3.2	mg/Kg	05/31/12	EK	SW6010
Total Metals Digest	Completed			05/29/12	AG	SW846 - 3050
Vanadium	23.9	0.35	mg/Kg	05/31/12	EK	SW6010
Zinc	78.6	0.35	mg/Kg	05/31/12	EK	SW6010
Percent Solid	86		%	05/29/12	JL	E160.3
Soil Extraction for PCB	Completed			05/29/12	BB	SW3545
Soil Extraction for Pesticide	Completed			05/29/12	BB/F	SW3545
Soil Extraction for SVOA	Completed			05/29/12	BS/F	SW3545

Project ID: 333 WEST 38TH ST.
Client ID: SB-4S

Phoenix I.D.: BB91000

Parameter	Result	RL	Units	Date/Time	By	Reference	
Mercury Digestion	Completed			05/31/12	X/X	SW7471	
Polychlorinated Biphenyls							
PCB-1016	ND	380	ug/Kg	05/30/12	MH	SW 8082	
PCB-1221	ND	380	ug/Kg	05/30/12	MH	SW 8082	
PCB-1232	ND	380	ug/Kg	05/30/12	MH	SW 8082	
PCB-1242	ND	380	ug/Kg	05/30/12	MH	SW 8082	
PCB-1248	ND	380	ug/Kg	05/30/12	MH	SW 8082	
PCB-1254	ND	380	ug/Kg	05/30/12	MH	SW 8082	
PCB-1260	ND	380	ug/Kg	05/30/12	MH	SW 8082	
PCB-1262	ND	380	ug/Kg	05/30/12	MH	SW 8082	
PCB-1268	ND	380	ug/Kg	05/30/12	MH	SW 8082	
QA/QC Surrogates							
% DCBP	90		%	05/30/12	MH	30 - 150 %	
% TCMX	96		%	05/30/12	MH	30 - 150 %	
Pesticides							
4,4' -DDD	ND	37	ug/Kg	05/31/12	KCA	SW8081	
4,4' -DDE	ND	37	ug/Kg	05/31/12	KCA	SW8081	
4,4' -DDT	ND	37	ug/Kg	05/31/12	KCA	SW8081	
a-BHC	ND	18	ug/Kg	05/31/12	KCA	SW8081	
Alachlor	ND	18	ug/Kg	05/31/12	KCA	SW8081	1
Aldrin	ND	5.8	ug/Kg	05/31/12	KCA	SW8081	
b-BHC	ND	18	ug/Kg	05/31/12	KCA	SW8081	
Chlordane	ND	58	ug/Kg	05/31/12	KCA	SW8081	
d-BHC	ND	18	ug/Kg	05/31/12	KCA	SW8081	
Dieldrin	ND	5.8	ug/Kg	05/31/12	KCA	SW8081	
Endosulfan I	ND	18	ug/Kg	05/31/12	KCA	SW8081	
Endosulfan II	ND	37	ug/Kg	05/31/12	KCA	SW8081	
Endosulfan sulfate	ND	37	ug/Kg	05/31/12	KCA	SW8081	
Endrin	ND	37	ug/Kg	05/31/12	KCA	SW8081	
Endrin aldehyde	ND	37	ug/Kg	05/31/12	KCA	SW8081	
Endrin ketone	ND	37	ug/Kg	05/31/12	KCA	SW8081	
g-BHC	ND	5.8	ug/Kg	05/31/12	KCA	SW8081	
Heptachlor	ND	12	ug/Kg	05/31/12	KCA	SW8081	
Heptachlor epoxide	ND	18	ug/Kg	05/31/12	KCA	SW8081	
Methoxychlor	ND	180	ug/Kg	05/31/12	KCA	SW8081	
Toxaphene	ND	180	ug/Kg	05/31/12	KCA	SW8081	
QA/QC Surrogates							
% DCBP	76		%	05/31/12	KCA	30 - 150 %	
% TCMX	78		%	05/31/12	KCA	30 - 150 %	
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.8	ug/Kg	05/31/12	R/J	SW8260	
1,1,1-Trichloroethane	ND	5.8	ug/Kg	05/31/12	R/J	SW8260	
1,1,2,2-Tetrachloroethane	ND	5.8	ug/Kg	05/31/12	R/J	SW8260	
1,1,2-Trichloroethane	ND	5.8	ug/Kg	05/31/12	R/J	SW8260	
1,1-Dichloroethane	ND	5.8	ug/Kg	05/31/12	R/J	SW8260	
1,1-Dichloroethene	ND	5.8	ug/Kg	05/31/12	R/J	SW8260	
1,1-Dichloropropene	ND	5.8	ug/Kg	05/31/12	R/J	SW8260	
1,2,3-Trichlorobenzene	ND	5.8	ug/Kg	05/31/12	R/J	SW8260	1

Project ID: 333 WEST 38TH ST.
Client ID: SB-4S

Phoenix I.D.: BB91000

Parameter	Result	RL	Units	Date/Time	By	Reference	
1,2,3-Trichloropropane	ND	5.8	ug/Kg	05/31/12	R/J	SW8260	
1,2,4-Trichlorobenzene	ND	5.8	ug/Kg	05/31/12	R/J	SW8260	
1,2,4-Trimethylbenzene	ND	5.8	ug/Kg	05/31/12	R/J	SW8260	
1,2-Dibromo-3-chloropropane	ND	5.8	ug/Kg	05/31/12	R/J	SW8260	
1,2-Dibromoethane	ND	5.8	ug/Kg	05/31/12	R/J	SW8260	IP
1,2-Dichlorobenzene	ND	5.8	ug/Kg	05/31/12	R/J	SW8260	
1,2-Dichloroethane	ND	5.8	ug/Kg	05/31/12	R/J	SW8260	
1,2-Dichloropropane	ND	5.8	ug/Kg	05/31/12	R/J	SW8260	
1,3,5-Trimethylbenzene	ND	5.8	ug/Kg	05/31/12	R/J	SW8260	
1,3-Dichlorobenzene	ND	5.8	ug/Kg	05/31/12	R/J	SW8260	
1,3-Dichloropropane	ND	5.8	ug/Kg	05/31/12	R/J	SW8260	
1,4-Dichlorobenzene	ND	5.8	ug/Kg	05/31/12	R/J	SW8260	
2,2-Dichloropropane	ND	5.8	ug/Kg	05/31/12	R/J	SW8260	
2-Chlorotoluene	ND	5.8	ug/Kg	05/31/12	R/J	SW8260	
2-Hexanone	ND	29	ug/Kg	05/31/12	R/J	SW8260	
2-Isopropyltoluene	ND	5.8	ug/Kg	05/31/12	R/J	SW8260	1
4-Chlorotoluene	ND	5.8	ug/Kg	05/31/12	R/J	SW8260	
4-Methyl-2-pentanone	ND	29	ug/Kg	05/31/12	R/J	SW8260	
Acetone	ND	29	ug/Kg	05/31/12	R/J	SW8260	
Acrylonitrile	ND	12	ug/Kg	05/31/12	R/J	SW8260	
Benzene	ND	5.8	ug/Kg	05/31/12	R/J	SW8260	
Bromobenzene	ND	5.8	ug/Kg	05/31/12	R/J	SW8260	
Bromochloromethane	ND	5.8	ug/Kg	05/31/12	R/J	SW8260	
Bromodichloromethane	ND	5.8	ug/Kg	05/31/12	R/J	SW8260	
Bromoform	ND	5.8	ug/Kg	05/31/12	R/J	SW8260	
Bromomethane	ND	5.8	ug/Kg	05/31/12	R/J	SW8260	
Carbon Disulfide	ND	5.8	ug/Kg	05/31/12	R/J	SW8260	
Carbon tetrachloride	ND	5.8	ug/Kg	05/31/12	R/J	SW8260	
Chlorobenzene	ND	5.8	ug/Kg	05/31/12	R/J	SW8260	
Chloroethane	ND	5.8	ug/Kg	05/31/12	R/J	SW8260	
Chloroform	ND	5.8	ug/Kg	05/31/12	R/J	SW8260	
Chloromethane	ND	5.8	ug/Kg	05/31/12	R/J	SW8260	
cis-1,2-Dichloroethene	ND	5.8	ug/Kg	05/31/12	R/J	SW8260	
cis-1,3-Dichloropropene	ND	5.8	ug/Kg	05/31/12	R/J	SW8260	1
Dibromochloromethane	ND	5.8	ug/Kg	05/31/12	R/J	SW8260	
Dibromomethane	ND	5.8	ug/Kg	05/31/12	R/J	SW8260	
Dichlorodifluoromethane	ND	5.8	ug/Kg	05/31/12	R/J	SW8260	
Ethylbenzene	ND	5.8	ug/Kg	05/31/12	R/J	SW8260	
Hexachlorobutadiene	ND	5.8	ug/Kg	05/31/12	R/J	SW8260	IP
Isopropylbenzene	ND	5.8	ug/Kg	05/31/12	R/J	SW8260	
m&p-Xylene	ND	5.8	ug/Kg	05/31/12	R/J	SW8260	
Methyl Ethyl Ketone	ND	29	ug/Kg	05/31/12	R/J	SW8260	
Methyl t-butyl ether (MTBE)	ND	12	ug/Kg	05/31/12	R/J	SW8260	
Methylene chloride	ND	5.8	ug/Kg	05/31/12	R/J	SW8260	
Naphthalene	ND	5.8	ug/Kg	05/31/12	R/J	SW8260	
n-Butylbenzene	ND	5.8	ug/Kg	05/31/12	R/J	SW8260	
n-Propylbenzene	ND	5.8	ug/Kg	05/31/12	R/J	SW8260	
o-Xylene	ND	5.8	ug/Kg	05/31/12	R/J	SW8260	
p-Isopropyltoluene	ND	5.8	ug/Kg	05/31/12	R/J	SW8260	
sec-Butylbenzene	ND	5.8	ug/Kg	05/31/12	R/J	SW8260	

Project ID: 333 WEST 38TH ST.
Client ID: SB-4S

Phoenix I.D.: BB91000

Parameter	Result	RL	Units	Date/Time	By	Reference	
Styrene	ND	5.8	ug/Kg	05/31/12	R/J	SW8260	
tert-Butylbenzene	ND	5.8	ug/Kg	05/31/12	R/J	SW8260	
Tetrachloroethene	ND	5.8	ug/Kg	05/31/12	R/J	SW8260	
Tetrahydrofuran (THF)	ND	12	ug/Kg	05/31/12	R/J	SW8260	1
Toluene	ND	5.8	ug/Kg	05/31/12	R/J	SW8260	
Total Xylenes	ND	5.8	ug/Kg	05/31/12	R/J	SW8260	
trans-1,2-Dichloroethene	ND	5.8	ug/Kg	05/31/12	R/J	SW8260	
trans-1,3-Dichloropropene	ND	5.8	ug/Kg	05/31/12	R/J	SW8260	
trans-1,4-dichloro-2-butene	ND	12	ug/Kg	05/31/12	R/J	SW8260	
Trichloroethene	ND	5.8	ug/Kg	05/31/12	R/J	SW8260	
Trichlorofluoromethane	ND	5.8	ug/Kg	05/31/12	R/J	SW8260	
Trichlorotrifluoroethane	ND	5.8	ug/Kg	05/31/12	R/J	SW8260	
Vinyl chloride	ND	5.8	ug/Kg	05/31/12	R/J	SW8260	
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	99		%	05/31/12	R/J	70 - 130 %	
% Bromofluorobenzene	89		%	05/31/12	R/J	70 - 130 %	
% Dibromofluoromethane	96		%	05/31/12	R/J	70 - 130 %	
% Toluene-d8	103		%	05/31/12	R/J	70 - 130 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	270	ug/Kg	05/30/12	DD	SW 8270
1,2,4-Trichlorobenzene	ND	270	ug/Kg	05/30/12	DD	SW 8270
1,2-Dichlorobenzene	ND	270	ug/Kg	05/30/12	DD	SW 8270
1,3-Dichlorobenzene	ND	270	ug/Kg	05/30/12	DD	SW 8270
1,4-Dichlorobenzene	ND	270	ug/Kg	05/30/12	DD	SW 8270
2,4,5-Trichlorophenol	ND	270	ug/Kg	05/30/12	DD	SW 8270
2,4,6-Trichlorophenol	ND	270	ug/Kg	05/30/12	DD	SW 8270
2,4-Dichlorophenol	ND	270	ug/Kg	05/30/12	DD	SW 8270
2,4-Dimethylphenol	ND	270	ug/Kg	05/30/12	DD	SW 8270
2,4-Dinitrophenol	ND	610	ug/Kg	05/30/12	DD	SW 8270
2,4-Dinitrotoluene	ND	270	ug/Kg	05/30/12	DD	SW 8270
2,6-Dinitrotoluene	ND	270	ug/Kg	05/30/12	DD	SW 8270
2-Chloronaphthalene	ND	270	ug/Kg	05/30/12	DD	SW 8270
2-Chlorophenol	ND	270	ug/Kg	05/30/12	DD	SW 8270
2-Methylnaphthalene	ND	270	ug/Kg	05/30/12	DD	SW 8270
2-Methylphenol (o-cresol)	ND	270	ug/Kg	05/30/12	DD	SW 8270
2-Nitroaniline	ND	610	ug/Kg	05/30/12	DD	SW 8270
2-Nitrophenol	ND	270	ug/Kg	05/30/12	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	380	ug/Kg	05/30/12	DD	SW 8270
3,3'-Dichlorobenzidine	ND	270	ug/Kg	05/30/12	DD	SW 8270
3-Nitroaniline	ND	610	ug/Kg	05/30/12	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1100	ug/Kg	05/30/12	DD	SW 8270
4-Bromophenyl phenyl ether	ND	380	ug/Kg	05/30/12	DD	SW 8270
4-Chloro-3-methylphenol	ND	270	ug/Kg	05/30/12	DD	SW 8270
4-Chloroaniline	ND	270	ug/Kg	05/30/12	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	270	ug/Kg	05/30/12	DD	SW 8270
4-Nitroaniline	ND	610	ug/Kg	05/30/12	DD	SW 8270
4-Nitrophenol	ND	1100	ug/Kg	05/30/12	DD	SW 8270
Acenaphthene	ND	270	ug/Kg	05/30/12	DD	SW 8270
Acenaphthylene	ND	270	ug/Kg	05/30/12	DD	SW 8270

Project ID: 333 WEST 38TH ST.
Client ID: SB-4S

Phoenix I.D.: BB91000

Parameter	Result	RL	Units	Date/Time	By	Reference	
Acetophenone	ND	270	ug/Kg	05/30/12	DD	SW 8270	
Aniline	ND	1100	ug/Kg	05/30/12	DD	SW 8270	LO
Anthracene	ND	270	ug/Kg	05/30/12	DD	SW 8270	
Azobenzene	ND	380	ug/Kg	05/30/12	DD	SW 8270	1
Benz(a)anthracene	ND	270	ug/Kg	05/30/12	DD	SW 8270	
Benzidine	ND	460	ug/Kg	05/30/12	DD	SW 8270	
Benzo(a)pyrene	ND	270	ug/Kg	05/30/12	DD	SW 8270	
Benzo(b)fluoranthene	ND	270	ug/Kg	05/30/12	DD	SW 8270	
Benzo(ghi)perylene	ND	270	ug/Kg	05/30/12	DD	SW 8270	
Benzo(k)fluoranthene	ND	270	ug/Kg	05/30/12	DD	SW 8270	
Benzoic acid	ND	1100	ug/Kg	05/30/12	DD	SW 8270	LO
Benzyl butyl phthalate	4200	270	ug/Kg	05/30/12	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	270	ug/Kg	05/30/12	DD	SW 8270	
Bis(2-chloroethyl)ether	ND	380	ug/Kg	05/30/12	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	270	ug/Kg	05/30/12	DD	SW 8270	
Bis(2-ethylhexyl)phthalate	ND	270	ug/Kg	05/30/12	DD	SW 8270	
Carbazole	ND	570	ug/Kg	05/30/12	DD	SW 8270	
Chrysene	ND	270	ug/Kg	05/30/12	DD	SW 8270	
Dibenz(a,h)anthracene	ND	270	ug/Kg	05/30/12	DD	SW 8270	
Dibenzofuran	ND	270	ug/Kg	05/30/12	DD	SW 8270	
Diethyl phthalate	ND	270	ug/Kg	05/30/12	DD	SW 8270	
Dimethylphthalate	ND	270	ug/Kg	05/30/12	DD	SW 8270	
Di-n-butylphthalate	ND	270	ug/Kg	05/30/12	DD	SW 8270	
Di-n-octylphthalate	ND	270	ug/Kg	05/30/12	DD	SW 8270	
Fluoranthene	ND	270	ug/Kg	05/30/12	DD	SW 8270	
Fluorene	ND	270	ug/Kg	05/30/12	DD	SW 8270	
Hexachlorobenzene	ND	270	ug/Kg	05/30/12	DD	SW 8270	
Hexachlorobutadiene	ND	270	ug/Kg	05/30/12	DD	SW 8270	
Hexachlorocyclopentadiene	ND	270	ug/Kg	05/30/12	DD	SW 8270	
Hexachloroethane	ND	270	ug/Kg	05/30/12	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND	270	ug/Kg	05/30/12	DD	SW 8270	
Isophorone	ND	270	ug/Kg	05/30/12	DD	SW 8270	
Naphthalene	ND	270	ug/Kg	05/30/12	DD	SW 8270	
Nitrobenzene	ND	270	ug/Kg	05/30/12	DD	SW 8270	
N-Nitrosodimethylamine	ND	380	ug/Kg	05/30/12	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	270	ug/Kg	05/30/12	DD	SW 8270	
N-Nitrosodiphenylamine	ND	380	ug/Kg	05/30/12	DD	SW 8270	
Pentachloronitrobenzene	ND	380	ug/Kg	05/30/12	DD	SW 8270	
Pentachlorophenol	ND	380	ug/Kg	05/30/12	DD	SW 8270	
Phenanthrene	ND	270	ug/Kg	05/30/12	DD	SW 8270	
Phenol	ND	270	ug/Kg	05/30/12	DD	SW 8270	
Pyrene	ND	270	ug/Kg	05/30/12	DD	SW 8270	
Pyridine	ND	380	ug/Kg	05/30/12	DD	SW 8270	
QA/QC Surrogates							
% 2,4,6-Tribromophenol	76		%	05/30/12	DD	15 - 130 %	
% 2-Fluorobiphenyl	80		%	05/30/12	DD	30 - 130 %	
% 2-Fluorophenol	70		%	05/30/12	DD	15 - 130 %	
% Nitrobenzene-d5	83		%	05/30/12	DD	30 - 130 %	
% Phenol-d5	77		%	05/30/12	DD	15 - 130 %	
% Terphenyl-d14	95		%	05/30/12	DD	30 - 130 %	

Project ID: 333 WEST 38TH ST.
Client ID: SB-4S

Phoenix I.D.: BB91000

Parameter	Result	RL	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.
1P = This parameter is pending certification by NY NELAC for this matrix.
1O = This parameter is not certified by NY NELAC for this matrix.

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

Comments:

All soils 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 06, 2012
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

Analysis Report

July 06, 2012

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

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	SD	05/24/12	0:00
Location Code:	GALLI-ENG	Received by:	LB	05/29/12	17:39
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBB90994
Phoenix ID: BB91001

Project ID: 333 WEST 38TH ST.
Client ID: SB-5

Parameter	Result	RL	Units	Date/Time	By	Reference
Silver	< 0.40	0.40	mg/Kg	05/31/12	EK	SW6010
Aluminum	8830	60	mg/Kg	06/04/12	EK	SW6010
Arsenic	0.86	0.79	mg/Kg	05/31/12	EK	SW6010
Barium	106	0.40	mg/Kg	05/31/12	EK	SW6010
Beryllium	0.41	0.32	mg/Kg	05/31/12	EK	SW6010
Calcium	3970	6.0	mg/Kg	05/31/12	EK	SW6010
Cadmium	< 0.40	0.40	mg/Kg	05/31/12	EK	SW6010
Cobalt	6.02	0.40	mg/Kg	05/31/12	EK	SW6010
Chromium	24.5	0.40	mg/Kg	05/31/12	EK	SW6010
Copper	24.2	0.40	mg/kg	05/31/12	EK	SW6010
Iron	12800	60	mg/Kg	06/01/12	LK	SW6010
Mercury	< 0.08	0.08	mg/Kg	05/31/12	RS	SW-7471
Potassium	1420	60	mg/Kg	06/01/12	LK	SW6010
Magnesium	2610	6.0	mg/Kg	05/31/12	EK	SW6010
Manganese	413	4.0	mg/Kg	06/01/12	LK	SW6010
Sodium	724	6.0	mg/Kg	05/31/12	EK	SW6010
Nickel	15.2	0.40	mg/Kg	05/31/12	EK	SW6010
Lead	7.02	0.40	mg/Kg	05/31/12	EK	SW6010
Antimony	< 4.0	4.0	mg/Kg	05/31/12	EK	SW6010
Selenium	< 1.6	1.6	mg/Kg	05/31/12	EK	SW6010
Thallium	< 3.6	3.6	mg/Kg	05/31/12	EK	SW6010
Total Metals Digest	Completed			05/29/12	AG	SW846 - 3050
Vanadium	21.1	0.40	mg/Kg	05/31/12	EK	SW6010
Zinc	19.4	0.40	mg/Kg	05/31/12	EK	SW6010
Percent Solid	90		%	05/29/12	JL	E160.3
Soil Extraction for PCB	Completed			05/29/12	BB	SW3545
Soil Extraction for Pesticide	Completed			05/29/12	BB/F	SW3545
Soil Extraction for SVOA	Completed			05/29/12	BS/F	SW3545

Project ID: 333 WEST 38TH ST.
Client ID: SB-5

Phoenix I.D.: BB91001

Parameter	Result	RL	Units	Date/Time	By	Reference	
Mercury Digestion	Completed			05/31/12	X/X	SW7471	
Polychlorinated Biphenyls							
PCB-1016	ND	370	ug/Kg	05/30/12	MH	SW 8082	
PCB-1221	ND	370	ug/Kg	05/30/12	MH	SW 8082	
PCB-1232	ND	370	ug/Kg	05/30/12	MH	SW 8082	
PCB-1242	ND	370	ug/Kg	05/30/12	MH	SW 8082	
PCB-1248	ND	370	ug/Kg	05/30/12	MH	SW 8082	
PCB-1254	ND	370	ug/Kg	05/30/12	MH	SW 8082	
PCB-1260	ND	370	ug/Kg	05/30/12	MH	SW 8082	
PCB-1262	ND	370	ug/Kg	05/30/12	MH	SW 8082	
PCB-1268	ND	370	ug/Kg	05/30/12	MH	SW 8082	
QA/QC Surrogates							
% DCBP	92		%	05/30/12	MH	30 - 150 %	
% TCMX	96		%	05/30/12	MH	30 - 150 %	
Pesticides							
4,4' -DDD	ND	35	ug/Kg	05/31/12	KCA	SW8081	
4,4' -DDE	ND	35	ug/Kg	05/31/12	KCA	SW8081	
4,4' -DDT	ND	35	ug/Kg	05/31/12	KCA	SW8081	
a-BHC	ND	18	ug/Kg	05/31/12	KCA	SW8081	
Alachlor	ND	18	ug/Kg	05/31/12	KCA	SW8081	1
Aldrin	ND	5.5	ug/Kg	05/31/12	KCA	SW8081	
b-BHC	ND	18	ug/Kg	05/31/12	KCA	SW8081	
Chlordane	ND	55	ug/Kg	05/31/12	KCA	SW8081	
d-BHC	ND	18	ug/Kg	05/31/12	KCA	SW8081	
Dieldrin	ND	5.5	ug/Kg	05/31/12	KCA	SW8081	
Endosulfan I	ND	18	ug/Kg	05/31/12	KCA	SW8081	
Endosulfan II	ND	35	ug/Kg	05/31/12	KCA	SW8081	
Endosulfan sulfate	ND	35	ug/Kg	05/31/12	KCA	SW8081	
Endrin	ND	35	ug/Kg	05/31/12	KCA	SW8081	
Endrin aldehyde	ND	35	ug/Kg	05/31/12	KCA	SW8081	
Endrin ketone	ND	35	ug/Kg	05/31/12	KCA	SW8081	
g-BHC	ND	5.5	ug/Kg	05/31/12	KCA	SW8081	
Heptachlor	ND	11	ug/Kg	05/31/12	KCA	SW8081	
Heptachlor epoxide	ND	18	ug/Kg	05/31/12	KCA	SW8081	
Methoxychlor	ND	180	ug/Kg	05/31/12	KCA	SW8081	
Toxaphene	ND	180	ug/Kg	05/31/12	KCA	SW8081	
QA/QC Surrogates							
% DCBP	92		%	05/31/12	KCA	30 - 150 %	
% TCMX	95		%	05/31/12	KCA	30 - 150 %	
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.6	ug/Kg	05/31/12	R/J	SW8260	
1,1,1-Trichloroethane	ND	5.6	ug/Kg	05/31/12	R/J	SW8260	
1,1,2,2-Tetrachloroethane	ND	5.6	ug/Kg	05/31/12	R/J	SW8260	
1,1,2-Trichloroethane	ND	5.6	ug/Kg	05/31/12	R/J	SW8260	
1,1-Dichloroethane	ND	5.6	ug/Kg	05/31/12	R/J	SW8260	
1,1-Dichloroethene	ND	5.6	ug/Kg	05/31/12	R/J	SW8260	
1,1-Dichloropropene	ND	5.6	ug/Kg	05/31/12	R/J	SW8260	
1,2,3-Trichlorobenzene	ND	5.6	ug/Kg	05/31/12	R/J	SW8260	1

Project ID: 333 WEST 38TH ST.
Client ID: SB-5

Phoenix I.D.: BB91001

Parameter	Result	RL	Units	Date/Time	By	Reference	
1,2,3-Trichloropropane	ND	5.6	ug/Kg	05/31/12	R/J	SW8260	
1,2,4-Trichlorobenzene	ND	5.6	ug/Kg	05/31/12	R/J	SW8260	
1,2,4-Trimethylbenzene	ND	5.6	ug/Kg	05/31/12	R/J	SW8260	
1,2-Dibromo-3-chloropropane	ND	5.6	ug/Kg	05/31/12	R/J	SW8260	
1,2-Dibromoethane	ND	5.6	ug/Kg	05/31/12	R/J	SW8260	LP
1,2-Dichlorobenzene	ND	5.6	ug/Kg	05/31/12	R/J	SW8260	
1,2-Dichloroethane	ND	5.6	ug/Kg	05/31/12	R/J	SW8260	
1,2-Dichloropropane	ND	5.6	ug/Kg	05/31/12	R/J	SW8260	
1,3,5-Trimethylbenzene	ND	5.6	ug/Kg	05/31/12	R/J	SW8260	
1,3-Dichlorobenzene	ND	5.6	ug/Kg	05/31/12	R/J	SW8260	
1,3-Dichloropropane	ND	5.6	ug/Kg	05/31/12	R/J	SW8260	
1,4-Dichlorobenzene	ND	5.6	ug/Kg	05/31/12	R/J	SW8260	
2,2-Dichloropropane	ND	5.6	ug/Kg	05/31/12	R/J	SW8260	
2-Chlorotoluene	ND	5.6	ug/Kg	05/31/12	R/J	SW8260	
2-Hexanone	ND	28	ug/Kg	05/31/12	R/J	SW8260	
2-Isopropyltoluene	ND	5.6	ug/Kg	05/31/12	R/J	SW8260	1
4-Chlorotoluene	ND	5.6	ug/Kg	05/31/12	R/J	SW8260	
4-Methyl-2-pentanone	ND	28	ug/Kg	05/31/12	R/J	SW8260	
Acetone	ND	28	ug/Kg	05/31/12	R/J	SW8260	
Acrylonitrile	ND	11	ug/Kg	05/31/12	R/J	SW8260	
Benzene	ND	5.6	ug/Kg	05/31/12	R/J	SW8260	
Bromobenzene	ND	5.6	ug/Kg	05/31/12	R/J	SW8260	
Bromochloromethane	ND	5.6	ug/Kg	05/31/12	R/J	SW8260	
Bromodichloromethane	ND	5.6	ug/Kg	05/31/12	R/J	SW8260	
Bromoform	ND	5.6	ug/Kg	05/31/12	R/J	SW8260	
Bromomethane	ND	5.6	ug/Kg	05/31/12	R/J	SW8260	
Carbon Disulfide	ND	5.6	ug/Kg	05/31/12	R/J	SW8260	
Carbon tetrachloride	ND	5.6	ug/Kg	05/31/12	R/J	SW8260	
Chlorobenzene	ND	5.6	ug/Kg	05/31/12	R/J	SW8260	
Chloroethane	ND	5.6	ug/Kg	05/31/12	R/J	SW8260	
Chloroform	ND	5.6	ug/Kg	05/31/12	R/J	SW8260	
Chloromethane	ND	5.6	ug/Kg	05/31/12	R/J	SW8260	
cis-1,2-Dichloroethene	ND	5.6	ug/Kg	05/31/12	R/J	SW8260	
cis-1,3-Dichloropropene	ND	5.6	ug/Kg	05/31/12	R/J	SW8260	1
Dibromochloromethane	ND	5.6	ug/Kg	05/31/12	R/J	SW8260	
Dibromomethane	ND	5.6	ug/Kg	05/31/12	R/J	SW8260	
Dichlorodifluoromethane	ND	5.6	ug/Kg	05/31/12	R/J	SW8260	
Ethylbenzene	ND	5.6	ug/Kg	05/31/12	R/J	SW8260	
Hexachlorobutadiene	ND	5.6	ug/Kg	05/31/12	R/J	SW8260	LP
Isopropylbenzene	ND	5.6	ug/Kg	05/31/12	R/J	SW8260	
m&p-Xylene	ND	5.6	ug/Kg	05/31/12	R/J	SW8260	
Methyl Ethyl Ketone	ND	28	ug/Kg	05/31/12	R/J	SW8260	
Methyl t-butyl ether (MTBE)	ND	11	ug/Kg	05/31/12	R/J	SW8260	
Methylene chloride	ND	5.6	ug/Kg	05/31/12	R/J	SW8260	
Naphthalene	ND	5.6	ug/Kg	05/31/12	R/J	SW8260	
n-Butylbenzene	ND	5.6	ug/Kg	05/31/12	R/J	SW8260	
n-Propylbenzene	ND	5.6	ug/Kg	05/31/12	R/J	SW8260	
o-Xylene	ND	5.6	ug/Kg	05/31/12	R/J	SW8260	
p-Isopropyltoluene	ND	5.6	ug/Kg	05/31/12	R/J	SW8260	
sec-Butylbenzene	ND	5.6	ug/Kg	05/31/12	R/J	SW8260	

Parameter	Result	RL	Units	Date/Time	By	Reference	
Styrene	ND	5.6	ug/Kg	05/31/12	R/J	SW8260	
tert-Butylbenzene	ND	5.6	ug/Kg	05/31/12	R/J	SW8260	
Tetrachloroethene	ND	5.6	ug/Kg	05/31/12	R/J	SW8260	
Tetrahydrofuran (THF)	ND	11	ug/Kg	05/31/12	R/J	SW8260	1
Toluene	ND	5.6	ug/Kg	05/31/12	R/J	SW8260	
Total Xylenes	ND	5.6	ug/Kg	05/31/12	R/J	SW8260	
trans-1,2-Dichloroethene	ND	5.6	ug/Kg	05/31/12	R/J	SW8260	
trans-1,3-Dichloropropene	ND	5.6	ug/Kg	05/31/12	R/J	SW8260	
trans-1,4-dichloro-2-butene	ND	11	ug/Kg	05/31/12	R/J	SW8260	
Trichloroethene	ND	5.6	ug/Kg	05/31/12	R/J	SW8260	
Trichlorofluoromethane	ND	5.6	ug/Kg	05/31/12	R/J	SW8260	
Trichlorotrifluoroethane	ND	5.6	ug/Kg	05/31/12	R/J	SW8260	
Vinyl chloride	ND	5.6	ug/Kg	05/31/12	R/J	SW8260	
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	103		%	05/31/12	R/J	70 - 130 %	
% Bromofluorobenzene	88		%	05/31/12	R/J	70 - 130 %	
% Dibromofluoromethane	101		%	05/31/12	R/J	70 - 130 %	
% Toluene-d8	103		%	05/31/12	R/J	70 - 130 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	260	ug/Kg	05/30/12	DD	SW 8270
1,2,4-Trichlorobenzene	ND	260	ug/Kg	05/30/12	DD	SW 8270
1,2-Dichlorobenzene	ND	260	ug/Kg	05/30/12	DD	SW 8270
1,3-Dichlorobenzene	ND	260	ug/Kg	05/30/12	DD	SW 8270
1,4-Dichlorobenzene	ND	260	ug/Kg	05/30/12	DD	SW 8270
2,4,5-Trichlorophenol	ND	260	ug/Kg	05/30/12	DD	SW 8270
2,4,6-Trichlorophenol	ND	260	ug/Kg	05/30/12	DD	SW 8270
2,4-Dichlorophenol	ND	260	ug/Kg	05/30/12	DD	SW 8270
2,4-Dimethylphenol	ND	260	ug/Kg	05/30/12	DD	SW 8270
2,4-Dinitrophenol	ND	590	ug/Kg	05/30/12	DD	SW 8270
2,4-Dinitrotoluene	ND	260	ug/Kg	05/30/12	DD	SW 8270
2,6-Dinitrotoluene	ND	260	ug/Kg	05/30/12	DD	SW 8270
2-Chloronaphthalene	ND	260	ug/Kg	05/30/12	DD	SW 8270
2-Chlorophenol	ND	260	ug/Kg	05/30/12	DD	SW 8270
2-Methylnaphthalene	ND	260	ug/Kg	05/30/12	DD	SW 8270
2-Methylphenol (o-cresol)	ND	260	ug/Kg	05/30/12	DD	SW 8270
2-Nitroaniline	ND	590	ug/Kg	05/30/12	DD	SW 8270
2-Nitrophenol	ND	260	ug/Kg	05/30/12	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	370	ug/Kg	05/30/12	DD	SW 8270
3,3'-Dichlorobenzidine	ND	260	ug/Kg	05/30/12	DD	SW 8270
3-Nitroaniline	ND	590	ug/Kg	05/30/12	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1100	ug/Kg	05/30/12	DD	SW 8270
4-Bromophenyl phenyl ether	ND	370	ug/Kg	05/30/12	DD	SW 8270
4-Chloro-3-methylphenol	ND	260	ug/Kg	05/30/12	DD	SW 8270
4-Chloroaniline	ND	260	ug/Kg	05/30/12	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	260	ug/Kg	05/30/12	DD	SW 8270
4-Nitroaniline	ND	590	ug/Kg	05/30/12	DD	SW 8270
4-Nitrophenol	ND	1100	ug/Kg	05/30/12	DD	SW 8270
Acenaphthene	ND	260	ug/Kg	05/30/12	DD	SW 8270
Acenaphthylene	ND	260	ug/Kg	05/30/12	DD	SW 8270

Project ID: 333 WEST 38TH ST.
Client ID: SB-5

Phoenix I.D.: BB91001

Parameter	Result	RL	Units	Date/Time	By	Reference	
Acetophenone	ND	260	ug/Kg	05/30/12	DD	SW 8270	
Aniline	ND	1100	ug/Kg	05/30/12	DD	SW 8270	LO
Anthracene	ND	260	ug/Kg	05/30/12	DD	SW 8270	
Azobenzene	ND	370	ug/Kg	05/30/12	DD	SW 8270	1
Benz(a)anthracene	ND	260	ug/Kg	05/30/12	DD	SW 8270	
Benzidine	ND	440	ug/Kg	05/30/12	DD	SW 8270	
Benzo(a)pyrene	ND	260	ug/Kg	05/30/12	DD	SW 8270	
Benzo(b)fluoranthene	ND	260	ug/Kg	05/30/12	DD	SW 8270	
Benzo(ghi)perylene	ND	260	ug/Kg	05/30/12	DD	SW 8270	
Benzo(k)fluoranthene	ND	260	ug/Kg	05/30/12	DD	SW 8270	
Benzoic acid	ND	1100	ug/Kg	05/30/12	DD	SW 8270	LO
Benzyl butyl phthalate	940	260	ug/Kg	05/30/12	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	260	ug/Kg	05/30/12	DD	SW 8270	
Bis(2-chloroethyl)ether	ND	370	ug/Kg	05/30/12	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	260	ug/Kg	05/30/12	DD	SW 8270	
Bis(2-ethylhexyl)phthalate	ND	260	ug/Kg	05/30/12	DD	SW 8270	
Carbazole	ND	550	ug/Kg	05/30/12	DD	SW 8270	
Chrysene	ND	260	ug/Kg	05/30/12	DD	SW 8270	
Dibenz(a,h)anthracene	ND	260	ug/Kg	05/30/12	DD	SW 8270	
Dibenzofuran	ND	260	ug/Kg	05/30/12	DD	SW 8270	
Diethyl phthalate	ND	260	ug/Kg	05/30/12	DD	SW 8270	
Dimethylphthalate	ND	260	ug/Kg	05/30/12	DD	SW 8270	
Di-n-butylphthalate	ND	260	ug/Kg	05/30/12	DD	SW 8270	
Di-n-octylphthalate	ND	260	ug/Kg	05/30/12	DD	SW 8270	
Fluoranthene	ND	260	ug/Kg	05/30/12	DD	SW 8270	
Fluorene	ND	260	ug/Kg	05/30/12	DD	SW 8270	
Hexachlorobenzene	ND	260	ug/Kg	05/30/12	DD	SW 8270	
Hexachlorobutadiene	ND	260	ug/Kg	05/30/12	DD	SW 8270	
Hexachlorocyclopentadiene	ND	260	ug/Kg	05/30/12	DD	SW 8270	
Hexachloroethane	ND	260	ug/Kg	05/30/12	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND	260	ug/Kg	05/30/12	DD	SW 8270	
Isophorone	ND	260	ug/Kg	05/30/12	DD	SW 8270	
Naphthalene	ND	260	ug/Kg	05/30/12	DD	SW 8270	
Nitrobenzene	ND	260	ug/Kg	05/30/12	DD	SW 8270	
N-Nitrosodimethylamine	ND	370	ug/Kg	05/30/12	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	260	ug/Kg	05/30/12	DD	SW 8270	
N-Nitrosodiphenylamine	ND	370	ug/Kg	05/30/12	DD	SW 8270	
Pentachloronitrobenzene	ND	370	ug/Kg	05/30/12	DD	SW 8270	
Pentachlorophenol	ND	370	ug/Kg	05/30/12	DD	SW 8270	
Phenanthrene	ND	260	ug/Kg	05/30/12	DD	SW 8270	
Phenol	ND	260	ug/Kg	05/30/12	DD	SW 8270	
Pyrene	ND	260	ug/Kg	05/30/12	DD	SW 8270	
Pyridine	ND	370	ug/Kg	05/30/12	DD	SW 8270	
QA/QC Surrogates							
% 2,4,6-Tribromophenol	72		%	05/30/12	DD	15 - 130 %	
% 2-Fluorobiphenyl	67		%	05/30/12	DD	30 - 130 %	
% 2-Fluorophenol	66		%	05/30/12	DD	15 - 130 %	
% Nitrobenzene-d5	70		%	05/30/12	DD	30 - 130 %	
% Phenol-d5	66		%	05/30/12	DD	15 - 130 %	
% Terphenyl-d14	76		%	05/30/12	DD	30 - 130 %	

Project ID: 333 WEST 38TH ST.
Client ID: SB-5

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Parameter	Result	RL	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.
1P = This parameter is pending certification by NY NELAC for this matrix.
1O = This parameter is not certified by NY NELAC for this matrix.

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

Comments:

All soils 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 06, 2012
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

Analysis Report

July 06, 2012

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

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	SD	05/24/12	0:00
Location Code:	GALLI-ENG	Received by:	LB	05/29/12	17:39
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBB90994
Phoenix ID: BB91002

Project ID: 333 WEST 38TH ST.
Client ID: SB-5S

Parameter	Result	RL	Units	Date/Time	By	Reference
Silver	< 0.35	0.35	mg/Kg	05/31/12	EK	SW6010
Aluminum	13300	53	mg/Kg	06/04/12	EK	SW6010
Arsenic	3.43	0.71	mg/Kg	05/31/12	EK	SW6010
Barium	202	0.35	mg/Kg	05/31/12	EK	SW6010
Beryllium	0.48	0.28	mg/Kg	05/31/12	EK	SW6010
Calcium	1510	5.3	mg/Kg	05/31/12	EK	SW6010
Cadmium	< 0.35	0.35	mg/Kg	05/31/12	EK	SW6010
Cobalt	7.38	0.35	mg/Kg	05/31/12	EK	SW6010
Chromium	16.7	0.35	mg/Kg	05/31/12	EK	SW6010
Copper	9.71	0.35	mg/kg	05/31/12	EK	SW6010
Iron	22700	53	mg/Kg	06/01/12	LK	SW6010
Mercury	0.07	0.07	mg/Kg	05/31/12	RS	SW-7471
Potassium	1230	53	mg/Kg	06/01/12	LK	SW6010
Magnesium	2570	5.3	mg/Kg	05/31/12	EK	SW6010
Manganese	689	3.5	mg/Kg	06/01/12	LK	SW6010
Sodium	101	5.3	mg/Kg	05/31/12	EK	SW6010
Nickel	13.8	0.35	mg/Kg	05/31/12	EK	SW6010
Lead	9.36	0.35	mg/Kg	05/31/12	EK	SW6010
Antimony	< 3.5	3.5	mg/Kg	05/31/12	EK	SW6010
Selenium	< 1.4	1.4	mg/Kg	05/31/12	EK	SW6010
Thallium	< 3.2	3.2	mg/Kg	05/31/12	EK	SW6010
Total Metals Digest	Completed			05/29/12	AG	SW846 - 3050
Vanadium	21.7	0.35	mg/Kg	05/31/12	EK	SW6010
Zinc	47.1	0.35	mg/Kg	05/31/12	EK	SW6010
Percent Solid	82		%	05/29/12	JL	E160.3
Soil Extraction for PCB	Completed			05/29/12	BB	SW3545
Soil Extraction for Pesticide	Completed			05/29/12	BB/F	SW3545
Soil Extraction for SVOA	Completed			05/29/12	BS/F	SW3545

Project ID: 333 WEST 38TH ST.
Client ID: SB-5S

Phoenix I.D.: BB91002

Parameter	Result	RL	Units	Date/Time	By	Reference	
Mercury Digestion	Completed			05/31/12	X/X	SW7471	
Polychlorinated Biphenyls							
PCB-1016	ND	400	ug/Kg	05/30/12	MH	SW 8082	
PCB-1221	ND	400	ug/Kg	05/30/12	MH	SW 8082	
PCB-1232	ND	400	ug/Kg	05/30/12	MH	SW 8082	
PCB-1242	ND	400	ug/Kg	05/30/12	MH	SW 8082	
PCB-1248	ND	400	ug/Kg	05/30/12	MH	SW 8082	
PCB-1254	ND	400	ug/Kg	05/30/12	MH	SW 8082	
PCB-1260	ND	400	ug/Kg	05/30/12	MH	SW 8082	
PCB-1262	ND	400	ug/Kg	05/30/12	MH	SW 8082	
PCB-1268	ND	400	ug/Kg	05/30/12	MH	SW 8082	
QA/QC Surrogates							
% DCBP	63		%	05/30/12	MH	30 - 150 %	
% TCMX	81		%	05/30/12	MH	30 - 150 %	
Pesticides							
4,4' -DDD	ND	39	ug/Kg	05/31/12	KCA	SW8081	
4,4' -DDE	ND	39	ug/Kg	05/31/12	KCA	SW8081	
4,4' -DDT	ND	39	ug/Kg	05/31/12	KCA	SW8081	
a-BHC	ND	19	ug/Kg	05/31/12	KCA	SW8081	
Alachlor	ND	19	ug/Kg	05/31/12	KCA	SW8081	1
Aldrin	ND	6.0	ug/Kg	05/31/12	KCA	SW8081	
b-BHC	ND	19	ug/Kg	05/31/12	KCA	SW8081	
Chlordane	ND	60	ug/Kg	05/31/12	KCA	SW8081	
d-BHC	ND	19	ug/Kg	05/31/12	KCA	SW8081	
Dieldrin	ND	6.0	ug/Kg	05/31/12	KCA	SW8081	
Endosulfan I	ND	19	ug/Kg	05/31/12	KCA	SW8081	
Endosulfan II	ND	39	ug/Kg	05/31/12	KCA	SW8081	
Endosulfan sulfate	ND	39	ug/Kg	05/31/12	KCA	SW8081	
Endrin	ND	39	ug/Kg	05/31/12	KCA	SW8081	
Endrin aldehyde	ND	39	ug/Kg	05/31/12	KCA	SW8081	
Endrin ketone	ND	39	ug/Kg	05/31/12	KCA	SW8081	
g-BHC	ND	6.0	ug/Kg	05/31/12	KCA	SW8081	
Heptachlor	ND	12	ug/Kg	05/31/12	KCA	SW8081	
Heptachlor epoxide	ND	19	ug/Kg	05/31/12	KCA	SW8081	
Methoxychlor	ND	190	ug/Kg	05/31/12	KCA	SW8081	
Toxaphene	ND	190	ug/Kg	05/31/12	KCA	SW8081	
QA/QC Surrogates							
% DCBP	47		%	05/31/12	KCA	30 - 150 %	
% TCMX	78		%	05/31/12	KCA	30 - 150 %	
Volatiles							
1,1,1,2-Tetrachloroethane	ND	6.1	ug/Kg	05/31/12	R/J	SW8260	
1,1,1-Trichloroethane	ND	6.1	ug/Kg	05/31/12	R/J	SW8260	
1,1,2,2-Tetrachloroethane	ND	6.1	ug/Kg	05/31/12	R/J	SW8260	
1,1,2-Trichloroethane	ND	6.1	ug/Kg	05/31/12	R/J	SW8260	
1,1-Dichloroethane	ND	6.1	ug/Kg	05/31/12	R/J	SW8260	
1,1-Dichloroethene	ND	6.1	ug/Kg	05/31/12	R/J	SW8260	
1,1-Dichloropropene	ND	6.1	ug/Kg	05/31/12	R/J	SW8260	
1,2,3-Trichlorobenzene	ND	6.1	ug/Kg	05/31/12	R/J	SW8260	1

Project ID: 333 WEST 38TH ST.
Client ID: SB-5S

Phoenix I.D.: BB91002

Parameter	Result	RL	Units	Date/Time	By	Reference	
1,2,3-Trichloropropane	ND	6.1	ug/Kg	05/31/12	R/J	SW8260	
1,2,4-Trichlorobenzene	ND	6.1	ug/Kg	05/31/12	R/J	SW8260	
1,2,4-Trimethylbenzene	ND	6.1	ug/Kg	05/31/12	R/J	SW8260	
1,2-Dibromo-3-chloropropane	ND	6.1	ug/Kg	05/31/12	R/J	SW8260	
1,2-Dibromoethane	ND	6.1	ug/Kg	05/31/12	R/J	SW8260	1P
1,2-Dichlorobenzene	ND	6.1	ug/Kg	05/31/12	R/J	SW8260	
1,2-Dichloroethane	ND	6.1	ug/Kg	05/31/12	R/J	SW8260	
1,2-Dichloropropane	ND	6.1	ug/Kg	05/31/12	R/J	SW8260	
1,3,5-Trimethylbenzene	ND	6.1	ug/Kg	05/31/12	R/J	SW8260	
1,3-Dichlorobenzene	ND	6.1	ug/Kg	05/31/12	R/J	SW8260	
1,3-Dichloropropane	ND	6.1	ug/Kg	05/31/12	R/J	SW8260	
1,4-Dichlorobenzene	ND	6.1	ug/Kg	05/31/12	R/J	SW8260	
2,2-Dichloropropane	ND	6.1	ug/Kg	05/31/12	R/J	SW8260	
2-Chlorotoluene	ND	6.1	ug/Kg	05/31/12	R/J	SW8260	
2-Hexanone	ND	30	ug/Kg	05/31/12	R/J	SW8260	
2-Isopropyltoluene	ND	6.1	ug/Kg	05/31/12	R/J	SW8260	1
4-Chlorotoluene	ND	6.1	ug/Kg	05/31/12	R/J	SW8260	
4-Methyl-2-pentanone	ND	30	ug/Kg	05/31/12	R/J	SW8260	
Acetone	ND	30	ug/Kg	05/31/12	R/J	SW8260	
Acrylonitrile	ND	12	ug/Kg	05/31/12	R/J	SW8260	
Benzene	ND	6.1	ug/Kg	05/31/12	R/J	SW8260	
Bromobenzene	ND	6.1	ug/Kg	05/31/12	R/J	SW8260	
Bromochloromethane	ND	6.1	ug/Kg	05/31/12	R/J	SW8260	
Bromodichloromethane	ND	6.1	ug/Kg	05/31/12	R/J	SW8260	
Bromoform	ND	6.1	ug/Kg	05/31/12	R/J	SW8260	
Bromomethane	ND	6.1	ug/Kg	05/31/12	R/J	SW8260	
Carbon Disulfide	ND	6.1	ug/Kg	05/31/12	R/J	SW8260	
Carbon tetrachloride	ND	6.1	ug/Kg	05/31/12	R/J	SW8260	
Chlorobenzene	ND	6.1	ug/Kg	05/31/12	R/J	SW8260	
Chloroethane	ND	6.1	ug/Kg	05/31/12	R/J	SW8260	
Chloroform	ND	6.1	ug/Kg	05/31/12	R/J	SW8260	
Chloromethane	ND	6.1	ug/Kg	05/31/12	R/J	SW8260	
cis-1,2-Dichloroethene	ND	6.1	ug/Kg	05/31/12	R/J	SW8260	
cis-1,3-Dichloropropene	ND	6.1	ug/Kg	05/31/12	R/J	SW8260	1
Dibromochloromethane	ND	6.1	ug/Kg	05/31/12	R/J	SW8260	
Dibromomethane	ND	6.1	ug/Kg	05/31/12	R/J	SW8260	
Dichlorodifluoromethane	ND	6.1	ug/Kg	05/31/12	R/J	SW8260	
Ethylbenzene	ND	6.1	ug/Kg	05/31/12	R/J	SW8260	
Hexachlorobutadiene	ND	6.1	ug/Kg	05/31/12	R/J	SW8260	1P
Isopropylbenzene	ND	6.1	ug/Kg	05/31/12	R/J	SW8260	
m&p-Xylene	ND	6.1	ug/Kg	05/31/12	R/J	SW8260	
Methyl Ethyl Ketone	ND	30	ug/Kg	05/31/12	R/J	SW8260	
Methyl t-butyl ether (MTBE)	ND	12	ug/Kg	05/31/12	R/J	SW8260	
Methylene chloride	ND	6.1	ug/Kg	05/31/12	R/J	SW8260	
Naphthalene	ND	6.1	ug/Kg	05/31/12	R/J	SW8260	
n-Butylbenzene	ND	6.1	ug/Kg	05/31/12	R/J	SW8260	
n-Propylbenzene	ND	6.1	ug/Kg	05/31/12	R/J	SW8260	
o-Xylene	ND	6.1	ug/Kg	05/31/12	R/J	SW8260	
p-Isopropyltoluene	ND	6.1	ug/Kg	05/31/12	R/J	SW8260	
sec-Butylbenzene	ND	6.1	ug/Kg	05/31/12	R/J	SW8260	

Parameter	Result	RL	Units	Date/Time	By	Reference	
Styrene	ND	6.1	ug/Kg	05/31/12	R/J	SW8260	
tert-Butylbenzene	ND	6.1	ug/Kg	05/31/12	R/J	SW8260	
Tetrachloroethene	ND	6.1	ug/Kg	05/31/12	R/J	SW8260	
Tetrahydrofuran (THF)	ND	12	ug/Kg	05/31/12	R/J	SW8260	1
Toluene	ND	6.1	ug/Kg	05/31/12	R/J	SW8260	
Total Xylenes	ND	6.1	ug/Kg	05/31/12	R/J	SW8260	
trans-1,2-Dichloroethene	ND	6.1	ug/Kg	05/31/12	R/J	SW8260	
trans-1,3-Dichloropropene	ND	6.1	ug/Kg	05/31/12	R/J	SW8260	
trans-1,4-dichloro-2-butene	ND	12	ug/Kg	05/31/12	R/J	SW8260	
Trichloroethene	ND	6.1	ug/Kg	05/31/12	R/J	SW8260	
Trichlorofluoromethane	ND	6.1	ug/Kg	05/31/12	R/J	SW8260	
Trichlorotrifluoroethane	ND	6.1	ug/Kg	05/31/12	R/J	SW8260	
Vinyl chloride	ND	6.1	ug/Kg	05/31/12	R/J	SW8260	
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	100		%	05/31/12	R/J	70 - 130 %	
% Bromofluorobenzene	89		%	05/31/12	R/J	70 - 130 %	
% Dibromofluoromethane	100		%	05/31/12	R/J	70 - 130 %	
% Toluene-d8	105		%	05/31/12	R/J	70 - 130 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	280	ug/Kg	05/30/12	DD	SW 8270
1,2,4-Trichlorobenzene	ND	280	ug/Kg	05/30/12	DD	SW 8270
1,2-Dichlorobenzene	ND	280	ug/Kg	05/30/12	DD	SW 8270
1,3-Dichlorobenzene	ND	280	ug/Kg	05/30/12	DD	SW 8270
1,4-Dichlorobenzene	ND	280	ug/Kg	05/30/12	DD	SW 8270
2,4,5-Trichlorophenol	ND	280	ug/Kg	05/30/12	DD	SW 8270
2,4,6-Trichlorophenol	ND	280	ug/Kg	05/30/12	DD	SW 8270
2,4-Dichlorophenol	ND	280	ug/Kg	05/30/12	DD	SW 8270
2,4-Dimethylphenol	ND	280	ug/Kg	05/30/12	DD	SW 8270
2,4-Dinitrophenol	ND	630	ug/Kg	05/30/12	DD	SW 8270
2,4-Dinitrotoluene	ND	280	ug/Kg	05/30/12	DD	SW 8270
2,6-Dinitrotoluene	ND	280	ug/Kg	05/30/12	DD	SW 8270
2-Chloronaphthalene	ND	280	ug/Kg	05/30/12	DD	SW 8270
2-Chlorophenol	ND	280	ug/Kg	05/30/12	DD	SW 8270
2-Methylnaphthalene	ND	280	ug/Kg	05/30/12	DD	SW 8270
2-Methylphenol (o-cresol)	ND	280	ug/Kg	05/30/12	DD	SW 8270
2-Nitroaniline	ND	630	ug/Kg	05/30/12	DD	SW 8270
2-Nitrophenol	ND	280	ug/Kg	05/30/12	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	390	ug/Kg	05/30/12	DD	SW 8270
3,3'-Dichlorobenzidine	ND	280	ug/Kg	05/30/12	DD	SW 8270
3-Nitroaniline	ND	630	ug/Kg	05/30/12	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1100	ug/Kg	05/30/12	DD	SW 8270
4-Bromophenyl phenyl ether	ND	390	ug/Kg	05/30/12	DD	SW 8270
4-Chloro-3-methylphenol	ND	280	ug/Kg	05/30/12	DD	SW 8270
4-Chloroaniline	ND	280	ug/Kg	05/30/12	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	280	ug/Kg	05/30/12	DD	SW 8270
4-Nitroaniline	ND	630	ug/Kg	05/30/12	DD	SW 8270
4-Nitrophenol	ND	1100	ug/Kg	05/30/12	DD	SW 8270
Acenaphthene	ND	280	ug/Kg	05/30/12	DD	SW 8270
Acenaphthylene	ND	280	ug/Kg	05/30/12	DD	SW 8270

Project ID: 333 WEST 38TH ST.
Client ID: SB-5S

Phoenix I.D.: BB91002

Parameter	Result	RL	Units	Date/Time	By	Reference	
Acetophenone	ND	280	ug/Kg	05/30/12	DD	SW 8270	
Aniline	ND	1100	ug/Kg	05/30/12	DD	SW 8270	LO
Anthracene	ND	280	ug/Kg	05/30/12	DD	SW 8270	
Azobenzene	ND	390	ug/Kg	05/30/12	DD	SW 8270	1
Benz(a)anthracene	ND	280	ug/Kg	05/30/12	DD	SW 8270	
Benzidine	ND	470	ug/Kg	05/30/12	DD	SW 8270	
Benzo(a)pyrene	ND	280	ug/Kg	05/30/12	DD	SW 8270	
Benzo(b)fluoranthene	ND	280	ug/Kg	05/30/12	DD	SW 8270	
Benzo(ghi)perylene	ND	280	ug/Kg	05/30/12	DD	SW 8270	
Benzo(k)fluoranthene	ND	280	ug/Kg	05/30/12	DD	SW 8270	
Benzoic acid	ND	1100	ug/Kg	05/30/12	DD	SW 8270	LO
Benzyl butyl phthalate	ND	280	ug/Kg	05/30/12	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	280	ug/Kg	05/30/12	DD	SW 8270	
Bis(2-chloroethyl)ether	ND	390	ug/Kg	05/30/12	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	280	ug/Kg	05/30/12	DD	SW 8270	
Bis(2-ethylhexyl)phthalate	ND	280	ug/Kg	05/30/12	DD	SW 8270	
Carbazole	ND	590	ug/Kg	05/30/12	DD	SW 8270	
Chrysene	ND	280	ug/Kg	05/30/12	DD	SW 8270	
Dibenz(a,h)anthracene	ND	280	ug/Kg	05/30/12	DD	SW 8270	
Dibenzofuran	ND	280	ug/Kg	05/30/12	DD	SW 8270	
Diethyl phthalate	ND	280	ug/Kg	05/30/12	DD	SW 8270	
Dimethylphthalate	ND	280	ug/Kg	05/30/12	DD	SW 8270	
Di-n-butylphthalate	ND	280	ug/Kg	05/30/12	DD	SW 8270	
Di-n-octylphthalate	ND	280	ug/Kg	05/30/12	DD	SW 8270	
Fluoranthene	ND	280	ug/Kg	05/30/12	DD	SW 8270	
Fluorene	ND	280	ug/Kg	05/30/12	DD	SW 8270	
Hexachlorobenzene	ND	280	ug/Kg	05/30/12	DD	SW 8270	
Hexachlorobutadiene	ND	280	ug/Kg	05/30/12	DD	SW 8270	
Hexachlorocyclopentadiene	ND	280	ug/Kg	05/30/12	DD	SW 8270	
Hexachloroethane	ND	280	ug/Kg	05/30/12	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND	280	ug/Kg	05/30/12	DD	SW 8270	
Isophorone	ND	280	ug/Kg	05/30/12	DD	SW 8270	
Naphthalene	ND	280	ug/Kg	05/30/12	DD	SW 8270	
Nitrobenzene	ND	280	ug/Kg	05/30/12	DD	SW 8270	
N-Nitrosodimethylamine	ND	390	ug/Kg	05/30/12	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	280	ug/Kg	05/30/12	DD	SW 8270	
N-Nitrosodiphenylamine	ND	390	ug/Kg	05/30/12	DD	SW 8270	
Pentachloronitrobenzene	ND	390	ug/Kg	05/30/12	DD	SW 8270	
Pentachlorophenol	ND	390	ug/Kg	05/30/12	DD	SW 8270	
Phenanthrene	ND	280	ug/Kg	05/30/12	DD	SW 8270	
Phenol	ND	280	ug/Kg	05/30/12	DD	SW 8270	
Pyrene	ND	280	ug/Kg	05/30/12	DD	SW 8270	
Pyridine	ND	390	ug/Kg	05/30/12	DD	SW 8270	
QA/QC Surrogates							
% 2,4,6-Tribromophenol	67		%	05/30/12	DD	15 - 130 %	
% 2-Fluorobiphenyl	69		%	05/30/12	DD	30 - 130 %	
% 2-Fluorophenol	47		%	05/30/12	DD	15 - 130 %	
% Nitrobenzene-d5	77		%	05/30/12	DD	30 - 130 %	
% Phenol-d5	62		%	05/30/12	DD	15 - 130 %	
% Terphenyl-d14	95		%	05/30/12	DD	30 - 130 %	

Project ID: 333 WEST 38TH ST.
Client ID: SB-5S

Phoenix I.D.: BB91002

Parameter	Result	RL	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.
1P = This parameter is pending certification by NY NELAC for this matrix.
1O = This parameter is not certified by NY NELAC for this matrix.

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

Comments:

All soils 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 06, 2012
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

Analysis Report

July 06, 2012

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

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	SD	05/24/12	0:00
Location Code:	GALLI-ENG	Received by:	LB	05/29/12	17:39
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBB90994
Phoenix ID: BB91003

Project ID: 333 WEST 38TH ST.
Client ID: SB-6

Parameter	Result	RL	Units	Date/Time	By	Reference
Silver	< 0.34	0.34	mg/Kg	05/31/12	EK	SW6010
Aluminum	3720	51	mg/Kg	06/04/12	EK	SW6010
Arsenic	1.24	0.68	mg/Kg	05/31/12	EK	SW6010
Barium	46.0	0.34	mg/Kg	05/31/12	EK	SW6010
Beryllium	< 0.27	0.27	mg/Kg	05/31/12	EK	SW6010
Calcium	1390	5.1	mg/Kg	05/31/12	EK	SW6010
Cadmium	< 0.34	0.34	mg/Kg	05/31/12	EK	SW6010
Cobalt	2.95	0.34	mg/Kg	05/31/12	EK	SW6010
Chromium	15.7	0.34	mg/Kg	05/31/12	EK	SW6010
Copper	9.29	0.34	mg/kg	05/31/12	EK	SW6010
Iron	7290	5.1	mg/Kg	05/31/12	EK	SW6010
Mercury	0.12	0.07	mg/Kg	05/31/12	RS	SW-7471
Potassium	825	51	mg/Kg	06/01/12	LK	SW6010
Magnesium	1530	5.1	mg/Kg	05/31/12	EK	SW6010
Manganese	70.8	0.34	mg/Kg	05/31/12	EK	SW6010
Sodium	151	5.1	mg/Kg	05/31/12	EK	SW6010
Nickel	9.38	0.34	mg/Kg	05/31/12	EK	SW6010
Lead	13.1	0.34	mg/Kg	05/31/12	EK	SW6010
Antimony	< 3.4	3.4	mg/Kg	05/31/12	EK	SW6010
Selenium	< 1.4	1.4	mg/Kg	05/31/12	EK	SW6010
Thallium	< 3.1	3.1	mg/Kg	05/31/12	EK	SW6010
Total Metals Digest	Completed			05/29/12	AG	SW846 - 3050
Vanadium	10.7	0.34	mg/Kg	05/31/12	EK	SW6010
Zinc	21.0	0.34	mg/Kg	05/31/12	EK	SW6010
Percent Solid	94		%	05/29/12	JL	E160.3
Soil Extraction for PCB	Completed			05/29/12	BB	SW3545
Soil Extraction for Pesticide	Completed			05/29/12	BB/F	SW3545
Soil Extraction for SVOA	Completed			05/29/12	BS/F	SW3545

Project ID: 333 WEST 38TH ST.
Client ID: SB-6

Phoenix I.D.: BB91003

Parameter	Result	RL	Units	Date/Time	By	Reference	
Mercury Digestion	Completed			05/31/12	X/X	SW7471	
Polychlorinated Biphenyls							
PCB-1016	ND	350	ug/Kg	05/30/12	MH	SW 8082	
PCB-1221	ND	350	ug/Kg	05/30/12	MH	SW 8082	
PCB-1232	ND	350	ug/Kg	05/30/12	MH	SW 8082	
PCB-1242	ND	350	ug/Kg	05/30/12	MH	SW 8082	
PCB-1248	ND	350	ug/Kg	05/30/12	MH	SW 8082	
PCB-1254	ND	350	ug/Kg	05/30/12	MH	SW 8082	
PCB-1260	ND	350	ug/Kg	05/30/12	MH	SW 8082	
PCB-1262	ND	350	ug/Kg	05/30/12	MH	SW 8082	
PCB-1268	ND	350	ug/Kg	05/30/12	MH	SW 8082	
QA/QC Surrogates							
% DCBP	71		%	05/30/12	MH	30 - 150 %	
% TCMX	93		%	05/30/12	MH	30 - 150 %	
Pesticides							
4,4' -DDD	ND	33	ug/Kg	05/31/12	KCA	SW8081	
4,4' -DDE	ND	33	ug/Kg	05/31/12	KCA	SW8081	
4,4' -DDT	ND	33	ug/Kg	05/31/12	KCA	SW8081	
a-BHC	ND	17	ug/Kg	05/31/12	KCA	SW8081	
Alachlor	ND	17	ug/Kg	05/31/12	KCA	SW8081	1
Aldrin	ND	5.2	ug/Kg	05/31/12	KCA	SW8081	
b-BHC	ND	17	ug/Kg	05/31/12	KCA	SW8081	
Chlordane	ND	52	ug/Kg	05/31/12	KCA	SW8081	
d-BHC	ND	17	ug/Kg	05/31/12	KCA	SW8081	
Dieldrin	ND	5.2	ug/Kg	05/31/12	KCA	SW8081	
Endosulfan I	ND	17	ug/Kg	05/31/12	KCA	SW8081	
Endosulfan II	ND	33	ug/Kg	05/31/12	KCA	SW8081	
Endosulfan sulfate	ND	33	ug/Kg	05/31/12	KCA	SW8081	
Endrin	ND	33	ug/Kg	05/31/12	KCA	SW8081	
Endrin aldehyde	ND	33	ug/Kg	05/31/12	KCA	SW8081	
Endrin ketone	ND	33	ug/Kg	05/31/12	KCA	SW8081	
g-BHC	ND	5.2	ug/Kg	05/31/12	KCA	SW8081	
Heptachlor	ND	10	ug/Kg	05/31/12	KCA	SW8081	
Heptachlor epoxide	ND	17	ug/Kg	05/31/12	KCA	SW8081	
Methoxychlor	ND	170	ug/Kg	05/31/12	KCA	SW8081	
Toxaphene	ND	170	ug/Kg	05/31/12	KCA	SW8081	
QA/QC Surrogates							
% DCBP	57		%	05/31/12	KCA	30 - 150 %	
% TCMX	90		%	05/31/12	KCA	30 - 150 %	
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.3	ug/Kg	05/31/12	R/J	SW8260	
1,1,1-Trichloroethane	ND	5.3	ug/Kg	05/31/12	R/J	SW8260	
1,1,2,2-Tetrachloroethane	ND	5.3	ug/Kg	05/31/12	R/J	SW8260	
1,1,2-Trichloroethane	ND	5.3	ug/Kg	05/31/12	R/J	SW8260	
1,1-Dichloroethane	ND	5.3	ug/Kg	05/31/12	R/J	SW8260	
1,1-Dichloroethene	ND	5.3	ug/Kg	05/31/12	R/J	SW8260	
1,1-Dichloropropene	ND	5.3	ug/Kg	05/31/12	R/J	SW8260	
1,2,3-Trichlorobenzene	ND	5.3	ug/Kg	05/31/12	R/J	SW8260	1

Project ID: 333 WEST 38TH ST.
Client ID: SB-6

Phoenix I.D.: BB91003

Parameter	Result	RL	Units	Date/Time	By	Reference	
1,2,3-Trichloropropane	ND	5.3	ug/Kg	05/31/12	R/J	SW8260	
1,2,4-Trichlorobenzene	ND	5.3	ug/Kg	05/31/12	R/J	SW8260	
1,2,4-Trimethylbenzene	ND	5.3	ug/Kg	05/31/12	R/J	SW8260	
1,2-Dibromo-3-chloropropane	ND	5.3	ug/Kg	05/31/12	R/J	SW8260	
1,2-Dibromoethane	ND	5.3	ug/Kg	05/31/12	R/J	SW8260	LP
1,2-Dichlorobenzene	ND	5.3	ug/Kg	05/31/12	R/J	SW8260	
1,2-Dichloroethane	ND	5.3	ug/Kg	05/31/12	R/J	SW8260	
1,2-Dichloropropane	ND	5.3	ug/Kg	05/31/12	R/J	SW8260	
1,3,5-Trimethylbenzene	ND	5.3	ug/Kg	05/31/12	R/J	SW8260	
1,3-Dichlorobenzene	ND	5.3	ug/Kg	05/31/12	R/J	SW8260	
1,3-Dichloropropane	ND	5.3	ug/Kg	05/31/12	R/J	SW8260	
1,4-Dichlorobenzene	ND	5.3	ug/Kg	05/31/12	R/J	SW8260	
2,2-Dichloropropane	ND	5.3	ug/Kg	05/31/12	R/J	SW8260	
2-Chlorotoluene	ND	5.3	ug/Kg	05/31/12	R/J	SW8260	
2-Hexanone	ND	27	ug/Kg	05/31/12	R/J	SW8260	
2-Isopropyltoluene	ND	5.3	ug/Kg	05/31/12	R/J	SW8260	1
4-Chlorotoluene	ND	5.3	ug/Kg	05/31/12	R/J	SW8260	
4-Methyl-2-pentanone	ND	27	ug/Kg	05/31/12	R/J	SW8260	
Acetone	ND	27	ug/Kg	05/31/12	R/J	SW8260	
Acrylonitrile	ND	11	ug/Kg	05/31/12	R/J	SW8260	
Benzene	ND	5.3	ug/Kg	05/31/12	R/J	SW8260	
Bromobenzene	ND	5.3	ug/Kg	05/31/12	R/J	SW8260	
Bromochloromethane	ND	5.3	ug/Kg	05/31/12	R/J	SW8260	
Bromodichloromethane	ND	5.3	ug/Kg	05/31/12	R/J	SW8260	
Bromoform	ND	5.3	ug/Kg	05/31/12	R/J	SW8260	
Bromomethane	ND	5.3	ug/Kg	05/31/12	R/J	SW8260	
Carbon Disulfide	ND	5.3	ug/Kg	05/31/12	R/J	SW8260	
Carbon tetrachloride	ND	5.3	ug/Kg	05/31/12	R/J	SW8260	
Chlorobenzene	ND	5.3	ug/Kg	05/31/12	R/J	SW8260	
Chloroethane	ND	5.3	ug/Kg	05/31/12	R/J	SW8260	
Chloroform	ND	5.3	ug/Kg	05/31/12	R/J	SW8260	
Chloromethane	ND	5.3	ug/Kg	05/31/12	R/J	SW8260	
cis-1,2-Dichloroethene	ND	5.3	ug/Kg	05/31/12	R/J	SW8260	
cis-1,3-Dichloropropene	ND	5.3	ug/Kg	05/31/12	R/J	SW8260	1
Dibromochloromethane	ND	5.3	ug/Kg	05/31/12	R/J	SW8260	
Dibromomethane	ND	5.3	ug/Kg	05/31/12	R/J	SW8260	
Dichlorodifluoromethane	ND	5.3	ug/Kg	05/31/12	R/J	SW8260	
Ethylbenzene	ND	5.3	ug/Kg	05/31/12	R/J	SW8260	
Hexachlorobutadiene	ND	5.3	ug/Kg	05/31/12	R/J	SW8260	LP
Isopropylbenzene	ND	5.3	ug/Kg	05/31/12	R/J	SW8260	
m&p-Xylene	ND	5.3	ug/Kg	05/31/12	R/J	SW8260	
Methyl Ethyl Ketone	ND	27	ug/Kg	05/31/12	R/J	SW8260	
Methyl t-butyl ether (MTBE)	ND	11	ug/Kg	05/31/12	R/J	SW8260	
Methylene chloride	ND	5.3	ug/Kg	05/31/12	R/J	SW8260	
Naphthalene	ND	5.3	ug/Kg	05/31/12	R/J	SW8260	
n-Butylbenzene	ND	5.3	ug/Kg	05/31/12	R/J	SW8260	
n-Propylbenzene	ND	5.3	ug/Kg	05/31/12	R/J	SW8260	
o-Xylene	ND	5.3	ug/Kg	05/31/12	R/J	SW8260	
p-Isopropyltoluene	ND	5.3	ug/Kg	05/31/12	R/J	SW8260	
sec-Butylbenzene	ND	5.3	ug/Kg	05/31/12	R/J	SW8260	

Project ID: 333 WEST 38TH ST.
Client ID: SB-6

Phoenix I.D.: BB91003

Parameter	Result	RL	Units	Date/Time	By	Reference	
Styrene	ND	5.3	ug/Kg	05/31/12	R/J	SW8260	
tert-Butylbenzene	ND	5.3	ug/Kg	05/31/12	R/J	SW8260	
Tetrachloroethene	ND	5.3	ug/Kg	05/31/12	R/J	SW8260	
Tetrahydrofuran (THF)	ND	11	ug/Kg	05/31/12	R/J	SW8260	1
Toluene	ND	5.3	ug/Kg	05/31/12	R/J	SW8260	
Total Xylenes	ND	5.3	ug/Kg	05/31/12	R/J	SW8260	
trans-1,2-Dichloroethene	ND	5.3	ug/Kg	05/31/12	R/J	SW8260	
trans-1,3-Dichloropropene	ND	5.3	ug/Kg	05/31/12	R/J	SW8260	
trans-1,4-dichloro-2-butene	ND	11	ug/Kg	05/31/12	R/J	SW8260	
Trichloroethene	ND	5.3	ug/Kg	05/31/12	R/J	SW8260	
Trichlorofluoromethane	ND	5.3	ug/Kg	05/31/12	R/J	SW8260	
Trichlorotrifluoroethane	ND	5.3	ug/Kg	05/31/12	R/J	SW8260	
Vinyl chloride	ND	5.3	ug/Kg	05/31/12	R/J	SW8260	
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	101		%	05/31/12	R/J	70 - 130 %	
% Bromofluorobenzene	88		%	05/31/12	R/J	70 - 130 %	
% Dibromofluoromethane	96		%	05/31/12	R/J	70 - 130 %	
% Toluene-d8	108		%	05/31/12	R/J	70 - 130 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	250	ug/Kg	05/30/12	DD	SW 8270
1,2,4-Trichlorobenzene	ND	250	ug/Kg	05/30/12	DD	SW 8270
1,2-Dichlorobenzene	ND	250	ug/Kg	05/30/12	DD	SW 8270
1,3-Dichlorobenzene	ND	250	ug/Kg	05/30/12	DD	SW 8270
1,4-Dichlorobenzene	ND	250	ug/Kg	05/30/12	DD	SW 8270
2,4,5-Trichlorophenol	ND	250	ug/Kg	05/30/12	DD	SW 8270
2,4,6-Trichlorophenol	ND	250	ug/Kg	05/30/12	DD	SW 8270
2,4-Dichlorophenol	ND	250	ug/Kg	05/30/12	DD	SW 8270
2,4-Dimethylphenol	ND	250	ug/Kg	05/30/12	DD	SW 8270
2,4-Dinitrophenol	ND	560	ug/Kg	05/30/12	DD	SW 8270
2,4-Dinitrotoluene	ND	250	ug/Kg	05/30/12	DD	SW 8270
2,6-Dinitrotoluene	ND	250	ug/Kg	05/30/12	DD	SW 8270
2-Chloronaphthalene	ND	250	ug/Kg	05/30/12	DD	SW 8270
2-Chlorophenol	ND	250	ug/Kg	05/30/12	DD	SW 8270
2-Methylnaphthalene	ND	250	ug/Kg	05/30/12	DD	SW 8270
2-Methylphenol (o-cresol)	ND	250	ug/Kg	05/30/12	DD	SW 8270
2-Nitroaniline	ND	560	ug/Kg	05/30/12	DD	SW 8270
2-Nitrophenol	ND	250	ug/Kg	05/30/12	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	350	ug/Kg	05/30/12	DD	SW 8270
3,3'-Dichlorobenzidine	ND	250	ug/Kg	05/30/12	DD	SW 8270
3-Nitroaniline	ND	560	ug/Kg	05/30/12	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1000	ug/Kg	05/30/12	DD	SW 8270
4-Bromophenyl phenyl ether	ND	350	ug/Kg	05/30/12	DD	SW 8270
4-Chloro-3-methylphenol	ND	250	ug/Kg	05/30/12	DD	SW 8270
4-Chloroaniline	ND	250	ug/Kg	05/30/12	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	250	ug/Kg	05/30/12	DD	SW 8270
4-Nitroaniline	ND	560	ug/Kg	05/30/12	DD	SW 8270
4-Nitrophenol	ND	1000	ug/Kg	05/30/12	DD	SW 8270
Acenaphthene	ND	250	ug/Kg	05/30/12	DD	SW 8270
Acenaphthylene	ND	250	ug/Kg	05/30/12	DD	SW 8270

Project ID: 333 WEST 38TH ST.
Client ID: SB-6

Phoenix I.D.: BB91003

Parameter	Result	RL	Units	Date/Time	By	Reference	
Acetophenone	ND	250	ug/Kg	05/30/12	DD	SW 8270	
Aniline	ND	1000	ug/Kg	05/30/12	DD	SW 8270	LO
Anthracene	ND	250	ug/Kg	05/30/12	DD	SW 8270	
Azobenzene	ND	350	ug/Kg	05/30/12	DD	SW 8270	1
Benz(a)anthracene	ND	250	ug/Kg	05/30/12	DD	SW 8270	
Benzidine	ND	420	ug/Kg	05/30/12	DD	SW 8270	
Benzo(a)pyrene	ND	250	ug/Kg	05/30/12	DD	SW 8270	
Benzo(b)fluoranthene	ND	250	ug/Kg	05/30/12	DD	SW 8270	
Benzo(ghi)perylene	ND	250	ug/Kg	05/30/12	DD	SW 8270	
Benzo(k)fluoranthene	ND	250	ug/Kg	05/30/12	DD	SW 8270	
Benzoic acid	ND	1000	ug/Kg	05/30/12	DD	SW 8270	LO
Benzyl butyl phthalate	ND	250	ug/Kg	05/30/12	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	250	ug/Kg	05/30/12	DD	SW 8270	
Bis(2-chloroethyl)ether	ND	350	ug/Kg	05/30/12	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	250	ug/Kg	05/30/12	DD	SW 8270	
Bis(2-ethylhexyl)phthalate	ND	250	ug/Kg	05/30/12	DD	SW 8270	
Carbazole	ND	530	ug/Kg	05/30/12	DD	SW 8270	
Chrysene	ND	250	ug/Kg	05/30/12	DD	SW 8270	
Dibenz(a,h)anthracene	ND	250	ug/Kg	05/30/12	DD	SW 8270	
Dibenzofuran	ND	250	ug/Kg	05/30/12	DD	SW 8270	
Diethyl phthalate	ND	250	ug/Kg	05/30/12	DD	SW 8270	
Dimethylphthalate	ND	250	ug/Kg	05/30/12	DD	SW 8270	
Di-n-butylphthalate	ND	250	ug/Kg	05/30/12	DD	SW 8270	
Di-n-octylphthalate	ND	250	ug/Kg	05/30/12	DD	SW 8270	
Fluoranthene	ND	250	ug/Kg	05/30/12	DD	SW 8270	
Fluorene	ND	250	ug/Kg	05/30/12	DD	SW 8270	
Hexachlorobenzene	ND	250	ug/Kg	05/30/12	DD	SW 8270	
Hexachlorobutadiene	ND	250	ug/Kg	05/30/12	DD	SW 8270	
Hexachlorocyclopentadiene	ND	250	ug/Kg	05/30/12	DD	SW 8270	
Hexachloroethane	ND	250	ug/Kg	05/30/12	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND	250	ug/Kg	05/30/12	DD	SW 8270	
Isophorone	ND	250	ug/Kg	05/30/12	DD	SW 8270	
Naphthalene	ND	250	ug/Kg	05/30/12	DD	SW 8270	
Nitrobenzene	ND	250	ug/Kg	05/30/12	DD	SW 8270	
N-Nitrosodimethylamine	ND	350	ug/Kg	05/30/12	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	250	ug/Kg	05/30/12	DD	SW 8270	
N-Nitrosodiphenylamine	ND	350	ug/Kg	05/30/12	DD	SW 8270	
Pentachloronitrobenzene	ND	350	ug/Kg	05/30/12	DD	SW 8270	
Pentachlorophenol	ND	350	ug/Kg	05/30/12	DD	SW 8270	
Phenanthrene	ND	250	ug/Kg	05/30/12	DD	SW 8270	
Phenol	ND	250	ug/Kg	05/30/12	DD	SW 8270	
Pyrene	ND	250	ug/Kg	05/30/12	DD	SW 8270	
Pyridine	ND	350	ug/Kg	05/30/12	DD	SW 8270	
QA/QC Surrogates							
% 2,4,6-Tribromophenol	93		%	05/30/12	DD	15 - 130 %	
% 2-Fluorobiphenyl	84		%	05/30/12	DD	30 - 130 %	
% 2-Fluorophenol	83		%	05/30/12	DD	15 - 130 %	
% Nitrobenzene-d5	86		%	05/30/12	DD	30 - 130 %	
% Phenol-d5	83		%	05/30/12	DD	15 - 130 %	
% Terphenyl-d14	99		%	05/30/12	DD	30 - 130 %	

Project ID: 333 WEST 38TH ST.
Client ID: SB-6

Phoenix I.D.: BB91003

Parameter	Result	RL	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.
1P = This parameter is pending certification by NY NELAC for this matrix.
1O = This parameter is not certified by NY NELAC for this matrix.

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

Comments:

All soils 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 06, 2012
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

July 06, 2012

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

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	SD	05/24/12	0:00
Location Code:	GALLI-ENG	Received by:	LB	05/29/12	17:39
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBB90994
Phoenix ID: BB91004

Project ID: 333 WEST 38TH ST.
Client ID: SB-6S

Parameter	Result	RL	Units	Date/Time	By	Reference
Silver	< 0.43	0.43	mg/Kg	05/31/12	EK	SW6010
Aluminum	12300	64	mg/Kg	06/04/12	EK	SW6010
Arsenic	7.93	0.86	mg/Kg	05/31/12	EK	SW6010
Barium	120	0.43	mg/Kg	05/31/12	EK	SW6010
Beryllium	0.59	0.34	mg/Kg	05/31/12	EK	SW6010
Calcium	1580	6.4	mg/Kg	05/31/12	EK	SW6010
Cadmium	< 0.43	0.43	mg/Kg	05/31/12	EK	SW6010
Cobalt	10.2	0.43	mg/Kg	05/31/12	EK	SW6010
Chromium	14.8	0.43	mg/Kg	05/31/12	EK	SW6010
Copper	4.15	0.43	mg/kg	05/31/12	EK	SW6010
Iron	23900	64	mg/Kg	06/01/12	LK	SW6010
Mercury	0.46	0.08	mg/Kg	05/31/12	RS	SW-7471
Potassium	859	64	mg/Kg	06/01/12	LK	SW6010
Magnesium	2290	6.4	mg/Kg	05/31/12	EK	SW6010
Manganese	534	4.3	mg/Kg	06/01/12	LK	SW6010
Sodium	113	6.4	mg/Kg	05/31/12	EK	SW6010
Nickel	13.4	0.43	mg/Kg	05/31/12	EK	SW6010
Lead	10.5	0.43	mg/Kg	05/31/12	EK	SW6010
Antimony	< 4.3	4.3	mg/Kg	05/31/12	EK	SW6010
Selenium	< 1.7	1.7	mg/Kg	05/31/12	EK	SW6010
Thallium	< 3.9	3.9	mg/Kg	05/31/12	EK	SW6010
Total Metals Digest	Completed			05/29/12	AG	SW846 - 3050
Vanadium	18.1	0.43	mg/Kg	05/31/12	EK	SW6010
Zinc	46.3	0.43	mg/Kg	05/31/12	EK	SW6010
Percent Solid	82		%	05/29/12	JL	E160.3
Soil Extraction for PCB	Completed			05/29/12	BB	SW3545
Soil Extraction for Pesticide	Completed			05/29/12	BB/F	SW3545
Soil Extraction for SVOA	Completed			05/29/12	BS/F	SW3545

Project ID: 333 WEST 38TH ST.
Client ID: SB-6S

Phoenix I.D.: BB91004

Parameter	Result	RL	Units	Date/Time	By	Reference	
Mercury Digestion	Completed			05/31/12	X/X	SW7471	
Polychlorinated Biphenyls							
PCB-1016	ND	390	ug/Kg	05/30/12	MH	SW 8082	
PCB-1221	ND	390	ug/Kg	05/30/12	MH	SW 8082	
PCB-1232	ND	390	ug/Kg	05/30/12	MH	SW 8082	
PCB-1242	ND	390	ug/Kg	05/30/12	MH	SW 8082	
PCB-1248	ND	390	ug/Kg	05/30/12	MH	SW 8082	
PCB-1254	ND	390	ug/Kg	05/30/12	MH	SW 8082	
PCB-1260	ND	390	ug/Kg	05/30/12	MH	SW 8082	
PCB-1262	ND	390	ug/Kg	05/30/12	MH	SW 8082	
PCB-1268	ND	390	ug/Kg	05/30/12	MH	SW 8082	
QA/QC Surrogates							
% DCBP	61		%	05/30/12	MH	30 - 150 %	
% TCMX	90		%	05/30/12	MH	30 - 150 %	
Pesticides							
4,4' -DDD	ND	38	ug/Kg	05/31/12	KCA	SW8081	
4,4' -DDE	ND	38	ug/Kg	05/31/12	KCA	SW8081	
4,4' -DDT	ND	38	ug/Kg	05/31/12	KCA	SW8081	
a-BHC	ND	19	ug/Kg	05/31/12	KCA	SW8081	
Alachlor	ND	19	ug/Kg	05/31/12	KCA	SW8081	1
Aldrin	ND	5.9	ug/Kg	05/31/12	KCA	SW8081	
b-BHC	ND	19	ug/Kg	05/31/12	KCA	SW8081	
Chlordane	ND	59	ug/Kg	05/31/12	KCA	SW8081	
d-BHC	ND	19	ug/Kg	05/31/12	KCA	SW8081	
Dieldrin	ND	5.9	ug/Kg	05/31/12	KCA	SW8081	
Endosulfan I	ND	19	ug/Kg	05/31/12	KCA	SW8081	
Endosulfan II	ND	38	ug/Kg	05/31/12	KCA	SW8081	
Endosulfan sulfate	ND	38	ug/Kg	05/31/12	KCA	SW8081	
Endrin	ND	38	ug/Kg	05/31/12	KCA	SW8081	
Endrin aldehyde	ND	38	ug/Kg	05/31/12	KCA	SW8081	
Endrin ketone	ND	38	ug/Kg	05/31/12	KCA	SW8081	
g-BHC	ND	5.9	ug/Kg	05/31/12	KCA	SW8081	
Heptachlor	ND	12	ug/Kg	05/31/12	KCA	SW8081	
Heptachlor epoxide	ND	19	ug/Kg	05/31/12	KCA	SW8081	
Methoxychlor	ND	190	ug/Kg	05/31/12	KCA	SW8081	
Toxaphene	ND	190	ug/Kg	05/31/12	KCA	SW8081	
QA/QC Surrogates							
% DCBP	47		%	05/31/12	KCA	30 - 150 %	
% TCMX	86		%	05/31/12	KCA	30 - 150 %	
Volatiles							
1,1,1,2-Tetrachloroethane	ND	6.1	ug/Kg	06/01/12	R/J	SW8260	
1,1,1-Trichloroethane	ND	6.1	ug/Kg	06/01/12	R/J	SW8260	
1,1,2,2-Tetrachloroethane	ND	6.1	ug/Kg	06/01/12	R/J	SW8260	
1,1,2-Trichloroethane	ND	6.1	ug/Kg	06/01/12	R/J	SW8260	
1,1-Dichloroethane	ND	6.1	ug/Kg	06/01/12	R/J	SW8260	
1,1-Dichloroethene	ND	6.1	ug/Kg	06/01/12	R/J	SW8260	
1,1-Dichloropropene	ND	6.1	ug/Kg	06/01/12	R/J	SW8260	
1,2,3-Trichlorobenzene	ND	6.1	ug/Kg	06/01/12	R/J	SW8260	1

Project ID: 333 WEST 38TH ST.
Client ID: SB-6S

Phoenix I.D.: BB91004

Parameter	Result	RL	Units	Date/Time	By	Reference	
1,2,3-Trichloropropane	ND	6.1	ug/Kg	06/01/12	R/J	SW8260	
1,2,4-Trichlorobenzene	ND	6.1	ug/Kg	06/01/12	R/J	SW8260	
1,2,4-Trimethylbenzene	ND	6.1	ug/Kg	06/01/12	R/J	SW8260	
1,2-Dibromo-3-chloropropane	ND	6.1	ug/Kg	06/01/12	R/J	SW8260	
1,2-Dibromoethane	ND	6.1	ug/Kg	06/01/12	R/J	SW8260	LP
1,2-Dichlorobenzene	ND	6.1	ug/Kg	06/01/12	R/J	SW8260	
1,2-Dichloroethane	ND	6.1	ug/Kg	06/01/12	R/J	SW8260	
1,2-Dichloropropane	ND	6.1	ug/Kg	06/01/12	R/J	SW8260	
1,3,5-Trimethylbenzene	ND	6.1	ug/Kg	06/01/12	R/J	SW8260	
1,3-Dichlorobenzene	ND	6.1	ug/Kg	06/01/12	R/J	SW8260	
1,3-Dichloropropane	ND	6.1	ug/Kg	06/01/12	R/J	SW8260	
1,4-Dichlorobenzene	ND	6.1	ug/Kg	06/01/12	R/J	SW8260	
2,2-Dichloropropane	ND	6.1	ug/Kg	06/01/12	R/J	SW8260	
2-Chlorotoluene	ND	6.1	ug/Kg	06/01/12	R/J	SW8260	
2-Hexanone	ND	30	ug/Kg	06/01/12	R/J	SW8260	
2-Isopropyltoluene	ND	6.1	ug/Kg	06/01/12	R/J	SW8260	1
4-Chlorotoluene	ND	6.1	ug/Kg	06/01/12	R/J	SW8260	
4-Methyl-2-pentanone	ND	30	ug/Kg	06/01/12	R/J	SW8260	
Acetone	ND	30	ug/Kg	06/01/12	R/J	SW8260	B
Acrylonitrile	ND	12	ug/Kg	06/01/12	R/J	SW8260	
Benzene	ND	6.1	ug/Kg	06/01/12	R/J	SW8260	
Bromobenzene	ND	6.1	ug/Kg	06/01/12	R/J	SW8260	
Bromochloromethane	ND	6.1	ug/Kg	06/01/12	R/J	SW8260	
Bromodichloromethane	ND	6.1	ug/Kg	06/01/12	R/J	SW8260	
Bromoform	ND	6.1	ug/Kg	06/01/12	R/J	SW8260	
Bromomethane	ND	6.1	ug/Kg	06/01/12	R/J	SW8260	
Carbon Disulfide	ND	6.1	ug/Kg	06/01/12	R/J	SW8260	
Carbon tetrachloride	ND	6.1	ug/Kg	06/01/12	R/J	SW8260	
Chlorobenzene	ND	6.1	ug/Kg	06/01/12	R/J	SW8260	
Chloroethane	ND	6.1	ug/Kg	06/01/12	R/J	SW8260	
Chloroform	ND	6.1	ug/Kg	06/01/12	R/J	SW8260	
Chloromethane	ND	6.1	ug/Kg	06/01/12	R/J	SW8260	
cis-1,2-Dichloroethene	ND	6.1	ug/Kg	06/01/12	R/J	SW8260	
cis-1,3-Dichloropropene	ND	6.1	ug/Kg	06/01/12	R/J	SW8260	1
Dibromochloromethane	ND	6.1	ug/Kg	06/01/12	R/J	SW8260	
Dibromomethane	ND	6.1	ug/Kg	06/01/12	R/J	SW8260	
Dichlorodifluoromethane	ND	6.1	ug/Kg	06/01/12	R/J	SW8260	
Ethylbenzene	ND	6.1	ug/Kg	06/01/12	R/J	SW8260	
Hexachlorobutadiene	ND	6.1	ug/Kg	06/01/12	R/J	SW8260	LP
Isopropylbenzene	ND	6.1	ug/Kg	06/01/12	R/J	SW8260	
m&p-Xylene	ND	6.1	ug/Kg	06/01/12	R/J	SW8260	
Methyl Ethyl Ketone	ND	30	ug/Kg	06/01/12	R/J	SW8260	
Methyl t-butyl ether (MTBE)	ND	12	ug/Kg	06/01/12	R/J	SW8260	
Methylene chloride	ND	6.1	ug/Kg	06/01/12	R/J	SW8260	B
Naphthalene	ND	6.1	ug/Kg	06/01/12	R/J	SW8260	
n-Butylbenzene	ND	6.1	ug/Kg	06/01/12	R/J	SW8260	
n-Propylbenzene	ND	6.1	ug/Kg	06/01/12	R/J	SW8260	
o-Xylene	ND	6.1	ug/Kg	06/01/12	R/J	SW8260	
p-Isopropyltoluene	ND	6.1	ug/Kg	06/01/12	R/J	SW8260	
sec-Butylbenzene	ND	6.1	ug/Kg	06/01/12	R/J	SW8260	

Project ID: 333 WEST 38TH ST.
Client ID: SB-6S

Phoenix I.D.: BB91004

Parameter	Result	RL	Units	Date/Time	By	Reference	
Styrene	ND	6.1	ug/Kg	06/01/12	R/J	SW8260	
tert-Butylbenzene	ND	6.1	ug/Kg	06/01/12	R/J	SW8260	
Tetrachloroethene	ND	6.1	ug/Kg	06/01/12	R/J	SW8260	
Tetrahydrofuran (THF)	ND	12	ug/Kg	06/01/12	R/J	SW8260	1
Toluene	ND	6.1	ug/Kg	06/01/12	R/J	SW8260	
Total Xylenes	ND	6.1	ug/Kg	06/01/12	R/J	SW8260	
trans-1,2-Dichloroethene	ND	6.1	ug/Kg	06/01/12	R/J	SW8260	
trans-1,3-Dichloropropene	ND	6.1	ug/Kg	06/01/12	R/J	SW8260	
trans-1,4-dichloro-2-butene	ND	12	ug/Kg	06/01/12	R/J	SW8260	
Trichloroethene	ND	6.1	ug/Kg	06/01/12	R/J	SW8260	
Trichlorofluoromethane	ND	6.1	ug/Kg	06/01/12	R/J	SW8260	
Trichlorotrifluoroethane	ND	6.1	ug/Kg	06/01/12	R/J	SW8260	
Vinyl chloride	ND	6.1	ug/Kg	06/01/12	R/J	SW8260	
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	104		%	06/01/12	R/J	70 - 130 %	
% Bromofluorobenzene	94		%	06/01/12	R/J	70 - 130 %	
% Dibromofluoromethane	100		%	06/01/12	R/J	70 - 130 %	
% Toluene-d8	104		%	06/01/12	R/J	70 - 130 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	280	ug/Kg	05/30/12	DD	SW 8270
1,2,4-Trichlorobenzene	ND	280	ug/Kg	05/30/12	DD	SW 8270
1,2-Dichlorobenzene	ND	280	ug/Kg	05/30/12	DD	SW 8270
1,3-Dichlorobenzene	ND	280	ug/Kg	05/30/12	DD	SW 8270
1,4-Dichlorobenzene	ND	280	ug/Kg	05/30/12	DD	SW 8270
2,4,5-Trichlorophenol	ND	280	ug/Kg	05/30/12	DD	SW 8270
2,4,6-Trichlorophenol	ND	280	ug/Kg	05/30/12	DD	SW 8270
2,4-Dichlorophenol	ND	280	ug/Kg	05/30/12	DD	SW 8270
2,4-Dimethylphenol	ND	280	ug/Kg	05/30/12	DD	SW 8270
2,4-Dinitrophenol	ND	650	ug/Kg	05/30/12	DD	SW 8270
2,4-Dinitrotoluene	ND	280	ug/Kg	05/30/12	DD	SW 8270
2,6-Dinitrotoluene	ND	280	ug/Kg	05/30/12	DD	SW 8270
2-Chloronaphthalene	ND	280	ug/Kg	05/30/12	DD	SW 8270
2-Chlorophenol	ND	280	ug/Kg	05/30/12	DD	SW 8270
2-Methylnaphthalene	ND	280	ug/Kg	05/30/12	DD	SW 8270
2-Methylphenol (o-cresol)	ND	280	ug/Kg	05/30/12	DD	SW 8270
2-Nitroaniline	ND	650	ug/Kg	05/30/12	DD	SW 8270
2-Nitrophenol	ND	280	ug/Kg	05/30/12	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	400	ug/Kg	05/30/12	DD	SW 8270
3,3'-Dichlorobenzidine	ND	280	ug/Kg	05/30/12	DD	SW 8270
3-Nitroaniline	ND	650	ug/Kg	05/30/12	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1200	ug/Kg	05/30/12	DD	SW 8270
4-Bromophenyl phenyl ether	ND	400	ug/Kg	05/30/12	DD	SW 8270
4-Chloro-3-methylphenol	ND	280	ug/Kg	05/30/12	DD	SW 8270
4-Chloroaniline	ND	280	ug/Kg	05/30/12	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	280	ug/Kg	05/30/12	DD	SW 8270
4-Nitroaniline	ND	650	ug/Kg	05/30/12	DD	SW 8270
4-Nitrophenol	ND	1200	ug/Kg	05/30/12	DD	SW 8270
Acenaphthene	ND	280	ug/Kg	05/30/12	DD	SW 8270
Acenaphthylene	ND	280	ug/Kg	05/30/12	DD	SW 8270

Project ID: 333 WEST 38TH ST.
Client ID: SB-6S

Phoenix I.D.: BB91004

Parameter	Result	RL	Units	Date/Time	By	Reference	
Acetophenone	ND	280	ug/Kg	05/30/12	DD	SW 8270	
Aniline	ND	1200	ug/Kg	05/30/12	DD	SW 8270	LO
Anthracene	ND	280	ug/Kg	05/30/12	DD	SW 8270	
Azobenzene	ND	400	ug/Kg	05/30/12	DD	SW 8270	1
Benz(a)anthracene	ND	280	ug/Kg	05/30/12	DD	SW 8270	
Benzidine	ND	480	ug/Kg	05/30/12	DD	SW 8270	
Benzo(a)pyrene	ND	280	ug/Kg	05/30/12	DD	SW 8270	
Benzo(b)fluoranthene	ND	280	ug/Kg	05/30/12	DD	SW 8270	
Benzo(ghi)perylene	ND	280	ug/Kg	05/30/12	DD	SW 8270	
Benzo(k)fluoranthene	ND	280	ug/Kg	05/30/12	DD	SW 8270	
Benzoic acid	ND	1200	ug/Kg	05/30/12	DD	SW 8270	LO
Benzyl butyl phthalate	ND	280	ug/Kg	05/30/12	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	280	ug/Kg	05/30/12	DD	SW 8270	
Bis(2-chloroethyl)ether	ND	400	ug/Kg	05/30/12	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	280	ug/Kg	05/30/12	DD	SW 8270	
Bis(2-ethylhexyl)phthalate	ND	280	ug/Kg	05/30/12	DD	SW 8270	
Carbazole	ND	610	ug/Kg	05/30/12	DD	SW 8270	
Chrysene	ND	280	ug/Kg	05/30/12	DD	SW 8270	
Dibenz(a,h)anthracene	ND	280	ug/Kg	05/30/12	DD	SW 8270	
Dibenzofuran	ND	280	ug/Kg	05/30/12	DD	SW 8270	
Diethyl phthalate	ND	280	ug/Kg	05/30/12	DD	SW 8270	
Dimethylphthalate	ND	280	ug/Kg	05/30/12	DD	SW 8270	
Di-n-butylphthalate	ND	280	ug/Kg	05/30/12	DD	SW 8270	
Di-n-octylphthalate	ND	280	ug/Kg	05/30/12	DD	SW 8270	
Fluoranthene	ND	280	ug/Kg	05/30/12	DD	SW 8270	
Fluorene	ND	280	ug/Kg	05/30/12	DD	SW 8270	
Hexachlorobenzene	ND	280	ug/Kg	05/30/12	DD	SW 8270	
Hexachlorobutadiene	ND	280	ug/Kg	05/30/12	DD	SW 8270	
Hexachlorocyclopentadiene	ND	280	ug/Kg	05/30/12	DD	SW 8270	
Hexachloroethane	ND	280	ug/Kg	05/30/12	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND	280	ug/Kg	05/30/12	DD	SW 8270	
Isophorone	ND	280	ug/Kg	05/30/12	DD	SW 8270	
Naphthalene	ND	280	ug/Kg	05/30/12	DD	SW 8270	
Nitrobenzene	ND	280	ug/Kg	05/30/12	DD	SW 8270	
N-Nitrosodimethylamine	ND	400	ug/Kg	05/30/12	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	280	ug/Kg	05/30/12	DD	SW 8270	
N-Nitrosodiphenylamine	ND	400	ug/Kg	05/30/12	DD	SW 8270	
Pentachloronitrobenzene	ND	400	ug/Kg	05/30/12	DD	SW 8270	
Pentachlorophenol	ND	400	ug/Kg	05/30/12	DD	SW 8270	
Phenanthrene	ND	280	ug/Kg	05/30/12	DD	SW 8270	
Phenol	ND	280	ug/Kg	05/30/12	DD	SW 8270	
Pyrene	ND	280	ug/Kg	05/30/12	DD	SW 8270	
Pyridine	ND	400	ug/Kg	05/30/12	DD	SW 8270	
QA/QC Surrogates							
% 2,4,6-Tribromophenol	82		%	05/30/12	DD	15 - 130 %	
% 2-Fluorobiphenyl	70		%	05/30/12	DD	30 - 130 %	
% 2-Fluorophenol	73		%	05/30/12	DD	15 - 130 %	
% Nitrobenzene-d5	78		%	05/30/12	DD	30 - 130 %	
% Phenol-d5	75		%	05/30/12	DD	15 - 130 %	
% Terphenyl-d14	93		%	05/30/12	DD	30 - 130 %	

Project ID: 333 WEST 38TH ST.
Client ID: SB-6S

Phoenix I.D.: BB91004

Parameter	Result	RL	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.
1P = This parameter is pending certification by NY NELAC for this matrix.
1O = This parameter is not certified by NY NELAC for this matrix.
B = Present in blank, no bias suspected.

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

Comments:

All soils 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 06, 2012
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

Analysis Report

July 06, 2012

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

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:	SD	05/24/12	0:00
Location Code:	GALLI-ENG	Received by:	LB	05/29/12	17:39
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBB90994
Phoenix ID: BB91005

Project ID: 333 WEST 38TH ST.
Client ID: GW-1

Parameter	Result	RL	Units	Date/Time	By	Reference
Silver	< 0.001	0.001	mg/L	05/31/12	LK	SW6010
Aluminum	31.8	0.010	mg/L	05/31/12	LK	SW6010
Arsenic	0.011	0.004	mg/L	05/31/12	LK	SW6010
Barium	1.30	0.002	mg/L	05/31/12	LK	SW6010
Beryllium	0.004	0.001	mg/L	05/31/12	LK	SW6010
Calcium	189	0.10	mg/L	05/31/12	EK	SW6010
Cadmium	0.001	0.001	mg/L	05/31/12	LK	SW6010
Cobalt	0.057	0.002	mg/L	05/31/12	LK	SW6010
Chromium	0.180	0.001	mg/L	05/31/12	LK	SW6010
Copper	0.212	0.005	mg/L	05/31/12	LK	SW6010
Silver (Dissolved)	< 0.001	0.001	mg/L	05/30/12	EK	SW6010
Aluminum (Dissolved)	0.33	0.01	mg/L	05/30/12	EK	SW6010
Arsenic (Dissolved)	< 0.004	0.004	mg/L	05/30/12	EK	SW6010
Barium (Dissolved)	0.094	0.002	mg/L	05/30/12	EK	SW6010
Beryllium (Dissolved)	< 0.001	0.001	mg/L	05/30/12	EK	SW6010
Calcium (Dissolved)	93.5	0.01	mg/L	05/30/12	EK	SW6010
Cadmium (Dissolved)	< 0.001	0.001	mg/L	05/30/12	EK	SW6010
Cobalt (Dissolved)	< 0.001	0.001	mg/L	05/30/12	EK	SW6010
Chromium (Dissolved)	< 0.001	0.001	mg/L	05/30/12	EK	SW6010
Copper (Dissolved)	< 0.005	0.005	mg/L	05/30/12	EK	SW6010
Iron (Dissolved)	0.150	0.011	mg/L	05/30/12	EK	SW6010
Mercury (Dissolved)	< 0.0002	0.0002	mg/L	05/30/12	RS	SW7470
Potassium (Dissolved)	12.6	1.1	mg/L	06/04/12	EK	SW6010
Magnesium (Dissolved)	15.3	0.01	mg/L	05/30/12	EK	SW6010
Manganese (Dissolved)	0.623	0.001	mg/L	05/30/12	EK	SW6010
Sodium (Dissolved)	13.7	0.11	mg/L	05/30/12	EK	SW6010
Nickel (Dissolved)	0.007	0.001	mg/L	05/30/12	EK	SW6010
Lead (Dissolved)	< 0.004	0.004	mg/L	06/04/12	EK	SW6010

Project ID: 333 WEST 38TH ST.
Client ID: GW-1

Phoenix I.D.: BB91005

Parameter	Result	RL	Units	Date/Time	By	Reference
Antimony (Dissolved)	< 0.005	0.005	mg/L	05/30/12	EK	SW6010
Selenium (Dissolved)	< 0.011	0.011	mg/L	05/30/12	EK	SW6010
Thallium (Dissolved)	< 0.002	0.002	mg/L	05/30/12	RS	SW7010
Vanadium (Dissolved)	< 0.002	0.002	mg/L	05/30/12	EK	SW6010
Zinc (Dissolved)	0.002	0.002	mg/L	05/30/12	EK	SW6010
Iron	56.9	0.010	mg/L	05/31/12	LK	SW6010
Mercury	< 0.0002	0.0002	mg/L	05/30/12	RS	SW7470
Potassium	22.2	1.0	mg/L	05/31/12	EK	SW6010
Magnesium	51.1	0.01	mg/L	05/31/12	LK	SW6010
Manganese	11.9	0.010	mg/L	05/31/12	EK	SW6010
Sodium	14.1	1.0	mg/L	05/31/12	EK	SW6010
Nickel	0.166	0.001	mg/L	05/31/12	LK	SW6010
Lead	0.038	0.002	mg/L	05/31/12	LK	SW6010
Antimony	< 0.005	0.005	mg/L	05/31/12	LK	SW6010
Selenium	< 0.010	0.010	mg/L	05/31/12	LK	SW6010
Thallium	< 0.002	0.002	mg/L	05/30/12	RS	SW7010
Dissolved Metals Preparation	Completed			05/29/12	AG	SW846-3005
Total Metals Digestion	Completed			05/29/12	AG	
Vanadium	0.073	0.002	mg/L	05/31/12	LK	SW6010
Zinc	0.208	0.002	mg/L	05/31/12	LK	SW6010
Filtration	Completed			05/29/12	AG	0.45um Filter
Dissolved Mercury Digestion	Completed			05/30/12	X/X	SW7470
Mercury Digestion	Completed			05/30/12	X/X	SW7470
PCB Extraction	Completed			05/29/12	GL/TL	SW3510C
Extraction for Pest (2 Liter)	Completed			05/29/12	GL	SW3510
Semi-Volatile Extraction	Completed			05/30/12	F/E	SW3520
Polychlorinated Biphenyls						
PCB-1016	ND	0.10	ug/L	05/31/12	MH	608/ 8082
PCB-1221	ND	0.10	ug/L	05/31/12	MH	608/ 8082
PCB-1232	ND	0.10	ug/L	05/31/12	MH	608/ 8082
PCB-1242	ND	0.10	ug/L	05/31/12	MH	608/ 8082
PCB-1248	ND	0.10	ug/L	05/31/12	MH	608/ 8082
PCB-1254	ND	0.10	ug/L	05/31/12	MH	608/ 8082
PCB-1260	ND	0.10	ug/L	05/31/12	MH	608/ 8082
PCB-1262	ND	0.10	ug/L	05/31/12	MH	608/ 8082
PCB-1268	ND	0.10	ug/L	05/31/12	MH	608/ 8082
QA/QC Surrogates						
% DCBP	40		%	05/31/12	MH	30 - 150 %
% TCMX	64		%	05/31/12	MH	30 - 150 %
Pesticides						
4,4' -DDD	ND	0.1	ug/L	05/31/12	KCA	SW8081
4,4' -DDE	ND	0.1	ug/L	05/31/12	KCA	SW8081
4,4' -DDT	ND	0.1	ug/L	05/31/12	KCA	SW8081
a-BHC	ND	0.05	ug/L	05/31/12	KCA	SW8081
Alachlor	ND	0.1	ug/L	05/31/12	KCA	SW8081 1
Aldrin	ND	0.003	ug/L	05/31/12	KCA	SW8081
b-BHC	ND	0.01	ug/L	05/31/12	KCA	SW8081
Chlordane	ND	0.3	ug/L	05/31/12	KCA	SW8081
d-BHC	ND	0.05	ug/L	05/31/12	KCA	SW8081

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Client ID: GW-1

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Parameter	Result	RL	Units	Date/Time	By	Reference	
Dieldrin	ND	0.002	ug/L	05/31/12	KCA	SW8081	
Endosulfan I	ND	0.05	ug/L	05/31/12	KCA	SW8081	
Endosulfan II	ND	0.1	ug/L	05/31/12	KCA	SW8081	
Endosulfan Sulfate	ND	0.1	ug/L	05/31/12	KCA	SW8081	
Endrin	ND	0.1	ug/L	05/31/12	KCA	SW8081	
Endrin Aldehyde	ND	0.1	ug/L	05/31/12	KCA	SW8081	
Endrin ketone	ND	0.1	ug/L	05/31/12	KCA	SW8081	
g-BHC (Lindane)	ND	0.05	ug/L	05/31/12	KCA	SW8081	
Heptachlor	ND	0.05	ug/L	05/31/12	KCA	SW8081	
Heptachlor epoxide	ND	0.05	ug/L	05/31/12	KCA	SW8081	
Methoxychlor	ND	0.2	ug/L	05/31/12	KCA	SW8081	
Toxaphene	ND	1.0	ug/L	05/31/12	KCA	SW8081	
QA/QC Surrogates							
%DCBP (Surrogate Rec)	50		%	05/31/12	KCA	30 - 150 %	
%TCMX (Surrogate Rec)	66		%	05/31/12	KCA	30 - 150 %	
Volatiles							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	05/30/12	R/T	SW8260	
1,1,1-Trichloroethane	ND	1.0	ug/L	05/30/12	R/T	SW8260	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	05/30/12	R/T	SW8260	
1,1,2-Trichloroethane	ND	1.0	ug/L	05/30/12	R/T	SW8260	
1,1-Dichloroethane	ND	1.0	ug/L	05/30/12	R/T	SW8260	
1,1-Dichloroethene	ND	1.0	ug/L	05/30/12	R/T	SW8260	
1,1-Dichloropropene	ND	1.0	ug/L	05/30/12	R/T	SW8260	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	05/30/12	R/T	SW8260	
1,2,3-Trichloropropane	ND	1.0	ug/L	05/30/12	R/T	SW8260	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	05/30/12	R/T	SW8260	
1,2,4-Trimethylbenzene	ND	1.0	ug/L	05/30/12	R/T	SW8260	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	05/30/12	R/T	SW8260	
1,2-Dibromoethane	ND	1.0	ug/L	05/30/12	R/T	SW8260	
1,2-Dichlorobenzene	ND	1.0	ug/L	05/30/12	R/T	SW8260	
1,2-Dichloroethane	ND	0.60	ug/L	05/30/12	R/T	SW8260	
1,2-Dichloropropane	ND	1.0	ug/L	05/30/12	R/T	SW8260	
1,3,5-Trimethylbenzene	ND	1.0	ug/L	05/30/12	R/T	SW8260	
1,3-Dichlorobenzene	ND	1.0	ug/L	05/30/12	R/T	SW8260	
1,3-Dichloropropane	ND	1.0	ug/L	05/30/12	R/T	SW8260	
1,4-Dichlorobenzene	ND	1.0	ug/L	05/30/12	R/T	SW8260	
2,2-Dichloropropane	ND	1.0	ug/L	05/30/12	R/T	SW8260	
2-Chlorotoluene	ND	1.0	ug/L	05/30/12	R/T	SW8260	
2-Hexanone	ND	5.0	ug/L	05/30/12	R/T	SW8260	
2-Isopropyltoluene	ND	1.0	ug/L	05/30/12	R/T	SW8260	1
4-Chlorotoluene	ND	1.0	ug/L	05/30/12	R/T	SW8260	
4-Methyl-2-pentanone	ND	5.0	ug/L	05/30/12	R/T	SW8260	
Acetone	ND	25	ug/L	05/30/12	R/T	SW8260	
Acrylonitrile	ND	5.0	ug/L	05/30/12	R/T	SW8260	
Benzene	ND	0.70	ug/L	05/30/12	R/T	SW8260	
Bromobenzene	ND	1.0	ug/L	05/30/12	R/T	SW8260	1P
Bromochloromethane	ND	1.0	ug/L	05/30/12	R/T	SW8260	
Bromodichloromethane	ND	0.50	ug/L	05/30/12	R/T	SW8260	
Bromoform	ND	1.0	ug/L	05/30/12	R/T	SW8260	

Project ID: 333 WEST 38TH ST.
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Parameter	Result	RL	Units	Date/Time	By	Reference	
Bromomethane	ND	1.0	ug/L	05/30/12	R/T	SW8260	
Carbon Disulfide	ND	5.0	ug/L	05/30/12	R/T	SW8260	
Carbon tetrachloride	ND	1.0	ug/L	05/30/12	R/T	SW8260	
Chlorobenzene	ND	1.0	ug/L	05/30/12	R/T	SW8260	
Chloroethane	ND	1.0	ug/L	05/30/12	R/T	SW8260	
Chloroform	ND	1.0	ug/L	05/30/12	R/T	SW8260	
Chloromethane	ND	1.0	ug/L	05/30/12	R/T	SW8260	
cis-1,2-Dichloroethene	ND	1.0	ug/L	05/30/12	R/T	SW8260	
cis-1,3-Dichloropropene	ND	0.50	ug/L	05/30/12	R/T	SW8260	1
Dibromochloromethane	ND	0.50	ug/L	05/30/12	R/T	SW8260	
Dibromomethane	ND	1.0	ug/L	05/30/12	R/T	SW8260	
Dichlorodifluoromethane	ND	1.0	ug/L	05/30/12	R/T	SW8260	
Ethylbenzene	ND	1.0	ug/L	05/30/12	R/T	SW8260	
Hexachlorobutadiene	ND	0.40	ug/L	05/30/12	R/T	SW8260	
Isopropylbenzene	ND	1.0	ug/L	05/30/12	R/T	SW8260	
m&p-Xylene	ND	1.0	ug/L	05/30/12	R/T	SW8260	
Methyl ethyl ketone	ND	5.0	ug/L	05/30/12	R/T	SW8260	
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	05/30/12	R/T	SW8260	
Methylene chloride	ND	1.0	ug/L	05/30/12	R/T	SW8260	
Naphthalene	ND	1.0	ug/L	05/30/12	R/T	SW8260	
n-Butylbenzene	ND	1.0	ug/L	05/30/12	R/T	SW8260	
n-Propylbenzene	ND	1.0	ug/L	05/30/12	R/T	SW8260	
o-Xylene	ND	1.0	ug/L	05/30/12	R/T	SW8260	
p-Isopropyltoluene	ND	1.0	ug/L	05/30/12	R/T	SW8260	
sec-Butylbenzene	ND	1.0	ug/L	05/30/12	R/T	SW8260	
Styrene	ND	1.0	ug/L	05/30/12	R/T	SW8260	
tert-Butylbenzene	ND	1.0	ug/L	05/30/12	R/T	SW8260	
Tetrachloroethene	ND	1.0	ug/L	05/30/12	R/T	SW8260	
Tetrahydrofuran (THF)	ND	5.0	ug/L	05/30/12	R/T	SW8260	1
Toluene	ND	1.0	ug/L	05/30/12	R/T	SW8260	
Total Xylenes	ND	1.0	ug/L	05/30/12	R/T	SW8260	
trans-1,2-Dichloroethene	ND	1.0	ug/L	05/30/12	R/T	SW8260	
trans-1,3-Dichloropropene	ND	0.50	ug/L	05/30/12	R/T	SW8260	
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	05/30/12	R/T	SW8260	
Trichloroethene	ND	1.0	ug/L	05/30/12	R/T	SW8260	
Trichlorofluoromethane	ND	1.0	ug/L	05/30/12	R/T	SW8260	
Trichlorotrifluoroethane	ND	1.0	ug/L	05/30/12	R/T	SW8260	IP
Vinyl chloride	ND	1.0	ug/L	05/30/12	R/T	SW8260	
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	100		%	05/30/12	R/T	70 - 130 %	
% Bromofluorobenzene	107		%	05/30/12	R/T	70 - 130 %	
% Dibromofluoromethane	91		%	05/30/12	R/T	70 - 130 %	
% Toluene-d8	87		%	05/30/12	R/T	70 - 130 %	

Semivolatiles

1,2,4-Trichlorobenzene	ND	6.3	ug/L	06/03/12	KCA	SW8270
1,2-Dichlorobenzene	ND	6.3	ug/L	06/03/12	KCA	SW8270
1,3-Dichlorobenzene	ND	6.3	ug/L	06/03/12	KCA	SW8270
1,4-Dichlorobenzene	ND	6.3	ug/L	06/03/12	KCA	SW8270
2,4,5-Trichlorophenol	ND	13	ug/L	06/03/12	KCA	SW8270

Project ID: 333 WEST 38TH ST.
Client ID: GW-1

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Parameter	Result	RL	Units	Date/Time	By	Reference	
2,4,6-Trichlorophenol	ND	13	ug/L	06/03/12	KCA	SW8270	
2,4-Dichlorophenol	ND	13	ug/L	06/03/12	KCA	SW8270	
2,4-Dimethylphenol	ND	13	ug/L	06/03/12	KCA	SW8270	
2,4-Dinitrophenol	ND	63	ug/L	06/03/12	KCA	SW8270	
2,4-Dinitrotoluene	ND	6.3	ug/L	06/03/12	KCA	SW8270	
2,6-Dinitrotoluene	ND	6.3	ug/L	06/03/12	KCA	SW8270	
2-Chloronaphthalene	ND	6.3	ug/L	06/03/12	KCA	SW8270	
2-Chlorophenol	ND	13	ug/L	06/03/12	KCA	SW8270	
2-Methylnaphthalene	ND	6.3	ug/L	06/03/12	KCA	SW8270	
2-Methylphenol (o-cresol)	ND	13	ug/L	06/03/12	KCA	SW8270	
2-Nitroaniline	ND	63	ug/L	06/03/12	KCA	SW8270	
2-Nitrophenol	ND	13	ug/L	06/03/12	KCA	SW8270	
3&4-Methylphenol (m&p-cresol)	ND	13	ug/L	06/03/12	KCA	SW8270	
3,3'-Dichlorobenzidine	ND	63	ug/L	06/03/12	KCA	SW8270	
3-Nitroaniline	ND	63	ug/L	06/03/12	KCA	SW8270	
4,6-Dinitro-2-methylphenol	ND	63	ug/L	06/03/12	KCA	SW8270	
4-Bromophenyl phenyl ether	ND	6.3	ug/L	06/03/12	KCA	SW8270	
4-Chloro-3-methylphenol	ND	25	ug/L	06/03/12	KCA	SW8270	
4-Chloroaniline	ND	25	ug/L	06/03/12	KCA	SW8270	
4-Chlorophenyl phenyl ether	ND	6.3	ug/L	06/03/12	KCA	SW8270	
4-Nitroaniline	ND	25	ug/L	06/03/12	KCA	SW8270	
4-Nitrophenol	ND	63	ug/L	06/03/12	KCA	SW8270	
Acetophenone	ND	6.3	ug/L	06/03/12	KCA	SW8270	
Aniline	ND	13	ug/L	06/03/12	KCA	SW8270	LO
Anthracene	ND	6.3	ug/L	06/03/12	KCA	SW8270	
Azobenzene	ND	6.3	ug/L	06/03/12	KCA	SW8270	1
Benzidine	ND	63	ug/L	06/03/12	KCA	SW8270	
Benzoic acid	ND	63	ug/L	06/03/12	KCA	SW8270	LP
Benzyl butyl phthalate	ND	6.3	ug/L	06/03/12	KCA	SW8270	
Bis(2-chloroethoxy)methane	ND	6.3	ug/L	06/03/12	KCA	SW8270	
Bis(2-chloroethyl)ether	ND	6.3	ug/L	06/03/12	KCA	SW8270	
Bis(2-chloroisopropyl)ether	ND	6.3	ug/L	06/03/12	KCA	SW8270	
Carbazole	ND	6.3	ug/L	06/03/12	KCA	SW8270	
Dibenzofuran	ND	6.3	ug/L	06/03/12	KCA	SW8270	
Diethyl phthalate	ND	6.3	ug/L	06/03/12	KCA	SW8270	
Dimethylphthalate	ND	6.3	ug/L	06/03/12	KCA	SW8270	
Di-n-butylphthalate	ND	6.3	ug/L	06/03/12	KCA	SW8270	
Di-n-octylphthalate	ND	6.3	ug/L	06/03/12	KCA	SW8270	
Fluoranthene	ND	6.3	ug/L	06/03/12	KCA	SW8270	
Fluorene	ND	6.3	ug/L	06/03/12	KCA	SW8270	
Hexachlorobutadiene	ND	6.3	ug/L	06/03/12	KCA	SW8270	
Hexachlorocyclopentadiene	ND	6.3	ug/L	06/03/12	KCA	SW8270	
Isophorone	ND	6.3	ug/L	06/03/12	KCA	SW8270	
Naphthalene	ND	6.3	ug/L	06/03/12	KCA	SW8270	
Nitrobenzene	ND	6.3	ug/L	06/03/12	KCA	SW8270	
N-Nitrosodimethylamine	ND	6.3	ug/L	06/03/12	KCA	SW8270	
N-Nitrosodi-n-propylamine	ND	6.3	ug/L	06/03/12	KCA	SW8270	
N-Nitrosodiphenylamine	ND	6.3	ug/L	06/03/12	KCA	SW8270	
Phenol	ND	13	ug/L	06/03/12	KCA	SW8270	
Pyrene	ND	6.3	ug/L	06/03/12	KCA	SW8270	

Project ID: 333 WEST 38TH ST.
Client ID: GW-1

Phoenix I.D.: BB91005

Parameter	Result	RL	Units	Date/Time	By	Reference
QA/QC Surrogates						
% 2,4,6-Tribromophenol	109		%	06/03/12	KCA	15 - 130 %
% 2-Fluorobiphenyl	74		%	06/03/12	KCA	30 - 130 %
% 2-Fluorophenol	73		%	06/03/12	KCA	15 - 130 %
% Nitrobenzene-d5	83		%	06/03/12	KCA	30 - 130 %
% Phenol-d5	77		%	06/03/12	KCA	15 - 130 %
% Terphenyl-d14	103		%	06/03/12	KCA	30 - 130 %
Semivolatiles						
1,2,4,5-Tetrachlorobenzene	ND	2.0	ug/L	05/31/12	KCA	SW8270 (SIM)
Acenaphthene	ND	0.063	ug/L	05/31/12	KCA	SW8270 (SIM)
Acenaphthylene	ND	0.063	ug/L	05/31/12	KCA	SW8270 (SIM)
Benz(a)anthracene	0.075	0.050	ug/L	05/31/12	KCA	SW8270 (SIM)
Benzo(a)pyrene	ND	0.063	ug/L	05/31/12	KCA	SW8270 (SIM)
Benzo(b)fluoranthene	ND	0.063	ug/L	05/31/12	KCA	SW8270 (SIM)
Benzo(ghi)perylene	ND	3.8	ug/L	05/31/12	KCA	SW8270 (SIM)
Benzo(k)fluoranthene	ND	0.063	ug/L	05/31/12	KCA	SW8270 (SIM)
Bis(2-ethylhexyl)phthalate	ND	2.0	ug/L	05/31/12	KCA	SW8270 (SIM)
Chrysene	0.063	0.063	ug/L	05/31/12	KCA	SW8270 (SIM)
Dibenz(a,h)anthracene	ND	0.013	ug/L	05/31/12	KCA	SW8270 (SIM)
Hexachlorobenzene	ND	0.075	ug/L	05/31/12	KCA	SW8270 (SIM)
Hexachloroethane	ND	3.0	ug/L	05/31/12	KCA	SW8270 (SIM)
Indeno(1,2,3-cd)pyrene	ND	0.063	ug/L	05/31/12	KCA	SW8270 (SIM)
Pentachloronitrobenzene	ND	0.13	ug/L	05/31/12	KCA	SW8270 (SIM) LO
Pentachlorophenol	ND	1.0	ug/L	05/31/12	KCA	SW8270 (SIM)
Phenanthrene	ND	0.063	ug/L	05/31/12	KCA	SW8270 (SIM)
Pyridine	ND	0.63	ug/L	05/31/12	KCA	SW8270 (SIM)
QA/QC Surrogates						
% 2,4,6-Tribromophenol	109		%	05/31/12	KCA	15 - 130 %
% 2-Fluorobiphenyl	74		%	05/31/12	KCA	30 - 130 %
% 2-Fluorophenol	73		%	05/31/12	KCA	15 - 130 %
% Nitrobenzene-d5	83		%	05/31/12	KCA	30 - 130 %
% Phenol-d5	77		%	05/31/12	KCA	15 - 130 %
% Terphenyl-d14	103		%	05/31/12	KCA	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.
1P = This parameter is pending certification by NY NELAC for this matrix.
1O = This parameter is not certified by NY NELAC for this matrix.

RL=Reporting 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 06, 2012
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

Analysis Report

July 06, 2012

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

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:	SD	05/24/12	0:00
Location Code:	GALLI-ENG	Received by:	LB	05/29/12	17:39
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBB90994
Phoenix ID: BB91006

Project ID: 333 WEST 38TH ST.
Client ID: GW-2

Parameter	Result	RL	Units	Date/Time	By	Reference
Silver	< 0.001	0.001	mg/L	05/31/12	LK	SW6010
Aluminum	1.22	0.010	mg/L	05/31/12	LK	SW6010
Arsenic	0.005	0.004	mg/L	05/31/12	LK	SW6010
Barium	0.095	0.002	mg/L	05/31/12	LK	SW6010
Beryllium	< 0.001	0.001	mg/L	05/31/12	LK	SW6010
Calcium	99.3	0.010	mg/L	05/31/12	LK	SW6010
Cadmium	< 0.001	0.001	mg/L	05/31/12	LK	SW6010
Cobalt	< 0.002	0.002	mg/L	05/31/12	LK	SW6010
Chromium	0.007	0.001	mg/L	05/31/12	LK	SW6010
Copper	0.015	0.005	mg/L	05/31/12	LK	SW6010
Silver (Dissolved)	< 0.001	0.001	mg/L	05/30/12	EK	SW6010
Aluminum (Dissolved)	0.14	0.01	mg/L	05/30/12	EK	SW6010
Arsenic (Dissolved)	0.007	0.004	mg/L	05/30/12	EK	SW6010
Barium (Dissolved)	0.102	0.002	mg/L	05/30/12	EK	SW6010
Beryllium (Dissolved)	< 0.001	0.001	mg/L	05/30/12	EK	SW6010
Calcium (Dissolved)	145	0.01	mg/L	05/30/12	EK	SW6010
Cadmium (Dissolved)	< 0.001	0.001	mg/L	05/30/12	EK	SW6010
Cobalt (Dissolved)	< 0.001	0.001	mg/L	05/30/12	EK	SW6010
Chromium (Dissolved)	< 0.001	0.001	mg/L	05/30/12	EK	SW6010
Copper (Dissolved)	< 0.005	0.005	mg/L	05/30/12	EK	SW6010
Iron (Dissolved)	4.12	0.011	mg/L	05/30/12	EK	SW6010
Mercury (Dissolved)	< 0.0002	0.0002	mg/L	05/30/12	RS	SW7470
Potassium (Dissolved)	14.5	1.1	mg/L	06/04/12	EK	SW6010
Magnesium (Dissolved)	45.0	0.01	mg/L	05/30/12	EK	SW6010
Manganese (Dissolved)	1.76	0.001	mg/L	05/30/12	EK	SW6010
Sodium (Dissolved)	71.8	1.1	mg/L	06/04/12	EK	SW6010
Nickel (Dissolved)	0.008	0.001	mg/L	05/30/12	EK	SW6010
Lead (Dissolved)	< 0.004	0.004	mg/L	06/04/12	EK	SW6010

Project ID: 333 WEST 38TH ST.
Client ID: GW-2

Phoenix I.D.: BB91006

Parameter	Result	RL	Units	Date/Time	By	Reference
Antimony (Dissolved)	< 0.005	0.005	mg/L	05/30/12	EK	SW6010
Selenium (Dissolved)	< 0.011	0.011	mg/L	05/30/12	EK	SW6010
Thallium (Dissolved)	< 0.002	0.002	mg/L	05/30/12	RS	SW7010
Vanadium (Dissolved)	< 0.002	0.002	mg/L	05/30/12	EK	SW6010
Zinc (Dissolved)	0.008	0.002	mg/L	05/30/12	EK	SW6010
Iron	4.02	0.010	mg/L	05/31/12	LK	SW6010
Mercury	< 0.0002	0.0002	mg/L	05/30/12	RS	SW7470
Potassium	9.8	1.0	mg/L	05/31/12	EK	SW6010
Magnesium	30.1	0.01	mg/L	05/31/12	LK	SW6010
Manganese	1.61	0.001	mg/L	05/31/12	LK	SW6010
Sodium	47.8	1.0	mg/L	05/31/12	EK	SW6010
Nickel	0.011	0.001	mg/L	05/31/12	LK	SW6010
Lead	< 0.002	0.002	mg/L	05/31/12	LK	SW6010
Antimony	< 0.005	0.005	mg/L	05/31/12	LK	SW6010
Selenium	< 0.010	0.010	mg/L	05/31/12	LK	SW6010
Thallium	< 0.002	0.002	mg/L	05/30/12	RS	SW7010
Dissolved Metals Preparation	Completed			05/29/12	AG	SW846-3005
Total Metals Digestion	Completed			05/29/12	AG	
Vanadium	< 0.002	0.002	mg/L	05/31/12	LK	SW6010
Zinc	0.045	0.002	mg/L	05/31/12	LK	SW6010
Filtration	Completed			05/29/12	AG	0.45um Filter
Dissolved Mercury Digestion	Completed			05/30/12	X/X	SW7470
Mercury Digestion	Completed			05/30/12	X/X	SW7470
PCB Extraction	Completed			05/29/12	L/TL	SW3510C
Extraction for Pest (2 Liter)	Completed			05/29/12	L	SW3510
Semi-Volatile Extraction	Completed			05/30/12	F/E	SW3520
Polychlorinated Biphenyls						
PCB-1016	ND	0.12	ug/L	05/31/12	MH	608/ 8082
PCB-1221	ND	0.12	ug/L	05/31/12	MH	608/ 8082
PCB-1232	ND	0.12	ug/L	05/31/12	MH	608/ 8082
PCB-1242	ND	0.12	ug/L	05/31/12	MH	608/ 8082
PCB-1248	ND	0.12	ug/L	05/31/12	MH	608/ 8082
PCB-1254	ND	0.12	ug/L	05/31/12	MH	608/ 8082
PCB-1260	ND	0.12	ug/L	05/31/12	MH	608/ 8082
PCB-1262	ND	0.12	ug/L	05/31/12	MH	608/ 8082
PCB-1268	ND	0.12	ug/L	05/31/12	MH	608/ 8082
QA/QC Surrogates						
% DCBP	48		%	05/31/12	MH	30 - 150 %
% TCMX	81		%	05/31/12	MH	30 - 150 %
Pesticides						
4,4' -DDD	ND	0.1	ug/L	06/01/12	KCA	SW8081
4,4' -DDE	ND	0.1	ug/L	06/01/12	KCA	SW8081
4,4' -DDT	ND	0.1	ug/L	06/01/12	KCA	SW8081
a-BHC	ND	0.05	ug/L	06/01/12	KCA	SW8081
Alachlor	ND	0.1	ug/L	06/01/12	KCA	SW8081 1
Aldrin	ND	0.003	ug/L	06/01/12	KCA	SW8081
b-BHC	ND	0.01	ug/L	06/01/12	KCA	SW8081
Chlordane	ND	0.3	ug/L	06/01/12	KCA	SW8081
d-BHC	ND	0.05	ug/L	06/01/12	KCA	SW8081

Project ID: 333 WEST 38TH ST.
Client ID: GW-2

Phoenix I.D.: BB91006

Parameter	Result	RL	Units	Date/Time	By	Reference	
Dieldrin	ND	0.002	ug/L	06/01/12	KCA	SW8081	
Endosulfan I	ND	0.05	ug/L	06/01/12	KCA	SW8081	
Endosulfan II	ND	0.1	ug/L	06/01/12	KCA	SW8081	
Endosulfan Sulfate	ND	0.1	ug/L	06/01/12	KCA	SW8081	
Endrin	ND	0.1	ug/L	06/01/12	KCA	SW8081	
Endrin Aldehyde	ND	0.1	ug/L	06/01/12	KCA	SW8081	
Endrin ketone	ND	0.1	ug/L	06/01/12	KCA	SW8081	
g-BHC (Lindane)	ND	0.05	ug/L	06/01/12	KCA	SW8081	
Heptachlor	ND	0.05	ug/L	06/01/12	KCA	SW8081	
Heptachlor epoxide	ND	0.05	ug/L	06/01/12	KCA	SW8081	
Methoxychlor	ND	0.2	ug/L	06/01/12	KCA	SW8081	
Toxaphene	ND	1.0	ug/L	06/01/12	KCA	SW8081	
QA/QC Surrogates							
%DCBP (Surrogate Rec)	73		%	06/01/12	KCA	30 - 150 %	
%TCMX (Surrogate Rec)	72		%	06/01/12	KCA	30 - 150 %	
Volatiles							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	05/31/12	R/T	SW8260	
1,1,1-Trichloroethane	ND	1.0	ug/L	05/31/12	R/T	SW8260	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	05/31/12	R/T	SW8260	
1,1,2-Trichloroethane	ND	1.0	ug/L	05/31/12	R/T	SW8260	
1,1-Dichloroethane	ND	1.0	ug/L	05/31/12	R/T	SW8260	
1,1-Dichloroethene	ND	1.0	ug/L	05/31/12	R/T	SW8260	
1,1-Dichloropropene	ND	1.0	ug/L	05/31/12	R/T	SW8260	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	05/31/12	R/T	SW8260	
1,2,3-Trichloropropane	ND	1.0	ug/L	05/31/12	R/T	SW8260	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	05/31/12	R/T	SW8260	
1,2,4-Trimethylbenzene	ND	1.0	ug/L	05/31/12	R/T	SW8260	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	05/31/12	R/T	SW8260	
1,2-Dibromoethane	ND	1.0	ug/L	05/31/12	R/T	SW8260	
1,2-Dichlorobenzene	ND	1.0	ug/L	05/31/12	R/T	SW8260	
1,2-Dichloroethane	ND	0.60	ug/L	05/31/12	R/T	SW8260	
1,2-Dichloropropane	ND	1.0	ug/L	05/31/12	R/T	SW8260	
1,3,5-Trimethylbenzene	ND	1.0	ug/L	05/31/12	R/T	SW8260	
1,3-Dichlorobenzene	ND	1.0	ug/L	05/31/12	R/T	SW8260	
1,3-Dichloropropane	ND	1.0	ug/L	05/31/12	R/T	SW8260	
1,4-Dichlorobenzene	ND	1.0	ug/L	05/31/12	R/T	SW8260	
2,2-Dichloropropane	ND	1.0	ug/L	05/31/12	R/T	SW8260	
2-Chlorotoluene	ND	1.0	ug/L	05/31/12	R/T	SW8260	
2-Hexanone	ND	5.0	ug/L	05/31/12	R/T	SW8260	
2-Isopropyltoluene	ND	1.0	ug/L	05/31/12	R/T	SW8260	1
4-Chlorotoluene	ND	1.0	ug/L	05/31/12	R/T	SW8260	
4-Methyl-2-pentanone	ND	5.0	ug/L	05/31/12	R/T	SW8260	
Acetone	ND	25	ug/L	05/31/12	R/T	SW8260	
Acrylonitrile	ND	5.0	ug/L	05/31/12	R/T	SW8260	
Benzene	ND	0.70	ug/L	05/31/12	R/T	SW8260	
Bromobenzene	ND	1.0	ug/L	05/31/12	R/T	SW8260	1P
Bromochloromethane	ND	1.0	ug/L	05/31/12	R/T	SW8260	
Bromodichloromethane	ND	0.50	ug/L	05/31/12	R/T	SW8260	
Bromoform	ND	1.0	ug/L	05/31/12	R/T	SW8260	

Project ID: 333 WEST 38TH ST.
Client ID: GW-2

Phoenix I.D.: BB91006

Parameter	Result	RL	Units	Date/Time	By	Reference	
Bromomethane	ND	1.0	ug/L	05/31/12	R/T	SW8260	
Carbon Disulfide	ND	5.0	ug/L	05/31/12	R/T	SW8260	
Carbon tetrachloride	ND	1.0	ug/L	05/31/12	R/T	SW8260	
Chlorobenzene	ND	1.0	ug/L	05/31/12	R/T	SW8260	
Chloroethane	ND	1.0	ug/L	05/31/12	R/T	SW8260	
Chloroform	ND	1.0	ug/L	05/31/12	R/T	SW8260	
Chloromethane	ND	1.0	ug/L	05/31/12	R/T	SW8260	
cis-1,2-Dichloroethene	ND	1.0	ug/L	05/31/12	R/T	SW8260	
cis-1,3-Dichloropropene	ND	0.50	ug/L	05/31/12	R/T	SW8260	1
Dibromochloromethane	ND	0.50	ug/L	05/31/12	R/T	SW8260	
Dibromomethane	ND	1.0	ug/L	05/31/12	R/T	SW8260	
Dichlorodifluoromethane	ND	1.0	ug/L	05/31/12	R/T	SW8260	
Ethylbenzene	ND	1.0	ug/L	05/31/12	R/T	SW8260	
Hexachlorobutadiene	ND	0.40	ug/L	05/31/12	R/T	SW8260	
Isopropylbenzene	ND	1.0	ug/L	05/31/12	R/T	SW8260	
m&p-Xylene	ND	1.0	ug/L	05/31/12	R/T	SW8260	
Methyl ethyl ketone	ND	5.0	ug/L	05/31/12	R/T	SW8260	
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	05/31/12	R/T	SW8260	
Methylene chloride	ND	1.0	ug/L	05/31/12	R/T	SW8260	
Naphthalene	ND	1.0	ug/L	05/31/12	R/T	SW8260	
n-Butylbenzene	ND	1.0	ug/L	05/31/12	R/T	SW8260	
n-Propylbenzene	ND	1.0	ug/L	05/31/12	R/T	SW8260	
o-Xylene	ND	1.0	ug/L	05/31/12	R/T	SW8260	
p-Isopropyltoluene	ND	1.0	ug/L	05/31/12	R/T	SW8260	
sec-Butylbenzene	ND	1.0	ug/L	05/31/12	R/T	SW8260	
Styrene	ND	1.0	ug/L	05/31/12	R/T	SW8260	
tert-Butylbenzene	ND	1.0	ug/L	05/31/12	R/T	SW8260	
Tetrachloroethene	ND	1.0	ug/L	05/31/12	R/T	SW8260	
Tetrahydrofuran (THF)	ND	5.0	ug/L	05/31/12	R/T	SW8260	1
Toluene	1.3	1.0	ug/L	05/31/12	R/T	SW8260	
Total Xylenes	ND	1.0	ug/L	05/31/12	R/T	SW8260	
trans-1,2-Dichloroethene	ND	1.0	ug/L	05/31/12	R/T	SW8260	
trans-1,3-Dichloropropene	ND	0.50	ug/L	05/31/12	R/T	SW8260	
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	05/31/12	R/T	SW8260	
Trichloroethene	ND	1.0	ug/L	05/31/12	R/T	SW8260	
Trichlorofluoromethane	ND	1.0	ug/L	05/31/12	R/T	SW8260	
Trichlorotrifluoroethane	ND	1.0	ug/L	05/31/12	R/T	SW8260	IP
Vinyl chloride	ND	1.0	ug/L	05/31/12	R/T	SW8260	
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	100		%	05/31/12	R/T	70 - 130 %	
% Bromofluorobenzene	101		%	05/31/12	R/T	70 - 130 %	
% Dibromofluoromethane	88		%	05/31/12	R/T	70 - 130 %	
% Toluene-d8	106		%	05/31/12	R/T	70 - 130 %	

Semivolatiles

1,2,4-Trichlorobenzene	ND	5.3	ug/L	06/03/12	KCA	SW8270
1,2-Dichlorobenzene	ND	5.3	ug/L	06/03/12	KCA	SW8270
1,3-Dichlorobenzene	ND	5.3	ug/L	06/03/12	KCA	SW8270
1,4-Dichlorobenzene	ND	5.3	ug/L	06/03/12	KCA	SW8270
2,4,5-Trichlorophenol	ND	11	ug/L	06/03/12	KCA	SW8270

Project ID: 333 WEST 38TH ST.
Client ID: GW-2

Phoenix I.D.: BB91006

Parameter	Result	RL	Units	Date/Time	By	Reference	
2,4,6-Trichlorophenol	ND	11	ug/L	06/03/12	KCA	SW8270	
2,4-Dichlorophenol	ND	11	ug/L	06/03/12	KCA	SW8270	
2,4-Dimethylphenol	ND	11	ug/L	06/03/12	KCA	SW8270	
2,4-Dinitrophenol	ND	53	ug/L	06/03/12	KCA	SW8270	
2,4-Dinitrotoluene	ND	5.3	ug/L	06/03/12	KCA	SW8270	
2,6-Dinitrotoluene	ND	5.3	ug/L	06/03/12	KCA	SW8270	
2-Chloronaphthalene	ND	5.3	ug/L	06/03/12	KCA	SW8270	
2-Chlorophenol	ND	11	ug/L	06/03/12	KCA	SW8270	
2-Methylnaphthalene	ND	5.3	ug/L	06/03/12	KCA	SW8270	
2-Methylphenol (o-cresol)	ND	11	ug/L	06/03/12	KCA	SW8270	
2-Nitroaniline	ND	53	ug/L	06/03/12	KCA	SW8270	
2-Nitrophenol	ND	11	ug/L	06/03/12	KCA	SW8270	
3&4-Methylphenol (m&p-cresol)	ND	11	ug/L	06/03/12	KCA	SW8270	
3,3'-Dichlorobenzidine	ND	53	ug/L	06/03/12	KCA	SW8270	
3-Nitroaniline	ND	53	ug/L	06/03/12	KCA	SW8270	
4,6-Dinitro-2-methylphenol	ND	53	ug/L	06/03/12	KCA	SW8270	
4-Bromophenyl phenyl ether	ND	5.3	ug/L	06/03/12	KCA	SW8270	
4-Chloro-3-methylphenol	ND	21	ug/L	06/03/12	KCA	SW8270	
4-Chloroaniline	ND	21	ug/L	06/03/12	KCA	SW8270	
4-Chlorophenyl phenyl ether	ND	5.3	ug/L	06/03/12	KCA	SW8270	
4-Nitroaniline	ND	21	ug/L	06/03/12	KCA	SW8270	
4-Nitrophenol	ND	53	ug/L	06/03/12	KCA	SW8270	
Acetophenone	ND	5.3	ug/L	06/03/12	KCA	SW8270	
Aniline	ND	11	ug/L	06/03/12	KCA	SW8270	LO
Anthracene	ND	5.3	ug/L	06/03/12	KCA	SW8270	
Azobenzene	ND	5.3	ug/L	06/03/12	KCA	SW8270	1
Benzidine	ND	53	ug/L	06/03/12	KCA	SW8270	
Benzoic acid	ND	53	ug/L	06/03/12	KCA	SW8270	LP
Benzyl butyl phthalate	ND	5.3	ug/L	06/03/12	KCA	SW8270	
Bis(2-chloroethoxy)methane	ND	5.3	ug/L	06/03/12	KCA	SW8270	
Bis(2-chloroethyl)ether	ND	5.3	ug/L	06/03/12	KCA	SW8270	
Bis(2-chloroisopropyl)ether	ND	5.3	ug/L	06/03/12	KCA	SW8270	
Carbazole	ND	5.3	ug/L	06/03/12	KCA	SW8270	
Dibenzofuran	ND	5.3	ug/L	06/03/12	KCA	SW8270	
Diethyl phthalate	ND	5.3	ug/L	06/03/12	KCA	SW8270	
Dimethylphthalate	ND	5.3	ug/L	06/03/12	KCA	SW8270	
Di-n-butylphthalate	ND	5.3	ug/L	06/03/12	KCA	SW8270	
Di-n-octylphthalate	ND	5.3	ug/L	06/03/12	KCA	SW8270	
Fluoranthene	ND	5.3	ug/L	06/03/12	KCA	SW8270	
Fluorene	ND	5.3	ug/L	06/03/12	KCA	SW8270	
Hexachlorobutadiene	ND	5.3	ug/L	06/03/12	KCA	SW8270	
Hexachlorocyclopentadiene	ND	5.3	ug/L	06/03/12	KCA	SW8270	
Isophorone	ND	5.3	ug/L	06/03/12	KCA	SW8270	
Naphthalene	ND	5.3	ug/L	06/03/12	KCA	SW8270	
Nitrobenzene	ND	5.3	ug/L	06/03/12	KCA	SW8270	
N-Nitrosodimethylamine	ND	5.3	ug/L	06/03/12	KCA	SW8270	
N-Nitrosodi-n-propylamine	ND	5.3	ug/L	06/03/12	KCA	SW8270	
N-Nitrosodiphenylamine	ND	5.3	ug/L	06/03/12	KCA	SW8270	
Phenol	ND	11	ug/L	06/03/12	KCA	SW8270	
Pyrene	ND	5.3	ug/L	06/03/12	KCA	SW8270	

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Parameter	Result	RL	Units	Date/Time	By	Reference
QA/QC Surrogates						
% 2,4,6-Tribromophenol	113		%	06/03/12	KCA	15 - 130 %
% 2-Fluorobiphenyl	74		%	06/03/12	KCA	30 - 130 %
% 2-Fluorophenol	71		%	06/03/12	KCA	15 - 130 %
% Nitrobenzene-d5	84		%	06/03/12	KCA	30 - 130 %
% Phenol-d5	73		%	06/03/12	KCA	15 - 130 %
% Terphenyl-d14	87		%	06/03/12	KCA	30 - 130 %
Semivolatiles						
1,2,4,5-Tetrachlorobenzene	ND	1.7	ug/L	05/31/12	KCA	SW8270 (SIM)
Acenaphthene	ND	0.053	ug/L	05/31/12	KCA	SW8270 (SIM)
Acenaphthylene	ND	0.053	ug/L	05/31/12	KCA	SW8270 (SIM)
Benz(a)anthracene	0.042	0.042	ug/L	05/31/12	KCA	SW8270 (SIM)
Benzo(a)pyrene	ND	0.053	ug/L	05/31/12	KCA	SW8270 (SIM)
Benzo(b)fluoranthene	ND	0.053	ug/L	05/31/12	KCA	SW8270 (SIM)
Benzo(ghi)perylene	ND	3.2	ug/L	05/31/12	KCA	SW8270 (SIM)
Benzo(k)fluoranthene	ND	0.053	ug/L	05/31/12	KCA	SW8270 (SIM)
Bis(2-ethylhexyl)phthalate	ND	1.7	ug/L	05/31/12	KCA	SW8270 (SIM)
Chrysene	ND	0.053	ug/L	05/31/12	KCA	SW8270 (SIM)
Dibenz(a,h)anthracene	ND	0.011	ug/L	05/31/12	KCA	SW8270 (SIM)
Hexachlorobenzene	ND	0.063	ug/L	05/31/12	KCA	SW8270 (SIM)
Hexachloroethane	ND	2.5	ug/L	05/31/12	KCA	SW8270 (SIM)
Indeno(1,2,3-cd)pyrene	ND	0.053	ug/L	05/31/12	KCA	SW8270 (SIM)
Pentachloronitrobenzene	ND	0.11	ug/L	05/31/12	KCA	SW8270 (SIM) LO
Pentachlorophenol	ND	0.84	ug/L	05/31/12	KCA	SW8270 (SIM)
Phenanthrene	ND	0.053	ug/L	05/31/12	KCA	SW8270 (SIM)
Pyridine	ND	0.53	ug/L	05/31/12	KCA	SW8270 (SIM)
QA/QC Surrogates						
% 2,4,6-Tribromophenol	113		%	05/31/12	KCA	15 - 130 %
% 2-Fluorobiphenyl	74		%	05/31/12	KCA	30 - 130 %
% 2-Fluorophenol	71		%	05/31/12	KCA	15 - 130 %
% Nitrobenzene-d5	84		%	05/31/12	KCA	30 - 130 %
% Phenol-d5	73		%	05/31/12	KCA	15 - 130 %
% Terphenyl-d14	87		%	05/31/12	KCA	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.
1P = This parameter is pending certification by NY NELAC for this matrix.
1O = This parameter is not certified by NY NELAC for this matrix.

RL=Reporting 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 06, 2012
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

July 06, 2012

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

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:	SD	05/24/12	0:00
Location Code:	GALLI-ENG	Received by:	LB	05/29/12	17:39
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBB90994
Phoenix ID: BB91007

Project ID: 333 WEST 38TH ST.
Client ID: GW-FB

Parameter	Result	RL	Units	Date/Time	By	Reference
Silver	< 0.001	0.001	mg/L	05/31/12	LK	SW6010
Aluminum	< 0.010	0.010	mg/L	05/31/12	LK	SW6010
Arsenic	< 0.004	0.004	mg/L	05/31/12	LK	SW6010
Barium	< 0.002	0.002	mg/L	05/31/12	LK	SW6010
Beryllium	< 0.001	0.001	mg/L	05/31/12	LK	SW6010
Calcium	0.033	0.010	mg/L	05/31/12	LK	SW6010
Cadmium	< 0.001	0.001	mg/L	05/31/12	LK	SW6010
Cobalt	< 0.002	0.002	mg/L	05/31/12	LK	SW6010
Chromium	< 0.001	0.001	mg/L	05/31/12	LK	SW6010
Copper	< 0.005	0.005	mg/L	05/31/12	LK	SW6010
Silver (Dissolved)	< 0.001	0.001	mg/L	05/30/12	EK	SW6010
Aluminum (Dissolved)	< 0.01	0.01	mg/L	05/30/12	EK	SW6010
Arsenic (Dissolved)	< 0.004	0.004	mg/L	05/30/12	EK	SW6010
Barium (Dissolved)	< 0.002	0.002	mg/L	05/30/12	EK	SW6010
Beryllium (Dissolved)	< 0.001	0.001	mg/L	05/30/12	EK	SW6010
Calcium (Dissolved)	0.01	0.01	mg/L	06/04/12	EK	SW6010
Cadmium (Dissolved)	< 0.001	0.001	mg/L	05/30/12	EK	SW6010
Cobalt (Dissolved)	< 0.001	0.001	mg/L	05/30/12	EK	SW6010
Chromium (Dissolved)	< 0.001	0.001	mg/L	05/30/12	EK	SW6010
Copper (Dissolved)	< 0.005	0.005	mg/L	05/30/12	EK	SW6010
Iron (Dissolved)	< 0.011	0.011	mg/L	05/30/12	EK	SW6010
Mercury (Dissolved)	< 0.0002	0.0002	mg/L	05/30/12	RS	SW7470
Potassium (Dissolved)	0.3	0.1	mg/L	05/30/12	EK	SW6010
Magnesium (Dissolved)	< 0.01	0.01	mg/L	05/30/12	EK	SW6010
Manganese (Dissolved)	< 0.001	0.001	mg/L	05/30/12	EK	SW6010
Sodium (Dissolved)	< 0.11	0.11	mg/L	05/30/12	EK	SW6010
Nickel (Dissolved)	0.001	0.001	mg/L	05/30/12	EK	SW6010
Lead (Dissolved)	< 0.002	0.002	mg/L	05/30/12	EK	SW6010

Project ID: 333 WEST 38TH ST.
Client ID: GW-FB

Phoenix I.D.: BB91007

Parameter	Result	RL	Units	Date/Time	By	Reference
Antimony (Dissolved)	< 0.005	0.005	mg/L	05/30/12	EK	SW6010
Selenium (Dissolved)	< 0.011	0.011	mg/L	05/30/12	EK	SW6010
Thallium (Dissolved)	< 0.002	0.002	mg/L	05/30/12	RS	SW7010
Vanadium (Dissolved)	< 0.002	0.002	mg/L	05/30/12	EK	SW6010
Zinc (Dissolved)	0.012	0.002	mg/L	05/30/12	EK	SW6010
Iron	0.013	0.010	mg/L	05/31/12	LK	SW6010
Mercury	< 0.0002	0.0002	mg/L	05/30/12	RS	SW7470
Potassium	< 0.1	0.1	mg/L	05/31/12	LK	SW6010
Magnesium	< 0.01	0.01	mg/L	05/31/12	LK	SW6010
Manganese	< 0.001	0.001	mg/L	05/31/12	LK	SW6010
Sodium	< 0.1	0.1	mg/L	05/31/12	LK	SW6010
Nickel	0.001	0.001	mg/L	05/31/12	LK	SW6010
Lead	0.003	0.002	mg/L	05/31/12	LK	SW6010
Antimony	< 0.005	0.005	mg/L	05/31/12	LK	SW6010
Selenium	< 0.010	0.010	mg/L	05/31/12	LK	SW6010
Thallium	< 0.002	0.002	mg/L	05/30/12	RS	SW7010
Dissolved Metals Preparation	Completed			05/29/12	AG	SW846-3005
Total Metals Digestion	Completed			05/29/12	AG	
Vanadium	< 0.002	0.002	mg/L	05/31/12	LK	SW6010
Zinc	0.016	0.002	mg/L	05/31/12	LK	SW6010
Filtration	Completed			05/29/12	AG	0.45um Filter
Dissolved Mercury Digestion	Completed			05/30/12	X/X	SW7470
Mercury Digestion	Completed			05/30/12	X/X	SW7470
PCB Extraction	Completed			05/29/12	L/TL	SW3510C
Extraction for Pest (2 Liter)	Completed			05/29/12	L	SW3510
Semi-Volatile Extraction	Completed			05/30/12	F/E	SW3520
Polychlorinated Biphenyls						
PCB-1016	ND	0.10	ug/L	05/31/12	MH	608/ 8082
PCB-1221	ND	0.10	ug/L	05/31/12	MH	608/ 8082
PCB-1232	ND	0.10	ug/L	05/31/12	MH	608/ 8082
PCB-1242	ND	0.10	ug/L	05/31/12	MH	608/ 8082
PCB-1248	ND	0.10	ug/L	05/31/12	MH	608/ 8082
PCB-1254	ND	0.10	ug/L	05/31/12	MH	608/ 8082
PCB-1260	ND	0.10	ug/L	05/31/12	MH	608/ 8082
PCB-1262	ND	0.10	ug/L	05/31/12	MH	608/ 8082
PCB-1268	ND	0.10	ug/L	05/31/12	MH	608/ 8082
QA/QC Surrogates						
% DCBP	59		%	05/31/12	MH	30 - 150 %
% TCMX	77		%	05/31/12	MH	30 - 150 %
Pesticides						
4,4' -DDD	ND	0.1	ug/L	05/31/12	K/P	SW8081
4,4' -DDE	ND	0.1	ug/L	05/31/12	K/P	SW8081
4,4' -DDT	ND	0.1	ug/L	05/31/12	K/P	SW8081
a-BHC	ND	0.05	ug/L	05/31/12	K/P	SW8081
Alachlor	ND	0.1	ug/L	05/31/12	K/P	SW8081 1
Aldrin	ND	0.003	ug/L	05/31/12	K/P	SW8081
b-BHC	ND	0.01	ug/L	05/31/12	K/P	SW8081
Chlordane	ND	0.3	ug/L	05/31/12	K/P	SW8081
d-BHC	ND	0.05	ug/L	05/31/12	K/P	SW8081

Parameter	Result	RL	Units	Date/Time	By	Reference	
Dieldrin	ND	0.002	ug/L	05/31/12	K/P	SW8081	
Endosulfan I	ND	0.05	ug/L	05/31/12	K/P	SW8081	
Endosulfan II	ND	0.1	ug/L	05/31/12	K/P	SW8081	
Endosulfan Sulfate	ND	0.1	ug/L	05/31/12	K/P	SW8081	
Endrin	ND	0.1	ug/L	05/31/12	K/P	SW8081	
Endrin Aldehyde	ND	0.1	ug/L	05/31/12	K/P	SW8081	
Endrin ketone	ND	0.1	ug/L	05/31/12	K/P	SW8081	
g-BHC (Lindane)	ND	0.05	ug/L	05/31/12	K/P	SW8081	
Heptachlor	ND	0.05	ug/L	05/31/12	K/P	SW8081	
Heptachlor epoxide	ND	0.05	ug/L	05/31/12	K/P	SW8081	
Methoxychlor	ND	0.2	ug/L	05/31/12	K/P	SW8081	
Toxaphene	ND	1.0	ug/L	05/31/12	K/P	SW8081	
QA/QC Surrogates							
%DCBP (Surrogate Rec)	71		%	05/31/12	K/P	30 - 150 %	
%TCMX (Surrogate Rec)	85		%	05/31/12	K/P	30 - 150 %	
Volatiles							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	05/30/12	R/T	SW8260	
1,1,1-Trichloroethane	ND	1.0	ug/L	05/30/12	R/T	SW8260	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	05/30/12	R/T	SW8260	
1,1,2-Trichloroethane	ND	1.0	ug/L	05/30/12	R/T	SW8260	
1,1-Dichloroethane	ND	1.0	ug/L	05/30/12	R/T	SW8260	
1,1-Dichloroethene	ND	1.0	ug/L	05/30/12	R/T	SW8260	
1,1-Dichloropropene	ND	1.0	ug/L	05/30/12	R/T	SW8260	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	05/30/12	R/T	SW8260	
1,2,3-Trichloropropane	ND	1.0	ug/L	05/30/12	R/T	SW8260	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	05/30/12	R/T	SW8260	
1,2,4-Trimethylbenzene	ND	1.0	ug/L	05/30/12	R/T	SW8260	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	05/30/12	R/T	SW8260	
1,2-Dibromoethane	ND	1.0	ug/L	05/30/12	R/T	SW8260	
1,2-Dichlorobenzene	ND	1.0	ug/L	05/30/12	R/T	SW8260	
1,2-Dichloroethane	ND	0.60	ug/L	05/30/12	R/T	SW8260	
1,2-Dichloropropane	ND	1.0	ug/L	05/30/12	R/T	SW8260	
1,3,5-Trimethylbenzene	ND	1.0	ug/L	05/30/12	R/T	SW8260	
1,3-Dichlorobenzene	ND	1.0	ug/L	05/30/12	R/T	SW8260	
1,3-Dichloropropane	ND	1.0	ug/L	05/30/12	R/T	SW8260	
1,4-Dichlorobenzene	ND	1.0	ug/L	05/30/12	R/T	SW8260	
2,2-Dichloropropane	ND	1.0	ug/L	05/30/12	R/T	SW8260	
2-Chlorotoluene	ND	1.0	ug/L	05/30/12	R/T	SW8260	
2-Hexanone	ND	5.0	ug/L	05/30/12	R/T	SW8260	
2-Isopropyltoluene	ND	1.0	ug/L	05/30/12	R/T	SW8260	1
4-Chlorotoluene	ND	1.0	ug/L	05/30/12	R/T	SW8260	
4-Methyl-2-pentanone	ND	5.0	ug/L	05/30/12	R/T	SW8260	
Acetone	ND	25	ug/L	05/30/12	R/T	SW8260	
Acrylonitrile	ND	5.0	ug/L	05/30/12	R/T	SW8260	
Benzene	ND	0.70	ug/L	05/30/12	R/T	SW8260	
Bromobenzene	ND	1.0	ug/L	05/30/12	R/T	SW8260	1P
Bromochloromethane	ND	1.0	ug/L	05/30/12	R/T	SW8260	
Bromodichloromethane	ND	0.50	ug/L	05/30/12	R/T	SW8260	
Bromoform	ND	1.0	ug/L	05/30/12	R/T	SW8260	

Project ID: 333 WEST 38TH ST.
Client ID: GW-FB

Phoenix I.D.: BB91007

Parameter	Result	RL	Units	Date/Time	By	Reference	
Bromomethane	ND	1.0	ug/L	05/30/12	R/T	SW8260	
Carbon Disulfide	ND	5.0	ug/L	05/30/12	R/T	SW8260	
Carbon tetrachloride	ND	1.0	ug/L	05/30/12	R/T	SW8260	
Chlorobenzene	ND	1.0	ug/L	05/30/12	R/T	SW8260	
Chloroethane	ND	1.0	ug/L	05/30/12	R/T	SW8260	
Chloroform	ND	1.0	ug/L	05/30/12	R/T	SW8260	
Chloromethane	ND	1.0	ug/L	05/30/12	R/T	SW8260	
cis-1,2-Dichloroethene	ND	1.0	ug/L	05/30/12	R/T	SW8260	
cis-1,3-Dichloropropene	ND	0.50	ug/L	05/30/12	R/T	SW8260	1
Dibromochloromethane	ND	0.50	ug/L	05/30/12	R/T	SW8260	
Dibromomethane	ND	1.0	ug/L	05/30/12	R/T	SW8260	
Dichlorodifluoromethane	ND	1.0	ug/L	05/30/12	R/T	SW8260	
Ethylbenzene	ND	1.0	ug/L	05/30/12	R/T	SW8260	
Hexachlorobutadiene	ND	0.40	ug/L	05/30/12	R/T	SW8260	
Isopropylbenzene	ND	1.0	ug/L	05/30/12	R/T	SW8260	
m&p-Xylene	ND	1.0	ug/L	05/30/12	R/T	SW8260	
Methyl ethyl ketone	ND	5.0	ug/L	05/30/12	R/T	SW8260	
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	05/30/12	R/T	SW8260	
Methylene chloride	ND	1.0	ug/L	05/30/12	R/T	SW8260	
Naphthalene	ND	1.0	ug/L	05/30/12	R/T	SW8260	
n-Butylbenzene	ND	1.0	ug/L	05/30/12	R/T	SW8260	
n-Propylbenzene	ND	1.0	ug/L	05/30/12	R/T	SW8260	
o-Xylene	ND	1.0	ug/L	05/30/12	R/T	SW8260	
p-Isopropyltoluene	ND	1.0	ug/L	05/30/12	R/T	SW8260	
sec-Butylbenzene	ND	1.0	ug/L	05/30/12	R/T	SW8260	
Styrene	ND	1.0	ug/L	05/30/12	R/T	SW8260	
tert-Butylbenzene	ND	1.0	ug/L	05/30/12	R/T	SW8260	
Tetrachloroethene	ND	1.0	ug/L	05/30/12	R/T	SW8260	
Tetrahydrofuran (THF)	ND	5.0	ug/L	05/30/12	R/T	SW8260	1
Toluene	ND	1.0	ug/L	05/30/12	R/T	SW8260	
Total Xylenes	ND	1.0	ug/L	05/30/12	R/T	SW8260	
trans-1,2-Dichloroethene	ND	1.0	ug/L	05/30/12	R/T	SW8260	
trans-1,3-Dichloropropene	ND	0.50	ug/L	05/30/12	R/T	SW8260	
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	05/30/12	R/T	SW8260	
Trichloroethene	ND	1.0	ug/L	05/30/12	R/T	SW8260	
Trichlorofluoromethane	ND	1.0	ug/L	05/30/12	R/T	SW8260	
Trichlorotrifluoroethane	ND	1.0	ug/L	05/30/12	R/T	SW8260	IP
Vinyl chloride	ND	1.0	ug/L	05/30/12	R/T	SW8260	
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	99		%	05/30/12	R/T	70 - 130 %	
% Bromofluorobenzene	107		%	05/30/12	R/T	70 - 130 %	
% Dibromofluoromethane	88		%	05/30/12	R/T	70 - 130 %	
% Toluene-d8	82		%	05/30/12	R/T	70 - 130 %	

Semivolatiles

1,2,4-Trichlorobenzene	ND	5.3	ug/L	06/03/12	KCA	SW8270
1,2-Dichlorobenzene	ND	5.3	ug/L	06/03/12	KCA	SW8270
1,3-Dichlorobenzene	ND	5.3	ug/L	06/03/12	KCA	SW8270
1,4-Dichlorobenzene	ND	5.3	ug/L	06/03/12	KCA	SW8270
2,4,5-Trichlorophenol	ND	11	ug/L	06/03/12	KCA	SW8270

Project ID: 333 WEST 38TH ST.
Client ID: GW-FB

Phoenix I.D.: BB91007

Parameter	Result	RL	Units	Date/Time	By	Reference	
2,4,6-Trichlorophenol	ND	11	ug/L	06/03/12	KCA	SW8270	
2,4-Dichlorophenol	ND	11	ug/L	06/03/12	KCA	SW8270	
2,4-Dimethylphenol	ND	11	ug/L	06/03/12	KCA	SW8270	
2,4-Dinitrophenol	ND	53	ug/L	06/03/12	KCA	SW8270	
2,4-Dinitrotoluene	ND	5.3	ug/L	06/03/12	KCA	SW8270	
2,6-Dinitrotoluene	ND	5.3	ug/L	06/03/12	KCA	SW8270	
2-Chloronaphthalene	ND	5.3	ug/L	06/03/12	KCA	SW8270	
2-Chlorophenol	ND	11	ug/L	06/03/12	KCA	SW8270	
2-Methylnaphthalene	ND	5.3	ug/L	06/03/12	KCA	SW8270	
2-Methylphenol (o-cresol)	ND	11	ug/L	06/03/12	KCA	SW8270	
2-Nitroaniline	ND	53	ug/L	06/03/12	KCA	SW8270	
2-Nitrophenol	ND	11	ug/L	06/03/12	KCA	SW8270	
3&4-Methylphenol (m&p-cresol)	ND	11	ug/L	06/03/12	KCA	SW8270	
3,3'-Dichlorobenzidine	ND	53	ug/L	06/03/12	KCA	SW8270	
3-Nitroaniline	ND	53	ug/L	06/03/12	KCA	SW8270	
4,6-Dinitro-2-methylphenol	ND	53	ug/L	06/03/12	KCA	SW8270	
4-Bromophenyl phenyl ether	ND	5.3	ug/L	06/03/12	KCA	SW8270	
4-Chloro-3-methylphenol	ND	21	ug/L	06/03/12	KCA	SW8270	
4-Chloroaniline	ND	21	ug/L	06/03/12	KCA	SW8270	
4-Chlorophenyl phenyl ether	ND	5.3	ug/L	06/03/12	KCA	SW8270	
4-Nitroaniline	ND	21	ug/L	06/03/12	KCA	SW8270	
4-Nitrophenol	ND	53	ug/L	06/03/12	KCA	SW8270	
Acetophenone	ND	5.3	ug/L	06/03/12	KCA	SW8270	
Aniline	ND	11	ug/L	06/03/12	KCA	SW8270	LO
Anthracene	ND	5.3	ug/L	06/03/12	KCA	SW8270	
Azobenzene	ND	5.3	ug/L	06/03/12	KCA	SW8270	1
Benzidine	ND	53	ug/L	06/03/12	KCA	SW8270	
Benzoic acid	ND	53	ug/L	06/03/12	KCA	SW8270	LP
Benzyl butyl phthalate	ND	5.3	ug/L	06/03/12	KCA	SW8270	
Bis(2-chloroethoxy)methane	ND	5.3	ug/L	06/03/12	KCA	SW8270	
Bis(2-chloroethyl)ether	ND	5.3	ug/L	06/03/12	KCA	SW8270	
Bis(2-chloroisopropyl)ether	ND	5.3	ug/L	06/03/12	KCA	SW8270	
Carbazole	ND	5.3	ug/L	06/03/12	KCA	SW8270	
Dibenzofuran	ND	5.3	ug/L	06/03/12	KCA	SW8270	
Diethyl phthalate	ND	5.3	ug/L	06/03/12	KCA	SW8270	
Dimethylphthalate	ND	5.3	ug/L	06/03/12	KCA	SW8270	
Di-n-butylphthalate	ND	5.3	ug/L	06/03/12	KCA	SW8270	
Di-n-octylphthalate	ND	5.3	ug/L	06/03/12	KCA	SW8270	
Fluoranthene	ND	5.3	ug/L	06/03/12	KCA	SW8270	
Fluorene	ND	5.3	ug/L	06/03/12	KCA	SW8270	
Hexachlorobutadiene	ND	5.3	ug/L	06/03/12	KCA	SW8270	
Hexachlorocyclopentadiene	ND	5.3	ug/L	06/03/12	KCA	SW8270	
Isophorone	ND	5.3	ug/L	06/03/12	KCA	SW8270	
Naphthalene	ND	5.3	ug/L	06/03/12	KCA	SW8270	
Nitrobenzene	ND	5.3	ug/L	06/03/12	KCA	SW8270	
N-Nitrosodimethylamine	ND	5.3	ug/L	06/03/12	KCA	SW8270	
N-Nitrosodi-n-propylamine	ND	5.3	ug/L	06/03/12	KCA	SW8270	
N-Nitrosodiphenylamine	ND	5.3	ug/L	06/03/12	KCA	SW8270	
Phenol	ND	11	ug/L	06/03/12	KCA	SW8270	
Pyrene	ND	5.3	ug/L	06/03/12	KCA	SW8270	

Project ID: 333 WEST 38TH ST.
Client ID: GW-FB

Phoenix I.D.: BB91007

Parameter	Result	RL	Units	Date/Time	By	Reference
QA/QC Surrogates						
% 2,4,6-Tribromophenol	105		%	06/03/12	KCA	15 - 130 %
% 2-Fluorobiphenyl	66		%	06/03/12	KCA	30 - 130 %
% 2-Fluorophenol	77		%	06/03/12	KCA	15 - 130 %
% Nitrobenzene-d5	84		%	06/03/12	KCA	30 - 130 %
% Phenol-d5	77		%	06/03/12	KCA	15 - 130 %
% Terphenyl-d14	100		%	06/03/12	KCA	30 - 130 %
Semivolatiles						
1,2,4,5-Tetrachlorobenzene	ND	1.7	ug/L	05/31/12	KCA	SW8270 (SIM)
Acenaphthene	ND	0.053	ug/L	05/31/12	KCA	SW8270 (SIM)
Acenaphthylene	ND	0.053	ug/L	05/31/12	KCA	SW8270 (SIM)
Benz(a)anthracene	ND	0.042	ug/L	05/31/12	KCA	SW8270 (SIM)
Benzo(a)pyrene	ND	0.053	ug/L	05/31/12	KCA	SW8270 (SIM)
Benzo(b)fluoranthene	ND	0.053	ug/L	05/31/12	KCA	SW8270 (SIM)
Benzo(ghi)perylene	ND	3.2	ug/L	05/31/12	KCA	SW8270 (SIM)
Benzo(k)fluoranthene	ND	0.053	ug/L	05/31/12	KCA	SW8270 (SIM)
Bis(2-ethylhexyl)phthalate	ND	1.7	ug/L	05/31/12	KCA	SW8270 (SIM)
Chrysene	ND	0.053	ug/L	05/31/12	KCA	SW8270 (SIM)
Dibenz(a,h)anthracene	ND	0.011	ug/L	05/31/12	KCA	SW8270 (SIM)
Hexachlorobenzene	ND	0.063	ug/L	05/31/12	KCA	SW8270 (SIM)
Hexachloroethane	ND	2.5	ug/L	05/31/12	KCA	SW8270 (SIM)
Indeno(1,2,3-cd)pyrene	ND	0.053	ug/L	05/31/12	KCA	SW8270 (SIM)
Pentachloronitrobenzene	ND	0.11	ug/L	05/31/12	KCA	SW8270 (SIM) LO
Pentachlorophenol	ND	0.84	ug/L	05/31/12	KCA	SW8270 (SIM)
Phenanthrene	ND	0.053	ug/L	05/31/12	KCA	SW8270 (SIM)
Pyridine	ND	0.53	ug/L	05/31/12	KCA	SW8270 (SIM)
QA/QC Surrogates						
% 2,4,6-Tribromophenol	105		%	05/31/12	KCA	15 - 130 %
% 2-Fluorobiphenyl	66		%	05/31/12	KCA	30 - 130 %
% 2-Fluorophenol	77		%	05/31/12	KCA	15 - 130 %
% Nitrobenzene-d5	84		%	05/31/12	KCA	30 - 130 %
% Phenol-d5	77		%	05/31/12	KCA	15 - 130 %
% Terphenyl-d14	100		%	05/31/12	KCA	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.
1P = This parameter is pending certification by NY NELAC for this matrix.
1O = This parameter is not certified by NY NELAC for this matrix.

RL=Reporting 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 06, 2012
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

July 06, 2012

QA/QC Data

SDG I.D.: GBB90994

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 201718, QC Sample No: BB89170 (BB90994, BB90995, BB90996, BB90997, BB90998, BB90999, BB91000, BB91001, BB91002, BB91003)												
Mercury - Soil	BRL	<0.08	0.07 B	NC	84.3	78.2	7.5	111	84.4	27.2	70 - 130	30
QA/QC Batch 201416, QC Sample No: BB89896 (BB91005, BB91006, BB91007)												
Thallium - Water	BRL	<0.001	<0.001	NC	115	115	0.0	115	111	3.5	75 - 125	20
QA/QC Batch 201509, QC Sample No: BB90272 (BB91005, BB91006, BB91007)												
ICP Metals - Dissolved												
Aluminum	BRL	0.212	0.28	27.6	87.1	84.0	3.6	92.2	86.5	6.4	75 - 125	20
Antimony	BRL	<0.005	<0.005	NC	89.4	87.5	2.1	92.1	89.9	2.4	75 - 125	20
Arsenic	BRL	<0.004	<0.004	NC	84.4	82.5	2.3	88.3	86.5	2.1	75 - 125	20
Barium	BRL	0.054	0.054	0	92.7	91.6	1.2	95.7	94.7	1.1	75 - 125	20
Beryllium	BRL	<0.004	<0.001	NC	92.3	91.0	1.4	95.5	94.6	0.9	75 - 125	20
Cadmium	BRL	<0.001	<0.001	NC	94.2	93.1	1.2	94.8	93.2	1.7	75 - 125	20
Calcium	BRL	80.1	78.9	1.50	88.2	85.4	3.2	NC	NC	NC	75 - 125	20
Chromium	BRL	<0.001	<0.001	NC	90.4	89.2	1.3	92.1	90.6	1.6	75 - 125	20
Cobalt	BRL	<0.004	<0.001	NC	86.4	85.0	1.6	86.7	85.6	1.3	75 - 125	20
Copper	BRL	<0.005	<0.005	NC	88.6	86.5	2.4	92.2	90.7	1.6	75 - 125	20
Iron	BRL	16.0	16.0	0	85.6	84.2	1.6	NC	NC	NC	75 - 125	20
Lead	BRL	<0.002	<0.002	NC	86.4	84.5	2.2	86.8	85.4	1.6	75 - 125	20
Magnesium	BRL	11.6	11.6	0	94.4	92.0	2.6	NC	NC	NC	75 - 125	20
Manganese	BRL	1.09	1.09	0	90.3	88.4	2.1	90.0	88.0	2.2	75 - 125	20
Nickel	BRL	0.002	0.002	NC	88.4	87.1	1.5	88.6	87.4	1.4	75 - 125	20
Potassium	BRL	6.0	5.9	1.70	90.4	89.1	1.4	99.3	96.7	2.7	75 - 125	20
Selenium	BRL	<0.011	<0.011	NC	88.4	87.6	0.9	93.7	93.1	0.6	75 - 125	20
Silver	BRL	<0.001	<0.001	NC	89.6	87.5	2.4	77.3	75.5	2.4	75 - 125	20
Sodium	BRL	17.3	17.5	1.10	88.7	87.1	1.8	NC	NC	NC	75 - 125	20
Vanadium	BRL	<0.002	<0.002	NC	88.1	85.7	2.8	90.9	89.7	1.3	75 - 125	20
Zinc	BRL	0.012	0.011	8.70	90.0	88.5	1.7	92.4	91.1	1.4	75 - 125	20
QA/QC Batch 201620, QC Sample No: BB90634 (BB91005, BB91006, BB91007)												
Mercury - Water	BRL	<0.0002	<0.0002	NC	99.4	98.9	0.5	100	100	0.0	70 - 130	20
QA/QC Batch 201588, QC Sample No: BB90995 (BB90994, BB90995, BB90996, BB90997, BB90998, BB90999, BB91000, BB91001, BB91002, BB91003, BB91004)												
ICP Metals - Soil												
Aluminum	BRL	11400	11300	0.90	98.8	98.3	0.5	NC	NC	NC	75 - 125	30
Antimony	BRL	<3.8	<3.8	NC	96.0	97.8	1.9	75.0	77.0	2.6	75 - 125	30
Arsenic	BRL	3.41	4.77	NC	84.3	83.4	1.1	89.7	91.9	2.4	75 - 125	30
Barium	BRL	45.6	49.1	7.40	96.8	93.8	3.1	111	116	4.4	75 - 125	30
Beryllium	BRL	0.38	0.39	NC	93.5	92.6	1.0	96.7	98.1	1.4	75 - 125	30
Cadmium	BRL	<0.38	<0.38	NC	82.0	82.7	0.9	91.8	92.6	0.9	75 - 125	30
Calcium	BRL	1150	1200	4.30	93.9	94.5	0.6	NC	NC	NC	75 - 125	30
Chromium	BRL	13.6	14.8	8.50	89.0	89.5	0.6	99.9	102	2.1	75 - 125	30
Cobalt	BRL	6.95	6.66	4.30	85.6	86.7	1.3	95.7	98.3	2.7	75 - 125	30

QA/QC Data

SDG I.D.: GBB90994

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Copper	BRL	11.6	11.4	1.70	84.2	83.8	0.5	96.5	99.1	2.7	75 - 125	30	
Iron	BRL	24700	26300	6.30	101	104	2.9	NC	NC	NC	75 - 125	30	
Lead	BRL	9.50	9.74	2.50	88.7	88.3	0.5	90.6	92.9	2.5	75 - 125	30	
Magnesium	BRL	2760	2660	3.70	95.4	96.8	1.5	NC	NC	NC	75 - 125	30	
Manganese	BRL	294	313	6.30	100	105	4.9	99.4	>130	NC	75 - 125	30	m
Nickel	BRL	12.6	12.3	2.40	83.6	83.7	0.1	90.9	93.8	3.1	75 - 125	30	
Potassium	BRL	776	781	0.60	110	106	3.7	>130	>130	NC	75 - 125	30	m
Selenium	BRL	<1.5	<1.5	NC	82.5	80.7	2.2	76.3	77.1	1.0	75 - 125	30	
Silver	BRL	<0.38	<0.38	NC	85.3	86.0	0.8	93.5	94.5	1.1	75 - 125	30	
Sodium	BRL	81.6	83.2	1.90	108	106	1.9	128	>130	NC	75 - 125	30	m
Thallium	BRL	<3.4	<3.4	NC	86.9	86.1	0.9	91.4	93.6	2.4	75 - 125	30	
Vanadium	BRL	18.7	19.5	4.20	88.8	90.9	2.3	96.4	98.8	2.5	75 - 125	30	
Zinc	BRL	46.9	44.7	4.80	85.1	85.3	0.2	91.7	94.9	3.4	75 - 125	30	
QA/QC Batch 201608, QC Sample No: BB91007 (BB91005, BB91006, BB91007)													
ICP Metals - Aqueous													
Aluminum	BRL	<0.010	<0.010	NC	94.4	96.6	2.3	93.5	93.7	0.2	75 - 125	20	
Antimony	BRL	<0.005	<0.005	NC	97.3	99.1	1.8	97.9	97.9	0.0	75 - 125	20	
Arsenic	BRL	<0.004	<0.004	NC	95.5	96.9	1.5	95.8	95.5	0.3	75 - 125	20	
Barium	BRL	<0.002	<0.002	NC	101	102	1.0	100	101	1.0	75 - 125	20	
Beryllium	BRL	<0.001	<0.001	NC	103	105	1.9	103	103	0.0	75 - 125	20	
Cadmium	BRL	<0.001	<0.001	NC	97.9	99.7	1.8	98.8	98.3	0.5	75 - 125	20	
Calcium	BRL	0.033	0.019	NC	99.7	104	4.2	98.0	98.0	0.0	75 - 125	20	
Chromium	BRL	<0.001	<0.001	NC	97.6	98.9	1.3	98.1	97.8	0.3	75 - 125	20	
Cobalt	BRL	<0.002	<0.002	NC	95.6	97.6	2.1	96.5	96.4	0.1	75 - 125	20	
Copper	BRL	<0.005	<0.005	NC	94.6	96.4	1.9	95.1	94.7	0.4	75 - 125	20	
Iron	BRL	0.013	<0.010	NC	98.1	99.9	1.8	98.7	98.0	0.7	75 - 125	20	
Lead	BRL	0.003	<0.002	NC	98.1	99.8	1.7	99.0	98.8	0.2	75 - 125	20	
Magnesium	BRL	<0.01	<0.01	NC	104	107	2.8	106	104	1.9	75 - 125	20	
Manganese	BRL	<0.001	<0.001	NC	99.4	102	2.6	101	99.8	1.2	75 - 125	20	
Nickel	BRL	0.001	0.001	NC	94.5	96.0	1.6	95.2	95.1	0.1	75 - 125	20	
Potassium	BRL	<0.1	<0.1	NC	101	103	2.0	101	101	0.0	75 - 125	20	
Selenium	BRL	<0.010	<0.010	NC	88.4	90.5	2.3	88.9	89.7	0.9	75 - 125	20	
Silver	BRL	<0.001	<0.001	NC	96.2	97.2	1.0	97.4	97.1	0.3	75 - 125	20	
Sodium	BRL	<0.1	<0.1	NC	119	117	1.7	110	110	0.0	75 - 125	20	
Vanadium	BRL	<0.002	<0.002	NC	94.8	96.7	2.0	95.7	94.9	0.8	75 - 125	20	
Zinc	BRL	0.016	<0.002	NC	99.0	101	2.0	99.8	99.4	0.4	75 - 125	20	
QA/QC Batch 201598, QC Sample No: BB91007 (BB91005, BB91006, BB91007)													
Dissolved Metals													
Thallium	BRL	<0.002	<0.001	NC	111	111	0.0	117	116	0.9	75 - 125	30	
QA/QC Batch 201720, QC Sample No: BB91030 (BB91004)													
Mercury - Soil	BRL	0.55	0.37	NC	97.0	105	7.9	83.0	69.7	17.4	70 - 130	30	m

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

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 06, 2012

QA/QC Data

SDG I.D.: GBB90994

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 201462, QC Sample No: BB90183 (BB91005, BB91006, BB91007)										
Pesticides - Ground Water										
4,4' -DDD	ND	92	84	9.1				40 - 140	20	
4,4' -DDE	ND	101	95	6.1				40 - 140	20	
4,4' -DDT	ND	110	105	4.7				40 - 140	20	
a-BHC	ND	88	86	2.3				40 - 140	20	
a-Chlordane	ND	94	91	3.2				40 - 140	20	
Alachlor	ND	N/A	N/A	NC				40 - 140	20	
Aldrin	ND	77	78	1.3				40 - 140	20	
b-BHC	ND	84	73	14.0				40 - 140	20	
Chlordane	ND	N/A	N/A	NC				40 - 140	20	
d-BHC	ND	94	86	8.9				40 - 140	20	
Dieldrin	ND	96	92	4.3				40 - 140	20	
Endosulfan I	ND	94	92	2.2				40 - 140	20	
Endosulfan II	ND	94	91	3.2				40 - 140	20	
Endosulfan sulfate	ND	103	99	4.0				40 - 140	20	
Endrin	ND	92	88	4.4				40 - 140	20	
Endrin aldehyde	ND	106	101	4.8				40 - 140	20	
Endrin ketone	ND	100	98	2.0				40 - 140	20	
g-BHC	ND	83	84	1.2				40 - 140	20	
g-Chlordane	ND	90	86	4.5				40 - 140	20	
Heptachlor	ND	83	82	1.2				40 - 140	20	
Heptachlor epoxide	ND	89	85	4.6				40 - 140	20	
Methoxychlor	ND	105	89	16.5				40 - 140	20	
Toxaphene	ND	N/A	N/A	NC				40 - 140	20	
% DCBP	91	100	98	2.0				30 - 150	20	
% TCMX	80	88	85	3.5				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.

QA/QC Batch 201500, QC Sample No: BB90474 (BB91005, BB91006, BB91007)										
Polychlorinated Biphenyls - Ground Water										
PCB-1016	ND	99	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	93	96	3.2				40 - 140	20	
PCB-1262	ND							40 - 140	20	
PCB-1268	ND							40 - 140	20	
% DCBP (Surrogate Rec)	83	45	74	48.7				30 - 150	20	r
% TCMX (Surrogate Rec)	84	93	96	3.2				30 - 150	20	

QA/QC Data

SDG I.D.: GBB90994

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	

Comment:

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

* The DCBP surrogate in the LCS sample was low. All other components were within control. No bias is suspected.

QA/QC Batch 201494, QC Sample No: BB90488 (BB90994, BB90995, BB90996, BB90997, BB90998)

Pesticides - Soil

4,4' -DDD	ND	86	65	27.8	88	87	1.1	40 - 140	30	
4,4' -DDE	ND	99	67	38.6	92	88	4.4	40 - 140	30	r
4,4' -DDT	ND	93	72	25.5	94	89	5.5	40 - 140	30	
a-BHC	ND	103	86	18.0	99	94	5.2	40 - 140	30	
a-Chlordane	ND	98	77	24.0	88	83	5.8	40 - 140	30	
Alachlor	ND	N/A	N/A	NC	N/A	N/A	NC	40 - 140	30	
Aldrin	ND	105	83	23.4	86	80	7.2	40 - 140	30	
b-BHC	ND	99	83	17.6	101	92	9.3	40 - 140	30	
Chlordane	ND	N/A	N/A	NC	N/A	N/A	NC	40 - 140	30	
d-BHC	ND	79	63	22.5	91	89	2.2	40 - 140	30	
Dieldrin	ND	105	79	28.3	91	88	3.4	40 - 140	30	
Endosulfan I	ND	99	79	22.5	90	87	3.4	40 - 140	30	
Endosulfan II	ND	82	60	31.0	90	85	5.7	40 - 140	30	r
Endosulfan sulfate	ND	95	74	24.9	92	86	6.7	40 - 140	30	
Endrin	ND	93	73	24.1	92	87	5.6	40 - 140	30	
Endrin aldehyde	ND	102	80	24.2	100	93	7.3	40 - 140	30	
Endrin ketone	ND	103	82	22.7	93	89	4.4	40 - 140	30	
g-BHC	ND	96	78	20.7	96	91	5.3	40 - 140	30	
g-Chlordane	ND	97	76	24.3	89	84	5.8	40 - 140	30	
Heptachlor	ND	90	72	22.2	97	92	5.3	40 - 140	30	
Heptachlor epoxide	ND	97	76	24.3	88	83	5.8	40 - 140	30	
Methoxychlor	ND	88	70	22.8	93	88	5.5	40 - 140	30	
Toxaphene	ND	N/A	N/A	NC	N/A	N/A	NC	40 - 140	30	
% DCBP	81	107	84	24.1	91	89	2.2	30 - 150	30	
% TCMX	77	114	91	22.4	102	100	2.0	30 - 150	30	

QA/QC Batch 201492, QC Sample No: BB90488 (BB90994, BB90995, BB90996, BB90997, BB90998)

Semivolatiles - Soil

1,2,4,5-Tetrachlorobenzene	ND	81	75	7.7	84	81	3.6	30 - 130	30	
1,2,4-Trichlorobenzene	ND	78	72	8.0	79	76	3.9	30 - 130	30	
1,2-Dichlorobenzene	ND	80	74	7.8	81	78	3.8	30 - 130	30	
1,3-Dichlorobenzene	ND	78	71	9.4	76	74	2.7	30 - 130	30	
1,4-Dichlorobenzene	ND	79	72	9.3	77	75	2.6	30 - 130	30	
2,4,5-Trichlorophenol	ND	83	77	7.5	94	91	3.2	30 - 130	30	
2,4,6-Trichlorophenol	ND	84	77	8.7	102	97	5.0	30 - 130	30	
2,4-Dichlorophenol	ND	89	81	9.4	94	90	4.3	30 - 130	30	
2,4-Dimethylphenol	ND	66	60	9.5	78	74	5.3	30 - 130	30	
2,4-Dinitrophenol	ND	<5	<5	NC	<5	<5	NC	30 - 130	30	l,m
2,4-Dinitrotoluene	ND	89	80	10.7	81	81	0.0	30 - 130	30	
2,6-Dinitrotoluene	ND	89	81	9.4	78	78	0.0	30 - 130	30	
2-Chloronaphthalene	ND	82	74	10.3	80	78	2.5	30 - 130	30	
2-Chlorophenol	ND	82	75	8.9	84	81	3.6	30 - 130	30	
2-Methylnaphthalene	ND	83	76	8.8	63	61	3.2	30 - 130	30	
2-Methylphenol (o-cresol)	ND	84	81	3.6	98	93	5.2	30 - 130	30	
2-Nitroaniline	ND	>150	>150	NC	>150	>150	NC	30 - 130	30	l,m
2-Nitrophenol	ND	77	69	11.0	87	82	5.9	30 - 130	30	
3&4-Methylphenol (m&p-cresol)	ND	87	80	8.4	95	90	5.4	30 - 130	30	

QA/QC Data

SDG I.D.: GBB90994

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
3,3'-Dichlorobenzidine	ND	>150	>150	NC	>150	>150	NC	30 - 130	30	l,m
3-Nitroaniline	ND	107	97	9.8	106	103	2.9	30 - 130	30	
4,6-Dinitro-2-methylphenol	ND	29	22	27.5	43	36	17.7	30 - 130	30	l
4-Bromophenyl phenyl ether	ND	87	81	7.1	86	85	1.2	30 - 130	30	
4-Chloro-3-methylphenol	ND	92	84	9.1	94	91	3.2	30 - 130	30	
4-Chloroaniline	ND	>150	>150	NC	>150	>150	NC	30 - 130	30	l,m
4-Chlorophenyl phenyl ether	ND	86	79	8.5	83	82	1.2	30 - 130	30	
4-Nitroaniline	ND	107	97	9.8	106	103	2.9	30 - 130	30	
4-Nitrophenol	ND	84	74	12.7	55	106	63.4	30 - 130	30	r
Acenaphthene	ND	83	77	7.5	85	82	3.6	30 - 130	30	
Acenaphthylene	ND	76	70	8.2	78	75	3.9	30 - 130	30	
Acetophenone	ND	84	77	8.7	86	82	4.8	30 - 130	30	
Aniline	ND	115	102	12.0	30	27	10.5	30 - 130	30	m
Anthracene	ND	85	80	6.1	91	83	9.2	30 - 130	30	
Azobenzene	ND	84	78	7.4	77	76	1.3	30 - 130	30	
Benz(a)anthracene	ND	91	83	9.2	131	108	19.2	30 - 130	30	m
Benzidine	ND	88	118	29.1	<5	6.6	NC	30 - 130	30	m
Benzo(a)pyrene	ND	84	77	8.7	119	101	16.4	30 - 130	30	
Benzo(b)fluoranthene	ND	90	81	10.5	>150	132	NC	30 - 130	30	m
Benzo(ghi)perylene	ND	92	82	11.5	86	72	17.7	30 - 130	30	
Benzo(k)fluoranthene	ND	81	79	2.5	76	82	7.6	30 - 130	30	
Benzyl butyl phthalate	ND	91	84	8.0	96	93	3.2	30 - 130	30	
Bis(2-chloroethoxy)methane	ND	86	80	7.2	87	82	5.9	30 - 130	30	
Bis(2-chloroethyl)ether	ND	78	72	8.0	79	87	9.6	30 - 130	30	
Bis(2-chloroisopropyl)ether	ND	84	77	8.7	84	82	2.4	30 - 130	30	
Bis(2-ethylhexyl)phthalate	ND	90	85	5.7	98	94	4.2	30 - 130	30	
Carbazole	ND	105	102	2.9	111	107	3.7	30 - 130	30	
Chrysene	ND	80	75	6.5	101	90	11.5	30 - 130	30	
Dibenz(a,h)anthracene	ND	93	85	9.0	81	73	10.4	30 - 130	30	
Dibenzofuran	ND	84	78	7.4	85	82	3.6	30 - 130	30	
Diethyl phthalate	ND	87	79	9.6	80	80	0.0	30 - 130	30	
Dimethylphthalate	ND	85	79	7.3	79	81	2.5	30 - 130	30	
Di-n-butylphthalate	ND	87	81	7.1	83	79	4.9	30 - 130	30	
Di-n-octylphthalate	ND	97	90	7.5	103	98	5.0	30 - 130	30	
Fluoranthene	ND	85	80	6.1	118	92	24.8	30 - 130	30	
Fluorene	ND	84	77	8.7	84	80	4.9	30 - 130	30	
Hexachlorobenzene	ND	86	80	7.2	89	84	5.8	30 - 130	30	
Hexachlorobutadiene	ND	81	74	9.0	81	78	3.8	30 - 130	30	
Hexachlorocyclopentadiene	ND	89	78	13.2	12	11	8.7	30 - 130	30	m
Hexachloroethane	ND	78	72	8.0	66	60	9.5	30 - 130	30	
Indeno(1,2,3-cd)pyrene	ND	97	84	14.4	109	93	15.8	30 - 130	30	
Isophorone	ND	86	79	8.5	86	81	6.0	30 - 130	30	
Naphthalene	ND	82	76	7.6	87	83	4.7	30 - 130	30	
Nitrobenzene	ND	84	78	7.4	86	82	4.8	30 - 130	30	
N-Nitrosodimethylamine	ND	89	79	11.9	82	80	2.5	30 - 130	30	
N-Nitrosodi-n-propylamine	ND	85	78	8.6	86	83	3.6	30 - 130	30	
N-Nitrosodiphenylamine	ND	98	92	6.3	89	93	4.4	30 - 130	30	
Pentachloronitrobenzene	ND	>150	>150	NC	>150	>150	NC	30 - 130	30	l,m
Pentachlorophenol	ND	19	16	17.1	>150	132	NC	30 - 130	30	l,m
Phenanthrene	ND	86	80	7.2	117	94	21.8	30 - 130	30	
Phenol	ND	82	77	6.3	89	86	3.4	30 - 130	30	
Pyrene	ND	86	80	7.2	124	98	23.4	30 - 130	30	
Pyridine	ND	83	70	17.0	69	73	5.6	30 - 130	30	

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
% 2,4,6-Tribromophenol	73	83	76	8.8	97	94	3.1	15 - 130	30	
% 2-Fluorobiphenyl	73	78	71	9.4	78	75	3.9	30 - 130	30	
% 2-Fluorophenol	68	83	73	12.8	87	84	3.5	15 - 130	30	
% Nitrobenzene-d5	77	83	75	10.1	85	82	3.6	30 - 130	30	
% Phenol-d5	74	80	75	6.5	87	84	3.5	15 - 130	30	
% Terphenyl-d14	82	89	81	9.4	83	81	2.4	30 - 130	30	

QA/QC Batch 201859, QC Sample No: BB90996 (BB90994, BB90995, BB90996, BB90997, BB90998, BB91000, BB91001, BB91002, BB91003)

Volatiles - Soil

1,1,1,2-Tetrachloroethane	ND	95	99	4.1	81	81	0.0	70 - 130	30	
1,1,1-Trichloroethane	ND	95	95	0.0	87	89	2.3	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	79	82	3.7	77	79	2.6	70 - 130	30	
1,1,2-Trichloroethane	ND	101	104	2.9	83	86	3.6	70 - 130	30	
1,1-Dichloroethane	ND	94	91	3.2	86	90	4.5	70 - 130	30	
1,1-Dichloroethene	ND	81	83	2.4	86	84	2.4	70 - 130	30	
1,1-Dichloropropene	ND	99	99	0.0	88	86	2.3	70 - 130	30	
1,2,3-Trichlorobenzene	ND	76	65	15.6	46	56	19.6	70 - 130	30	l,m
1,2,3-Trichloropropane	ND	80	95	17.1	77	64	18.4	70 - 130	30	m
1,2,4-Trichlorobenzene	ND	67	59	12.7	45	54	18.2	70 - 130	30	l,m
1,2,4-Trimethylbenzene	ND	94	91	3.2	78	79	1.3	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	85	88	3.5	62	66	6.3	70 - 130	30	m
1,2-Dibromoethane	ND	104	104	0.0	83	86	3.6	70 - 130	30	
1,2-Dichlorobenzene	ND	88	86	2.3	73	76	4.0	70 - 130	30	
1,2-Dichloroethane	ND	94	95	1.1	81	83	2.4	70 - 130	30	
1,2-Dichloropropane	ND	96	97	1.0	87	88	1.1	70 - 130	30	
1,3,5-Trimethylbenzene	ND	87	86	1.2	74	73	1.4	70 - 130	30	
1,3-Dichlorobenzene	ND	89	87	2.3	75	77	2.6	70 - 130	30	
1,3-Dichloropropane	ND	99	102	3.0	83	84	1.2	70 - 130	30	
1,4-Dichlorobenzene	ND	84	82	2.4	71	75	5.5	70 - 130	30	
2,2-Dichloropropane	ND	88	86	2.3	79	79	0.0	70 - 130	30	
2-Chlorotoluene	ND	87	87	0.0	79	80	1.3	70 - 130	30	
2-Hexanone	ND	85	85	0.0	49	49	0.0	70 - 130	30	m
2-Isopropyltoluene	ND	99	97	2.0	90	91	1.1	70 - 130	30	
4-Chlorotoluene	ND	84	83	1.2	75	76	1.3	70 - 130	30	
4-Methyl-2-pentanone	ND	92	91	1.1	79	78	1.3	70 - 130	30	
Acetone	ND	69	67	2.9	<40	<40	NC	70 - 130	30	l,m
Acrylonitrile	ND	100	99	1.0	82	89	8.2	70 - 130	30	
Benzene	ND	100	100	0.0	89	90	1.1	70 - 130	30	
Bromobenzene	ND	97	98	1.0	78	76	2.6	70 - 130	30	
Bromochloromethane	ND	100	101	1.0	84	89	5.8	70 - 130	30	
Bromodichloromethane	ND	96	99	3.1	86	88	2.3	70 - 130	30	
Bromoform	ND	113	123	8.5	116	113	2.6	70 - 130	30	
Bromomethane	ND	88	85	3.5	92	97	5.3	70 - 130	30	
Carbon Disulfide	ND	84	86	2.4	80	79	1.3	70 - 130	30	
Carbon tetrachloride	ND	93	101	8.2	91	86	5.6	70 - 130	30	
Chlorobenzene	ND	92	92	0.0	81	83	2.4	70 - 130	30	
Chloroethane	ND	81	84	3.6	88	84	4.7	70 - 130	30	
Chloroform	ND	95	95	0.0	86	91	5.6	70 - 130	30	
Chloromethane	ND	88	85	3.5	87	87	0.0	70 - 130	30	
cis-1,2-Dichloroethene	ND	100	97	3.0	84	90	6.9	70 - 130	30	
cis-1,3-Dichloropropene	ND	92	92	0.0	79	82	3.7	70 - 130	30	
Dibromochloromethane	ND	101	106	4.8	83	85	2.4	70 - 130	30	

QA/QC Data

SDG I.D.: GBB90994

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Dibromomethane	ND	101	102	1.0	84	87	3.5	70 - 130	30	
Dichlorodifluoromethane	ND	97	94	3.1	84	83	1.2	70 - 130	30	
Ethylbenzene	ND	93	91	2.2	82	82	0.0	70 - 130	30	
Hexachlorobutadiene	ND	73	63	14.7	51	56	9.3	70 - 130	30	l,m
Isopropylbenzene	ND	97	96	1.0	86	83	3.6	70 - 130	30	
m&p-Xylene	ND	96	94	2.1	90	89	1.1	70 - 130	30	
Methyl ethyl ketone	ND	77	76	1.3	48	49	2.1	70 - 130	30	m
Methyl t-butyl ether (MTBE)	ND	106	89	17.4	71	91	24.7	70 - 130	30	
Methylene chloride	ND	66	66	0.0	65	70	7.4	70 - 130	30	l,m
Naphthalene	ND	93	72	25.5	49	67	31.0	70 - 130	30	m,r
n-Butylbenzene	ND	88	83	5.8	74	76	2.7	70 - 130	30	
n-Propylbenzene	ND	85	82	3.6	81	81	0.0	70 - 130	30	
o-Xylene	ND	100	99	1.0	92	91	1.1	70 - 130	30	
p-Isopropyltoluene	ND	98	94	4.2	81	81	0.0	70 - 130	30	
sec-Butylbenzene	ND	94	91	3.2	84	82	2.4	70 - 130	30	
Styrene	ND	111	111	0.0	99	99	0.0	70 - 130	30	
tert-Butylbenzene	ND	94	93	1.1	80	80	0.0	70 - 130	30	
Tetrachloroethene	ND	95	94	1.1	84	79	6.1	70 - 130	30	
Tetrahydrofuran (THF)	ND	95	97	2.1	85	87	2.3	70 - 130	30	
Toluene	ND	97	95	2.1	85	86	1.2	70 - 130	30	
trans-1,2-Dichloroethene	ND	96	79	19.4	73	97	28.2	70 - 130	30	
trans-1,3-Dichloropropene	ND	88	88	0.0	74	77	4.0	70 - 130	30	
trans-1,4-dichloro-2-butene	ND	87	83	4.7	61	63	3.2	70 - 130	30	m
Trichloroethene	ND	107	106	0.9	86	85	1.2	70 - 130	30	
Trichlorofluoromethane	ND	89	92	3.3	87	86	1.2	70 - 130	30	
Trichlorotrifluoroethane	ND	88	89	1.1	90	85	5.7	70 - 130	30	
Vinyl chloride	ND	89	83	7.0	84	92	9.1	70 - 130	30	
% 1,2-dichlorobenzene-d4	102	98	97	1.0	99	99	0.0	70 - 130	30	
% Bromofluorobenzene	88	101	103	2.0	112	107	4.6	70 - 130	30	
% Dibromofluoromethane	94	99	102	3.0	100	97	3.0	70 - 130	30	
% Toluene-d8	102	99	99	0.0	101	101	0.0	70 - 130	30	

QA/QC Batch 201567, QC Sample No: BB90999 (BB90994, BB90995, BB90996, BB90997, BB90998, BB90999, BB91000)

Polychlorinated Biphenyls - Soil

PCB-1016	ND	104	89	15.5	88	84	4.7	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	100	88	12.8	86	82	4.8	40 - 140	30	
PCB-1262	ND							40 - 140	30	
PCB-1268	ND							40 - 140	30	
% DCBP (Surrogate Rec)	86	75	69	8.3	86	65	27.8	30 - 150	30	
% TCMX (Surrogate Rec)	93	70	67	4.4	72	72	0.0	30 - 150	30	

QA/QC Batch 201591, QC Sample No: BB91003 (BB90999, BB91000, BB91001, BB91002, BB91003, BB91004)

Semivolatiles - Soil

1,2,4,5-Tetrachlorobenzene	ND	59	61	3.3	66	66	0.0	30 - 130	30	
1,2,4-Trichlorobenzene	ND	59	57	3.4	64	63	1.6	30 - 130	30	
1,2-Dichlorobenzene	ND	68	67	1.5	64	64	0.0	30 - 130	30	
1,3-Dichlorobenzene	ND	66	65	1.5	62	62	0.0	30 - 130	30	
1,4-Dichlorobenzene	ND	67	65	3.0	63	62	1.6	30 - 130	30	
2,4,5-Trichlorophenol	ND	70	70	0.0	76	73	4.0	30 - 130	30	

QA/QC Data

SDG I.D.: GBB90994

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
2,4,6-Trichlorophenol	ND	67	66	1.5	71	71	0.0	30 - 130	30	
2,4-Dichlorophenol	ND	68	70	2.9	73	72	1.4	30 - 130	30	
2,4-Dimethylphenol	ND	50	48	4.1	56	55	1.8	30 - 130	30	
2,4-Dinitrophenol	ND	<5	<5	NC	5.3	4.7	12.0	30 - 130	30	l,m
2,4-Dinitrotoluene	ND	70	68	2.9	76	74	2.7	30 - 130	30	
2,6-Dinitrotoluene	ND	73	75	2.7	76	76	0.0	30 - 130	30	
2-Chloronaphthalene	ND	74	73	1.4	69	68	1.5	30 - 130	30	
2-Chlorophenol	ND	79	78	1.3	68	68	0.0	30 - 130	30	
2-Methylnaphthalene	ND	67	70	4.4	67	65	3.0	30 - 130	30	
2-Methylphenol (o-cresol)	ND	78	78	0.0	68	67	1.5	30 - 130	30	
2-Nitroaniline	ND	>150	>150	NC	>150	146	NC	30 - 130	30	l,m
2-Nitrophenol	ND	50	50	0.0	71	71	0.0	30 - 130	30	
3&4-Methylphenol (m&p-cresol)	ND	83	81	2.4	70	69	1.4	30 - 130	30	
3,3'-Dichlorobenzidine	ND	100	98	2.0	>150	>150	NC	30 - 130	30	m
3-Nitroaniline	ND	115	117	1.7	86	83	3.6	30 - 130	30	
4,6-Dinitro-2-methylphenol	ND	16	16	0.0	56	53	5.5	30 - 130	30	l
4-Bromophenyl phenyl ether	ND	69	67	2.9	71	69	2.9	30 - 130	30	
4-Chloro-3-methylphenol	ND	75	75	0.0	75	74	1.3	30 - 130	30	
4-Chloroaniline	ND	77	81	5.1	>150	>150	NC	30 - 130	30	m
4-Chlorophenyl phenyl ether	ND	70	70	0.0	72	71	1.4	30 - 130	30	
4-Nitroaniline	ND	80	79	1.3	86	83	3.6	30 - 130	30	
4-Nitrophenol	ND	60	59	1.7	78	72	8.0	30 - 130	30	
Acenaphthene	ND	79	76	3.9	68	67	1.5	30 - 130	30	
Acenaphthylene	ND	77	77	0.0	71	70	1.4	30 - 130	30	
Acetophenone	ND	72	71	1.4	67	66	1.5	30 - 130	30	
Aniline	ND	100	98	2.0	>150	>150	NC	30 - 130	30	m
Anthracene	ND	77	74	4.0	73	68	7.1	30 - 130	30	
Azobenzene	ND	90	91	1.1	71	70	1.4	30 - 130	30	
Benz(a)anthracene	ND	76	75	1.3	74	74	0.0	30 - 130	30	
Benzidine	ND	63	60	4.9	29	25	14.8	30 - 130	30	m
Benzo(a)pyrene	ND	72	73	1.4	70	70	0.0	30 - 130	30	
Benzo(b)fluoranthene	ND	84	89	5.8	75	75	0.0	30 - 130	30	
Benzo(ghi)perylene	ND	69	69	0.0	75	74	1.3	30 - 130	30	
Benzo(k)fluoranthene	ND	78	73	6.6	76	75	1.3	30 - 130	30	
Benzyl butyl phthalate	ND	87	86	1.2	83	86	3.6	30 - 130	30	
Bis(2-chloroethoxy)methane	ND	81	82	1.2	71	71	0.0	30 - 130	30	
Bis(2-chloroethyl)ether	ND	85	81	4.8	64	64	0.0	30 - 130	30	
Bis(2-chloroisopropyl)ether	ND	92	90	2.2	71	73	2.8	30 - 130	30	
Bis(2-ethylhexyl)phthalate	ND	89	88	1.1	73	78	6.6	30 - 130	30	
Carbazole	ND	100	100	0.0	104	94	10.1	30 - 130	30	
Chrysene	ND	72	71	1.4	71	71	0.0	30 - 130	30	
Dibenz(a,h)anthracene	ND	68	70	2.9	78	77	1.3	30 - 130	30	
Dibenzofuran	ND	74	73	1.4	71	69	2.9	30 - 130	30	
Diethyl phthalate	ND	76	75	1.3	73	73	0.0	30 - 130	30	
Dimethylphthalate	ND	74	75	1.3	73	72	1.4	30 - 130	30	
Di-n-butylphthalate	ND	86	83	3.6	71	71	0.0	30 - 130	30	
Di-n-octylphthalate	ND	84	83	1.2	75	79	5.2	30 - 130	30	
Fluoranthene	ND	81	77	5.1	72	66	8.7	30 - 130	30	
Fluorene	ND	75	75	0.0	72	70	2.8	30 - 130	30	
Hexachlorobenzene	ND	75	70	6.9	72	71	1.4	30 - 130	30	
Hexachlorobutadiene	ND	55	53	3.7	66	66	0.0	30 - 130	30	
Hexachlorocyclopentadiene	ND	53	58	9.0	66	65	1.5	30 - 130	30	
Hexachloroethane	ND	70	69	1.4	64	65	1.6	30 - 130	30	

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Indeno(1,2,3-cd)pyrene	ND	66	67	1.5	75	74	1.3	30 - 130	30	
Isophorone	ND	78	78	0.0	70	71	1.4	30 - 130	30	
Naphthalene	ND	75	73	2.7	67	66	1.5	30 - 130	30	
Nitrobenzene	ND	74	73	1.4	69	68	1.5	30 - 130	30	
N-Nitrosodimethylamine	ND	77	77	0.0	65	65	0.0	30 - 130	30	
N-Nitrosodi-n-propylamine	ND	77	78	1.3	69	66	4.4	30 - 130	30	
N-Nitrosodiphenylamine	ND	78	82	5.0	92	89	3.3	30 - 130	30	
Pentachloronitrobenzene	ND	140	142	1.4	>150	>150	NC	30 - 130	30	l,m
Pentachlorophenol	ND	30	25	18.2	54	52	3.8	30 - 130	30	l
Phenanthrene	ND	78	77	1.3	73	70	4.2	30 - 130	30	
Phenol	ND	83	83	0.0	70	69	1.4	30 - 130	30	
Pyrene	ND	83	80	3.7	74	67	9.9	30 - 130	30	
Pyridine	ND	67	68	1.5	49	52	5.9	30 - 130	30	
% 2,4,6-Tribromophenol	85	77	77	0.0	77	75	2.6	15 - 130	30	
% 2-Fluorobiphenyl	76	67	66	1.5	66	66	0.0	30 - 130	30	
% 2-Fluorophenol	92	79	79	0.0	67	66	1.5	15 - 130	30	
% Nitrobenzene-d5	84	77	74	4.0	69	69	0.0	30 - 130	30	
% Phenol-d5	93	82	81	1.2	69	67	2.9	15 - 130	30	
% Terphenyl-d14	89	84	78	7.4	74	67	9.9	30 - 130	30	

QA/QC Batch 201687, QC Sample No: BB91005 (BB91005, BB91006, BB91007)

Semivolatiles - Ground Water

1,2,4,5-Tetrachlorobenzene	ND	83	79	4.9				30 - 130	20	
1,2,4-Trichlorobenzene	ND	69	72	4.3				30 - 130	20	
1,2-Dichlorobenzene	ND	64	71	10.4				30 - 130	20	
1,3-Dichlorobenzene	ND	62	67	7.8				30 - 130	20	
1,4-Dichlorobenzene	ND	66	69	4.4				30 - 130	20	
2,4,5-Trichlorophenol	ND	81	76	6.4				30 - 130	20	
2,4,6-Trichlorophenol	ND	86	82	4.8				30 - 130	20	
2,4-Dichlorophenol	ND	88	83	5.8				30 - 130	20	
2,4-Dimethylphenol	ND	51	45	12.5				30 - 130	20	
2,4-Dinitrophenol	ND	94	80	16.1				30 - 130	20	
2,4-Dinitrotoluene	ND	87	81	7.1				30 - 130	20	
2,6-Dinitrotoluene	ND	83	76	8.8				30 - 130	20	
2-Chloronaphthalene	ND	75	77	2.6				30 - 130	20	
2-Chlorophenol	ND	72	70	2.8				30 - 130	20	
2-Methylnaphthalene	ND	80	76	5.1				30 - 130	20	
2-Methylphenol (o-cresol)	ND	75	66	12.8				30 - 130	20	
2-Nitroaniline	ND	149	141	5.5				30 - 130	20	l
2-Nitrophenol	ND	80	74	7.8				30 - 130	20	
3&4-Methylphenol (m&p-cresol)	ND	79	69	13.5				30 - 130	20	
3,3'-Dichlorobenzidine	ND	N/A	N/A	NC				30 - 130	20	
3-Nitroaniline	ND	>150	>150	NC				30 - 130	20	l
4,6-Dinitro-2-methylphenol	ND	102	93	9.2				30 - 130	20	
4-Bromophenyl phenyl ether	ND	82	82	0.0				30 - 130	20	
4-Chloro-3-methylphenol	ND	88	80	9.5				30 - 130	20	
4-Chloroaniline	ND	>150	>150	NC				30 - 130	20	l
4-Chlorophenyl phenyl ether	ND	87	84	3.5				30 - 130	20	
4-Nitroaniline	ND	82	77	6.3				30 - 130	20	
4-Nitrophenol	ND	93	85	9.0				30 - 130	20	
Acenaphthene	ND	79	76	3.9				30 - 130	20	
Acenaphthylene	ND	76	73	4.0				30 - 130	20	
Acetophenone	ND	74	72	2.7				30 - 130	20	

QA/QC Data

SDG I.D.: GBB90994

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Aniline	ND	N/A	N/A	NC				30 - 130	20	
Anthracene	ND	80	77	3.8				30 - 130	20	
Azobenzene	ND	77	73	5.3				30 - 130	20	
Benz(a)anthracene	ND	80	78	2.5				30 - 130	20	
Benzidine	ND	N/A	N/A	NC				10 - 130	20	
Benzo(a)pyrene	ND	68	68	0.0				30 - 130	20	
Benzo(b)fluoranthene	ND	76	76	0.0				30 - 130	20	
Benzo(ghi)perylene	ND	76	79	3.9				30 - 130	20	
Benzo(k)fluoranthene	ND	67	67	0.0				30 - 130	20	
Benzoic acid	ND	N/A	N/A	NC				30 - 130	20	
Benzyl butyl phthalate	ND	69	66	4.4				30 - 130	20	
Bis(2-chloroethoxy)methane	ND	77	77	0.0				30 - 130	20	
Bis(2-chloroethyl)ether	ND	64	65	1.6				30 - 130	20	
Bis(2-chloroisopropyl)ether	ND	63	64	1.6				30 - 130	20	
Bis(2-ethylhexyl)phthalate	ND	68	67	1.5				30 - 130	20	
Carbazole	ND	90	108	18.2				30 - 130	20	
Chrysene	ND	71	75	5.5				30 - 130	20	
Dibenz(a,h)anthracene	ND	74	76	2.7				30 - 130	20	
Dibenzofuran	ND	82	77	6.3				30 - 130	20	
Diethyl phthalate	ND	86	83	3.6				30 - 130	20	
Dimethylphthalate	ND	86	82	4.8				30 - 130	20	
Di-n-butylphthalate	ND	78	80	2.5				30 - 130	20	
Di-n-octylphthalate	ND	80	85	6.1				30 - 130	20	
Fluoranthene	ND	81	81	0.0				30 - 130	20	
Fluorene	ND	86	80	7.2				30 - 130	20	
Hexachlorobenzene	ND	73	76	4.0				30 - 130	20	
Hexachlorobutadiene	ND	71	81	13.2				30 - 130	20	
Hexachlorocyclopentadiene	ND	75	71	5.5				30 - 130	20	
Hexachloroethane	ND	59	65	9.7				30 - 130	20	
Indeno(1,2,3-cd)pyrene	ND	77	76	1.3				30 - 130	20	
Isophorone	ND	75	75	0.0				30 - 130	20	
Naphthalene	ND	73	76	4.0				30 - 130	20	
Nitrobenzene	ND	74	71	4.1				30 - 130	20	
N-Nitrosodimethylamine	ND	61	60	1.7				30 - 130	20	
N-Nitrosodi-n-propylamine	ND	74	67	9.9				30 - 130	20	
N-Nitrosodiphenylamine	ND	106	104	1.9				30 - 130	20	
Pentachloronitrobenzene	ND	>150	>150	NC				30 - 130	20	I
Pentachlorophenol	ND	98	92	6.3				30 - 130	20	
Phenanthrene	ND	82	80	2.5				30 - 130	20	
Phenol	ND	77	69	11.0				30 - 130	20	
Pyrene	ND	82	84	2.4				30 - 130	20	
Pyridine	ND	53	35	40.9				30 - 130	20	r
% 2,4,6-Tribromophenol	108	74	74	0.0				15 - 130	20	
% 2-Fluorobiphenyl	78	70	71	1.4				30 - 130	20	
% 2-Fluorophenol	77	63	61	3.2				15 - 130	20	
% Nitrobenzene-d5	88	71	66	7.3				30 - 130	20	
% Phenol-d5	79	69	64	7.5				15 - 130	20	
% Terphenyl-d14	105	76	79	3.9				30 - 130	20	

Comment:

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

QA/QC Data

SDG I.D.: GBB90994

QA/QC Batch 201768, QC Sample No: BB91007 (BB91005, BB91007)

Volatiles - Ground Water

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
1,1,1,2-Tetrachloroethane	ND	90	89	1.1	93	96	3.2	70 - 130	30	
1,1,1-Trichloroethane	ND	105	105	0.0	100	100	0.0	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	118	116	1.7	115	115	0.0	70 - 130	30	
1,1,2-Trichloroethane	ND	81	91	11.6	100	99	1.0	70 - 130	30	
1,1-Dichloroethane	ND	105	105	0.0	106	104	1.9	70 - 130	30	
1,1-Dichloroethene	ND	87	88	1.1	95	93	2.1	70 - 130	30	
1,1-Dichloropropene	ND	90	103	13.5	112	111	0.9	70 - 130	30	
1,2,3-Trichlorobenzene	ND	113	118	4.3	100	105	4.9	70 - 130	30	
1,2,3-Trichloropropane	ND	105	102	2.9	104	106	1.9	70 - 130	30	
1,2,4-Trichlorobenzene	ND	116	117	0.9	101	104	2.9	70 - 130	30	
1,2,4-Trimethylbenzene	ND	109	109	0.0	105	105	0.0	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	110	110	0.0	103	106	2.9	70 - 130	30	
1,2-Dibromoethane	ND	82	90	9.3	99	103	4.0	70 - 130	30	
1,2-Dichlorobenzene	ND	87	89	2.3	90	90	0.0	70 - 130	30	
1,2-Dichloroethane	ND	105	115	9.1	120	121	0.8	70 - 130	30	
1,2-Dichloropropane	ND	87	100	13.9	102	107	4.8	70 - 130	30	
1,3,5-Trimethylbenzene	ND	109	108	0.9	105	105	0.0	70 - 130	30	
1,3-Dichlorobenzene	ND	98	100	2.0	102	101	1.0	70 - 130	30	
1,3-Dichloropropane	ND	123	122	0.8	117	119	1.7	70 - 130	30	
1,4-Dichlorobenzene	ND	75	76	1.3	80	82	2.5	70 - 130	30	
2,2-Dichloropropane	ND	111	110	0.9	52	52	0.0	70 - 130	30	m
2-Chlorotoluene	ND	109	110	0.9	106	107	0.9	70 - 130	30	
2-Hexanone	ND	121	120	0.8	125	128	2.4	70 - 130	30	
2-Isopropyltoluene	ND	103	103	0.0	100	100	0.0	70 - 130	30	
4-Chlorotoluene	ND	104	104	0.0	105	106	0.9	70 - 130	30	
4-Methyl-2-pentanone	ND	83	94	12.4	111	116	4.4	70 - 130	30	
Acetone	ND	92	116	23.1	133	136	2.2	70 - 130	30	m
Acrylonitrile	ND	110	100	9.5	105	114	8.2	70 - 130	30	
Benzene	ND	87	97	10.9	106	107	0.9	70 - 130	30	
Bromobenzene	ND	116	115	0.9	110	110	0.0	70 - 130	30	
Bromochloromethane	ND	94	95	1.1	96	97	1.0	70 - 130	30	
Bromodichloromethane	ND	87	98	11.9	101	103	2.0	70 - 130	30	
Bromoform	ND	74	76	2.7	72	74	2.7	70 - 130	30	
Bromomethane	ND	93	94	1.1	40	51	24.2	70 - 130	30	m
Carbon Disulfide	ND	90	89	1.1	98	96	2.1	70 - 130	30	
Carbon tetrachloride	ND	91	101	10.4	107	106	0.9	70 - 130	30	
Chlorobenzene	ND	74	73	1.4	78	84	7.4	70 - 130	30	
Chloroethane	ND	92	91	1.1	111	105	5.6	70 - 130	30	
Chloroform	ND	105	103	1.9	100	102	2.0	70 - 130	30	
Chloromethane	ND	92	91	1.1	69	68	1.5	70 - 130	30	m
cis-1,2-Dichloroethene	ND	97	97	0.0	96	97	1.0	70 - 130	30	
cis-1,3-Dichloropropene	ND	81	92	12.7	93	93	0.0	70 - 130	30	
Dibromochloromethane	ND	119	117	1.7	110	111	0.9	70 - 130	30	
Dibromomethane	ND	88	97	9.7	82	87	5.9	70 - 130	30	
Dichlorodifluoromethane	ND	72	69	4.3	46	48	4.3	70 - 130	30	l,m
Ethylbenzene	ND	62	61	1.6	71	74	4.1	70 - 130	30	l
Hexachlorobutadiene	ND	114	115	0.9	92	94	2.2	70 - 130	30	
Isopropylbenzene	ND	104	103	1.0	105	103	1.9	70 - 130	30	
m&p-Xylene	ND	72	73	1.4	77	79	2.6	70 - 130	30	
Methyl ethyl ketone	ND	99	100	1.0	97	100	3.0	70 - 130	30	

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Methyl t-butyl ether (MTBE)	ND	89	100	11.6	109	114	4.5	70 - 130	30	
Methylene chloride	ND	78	77	1.3	79	79	0.0	70 - 130	30	
Naphthalene	ND	123	124	0.8	109	117	7.1	70 - 130	30	
n-Butylbenzene	ND	108	110	1.8	102	100	2.0	70 - 130	30	
n-Propylbenzene	ND	95	93	2.1	97	94	3.1	70 - 130	30	
o-Xylene	ND	72	72	0.0	75	76	1.3	70 - 130	30	
p-Isopropyltoluene	ND	113	114	0.9	104	101	2.9	70 - 130	30	
sec-Butylbenzene	ND	100	99	1.0	99	101	2.0	70 - 130	30	
Styrene	ND	60	63	4.9	67	69	2.9	70 - 130	30	l,m
tert-Butylbenzene	ND	107	109	1.9	105	106	0.9	70 - 130	30	
Tetrachloroethene	ND	113	112	0.9	106	104	1.9	70 - 130	30	
Tetrahydrofuran (THF)	ND	109	113	3.6	118	121	2.5	70 - 130	30	
Toluene	ND	71	80	11.9	100	99	1.0	70 - 130	30	
trans-1,2-Dichloroethene	ND	94	94	0.0	96	96	0.0	70 - 130	30	
trans-1,3-Dichloropropene	ND	82	94	13.6	88	90	2.2	70 - 130	30	
trans-1,4-dichloro-2-butene	ND	118	110	7.0	63	77	20.0	70 - 130	30	m
Trichloroethene	ND	90	90	0.0	95	96	1.0	70 - 130	30	
Trichlorofluoromethane	ND	108	105	2.8	105	102	2.9	70 - 130	30	
Trichlorotrifluoroethane	ND	87	85	2.3	82	83	1.2	70 - 130	30	
Vinyl chloride	ND	89	87	2.3	103	100	3.0	70 - 130	30	
% 1,2-dichlorobenzene-d4	99	104	105	1.0	102	99	3.0	70 - 130	30	
% Bromofluorobenzene	106	124	121	2.4	118	117	0.9	70 - 130	30	
% Dibromofluoromethane	90	92	90	2.2	91	87	4.5	70 - 130	30	
% Toluene-d8	79	79	88	10.8	108	105	2.8	70 - 130	30	

Comment:

A blank MS/MSD was analyzed with this batch.

QA/QC Batch 201592, QC Sample No: BB91030 (BB90999, BB91000, BB91001, BB91002, BB91003, BB91004)

Pesticides - Soil

4,4' -DDD	ND	64	56	13.3	93	94	1.1	40 - 140	30	
4,4' -DDE	ND	66	74	11.4	93	104	11.2	40 - 140	30	
4,4' -DDT	ND	65	75	14.3	85	91	6.8	40 - 140	30	
a-BHC	ND	76	88	14.6	89	98	9.6	40 - 140	30	
a-Chlordane	ND	70	80	13.3	98	108	9.7	40 - 140	30	
Alachlor	ND	N/A	N/A	NC	N/A	N/A	NC	40 - 140	30	
Aldrin	ND	76	87	13.5	86	96	11.0	40 - 140	30	
b-BHC	ND	54	60	10.5	82	88	7.1	40 - 140	30	
Chlordane	ND	N/A	N/A	NC	N/A	N/A	NC	40 - 140	30	
d-BHC	ND	55	63	13.6	81	89	9.4	40 - 140	30	
Dieldrin	ND	77	90	15.6	79	86	8.5	40 - 140	30	
Endosulfan I	ND	78	89	13.2	77	85	9.9	40 - 140	30	
Endosulfan II	ND	84	106	23.2	73	81	10.4	40 - 140	30	
Endosulfan sulfate	ND	59	76	25.2	79	84	6.1	40 - 140	30	
Endrin	ND	70	81	14.6	96	107	10.8	40 - 140	30	
Endrin aldehyde	ND	49	72	38.0	79	89	11.9	40 - 140	30	r
Endrin ketone	ND	71	87	20.3	75	84	11.3	40 - 140	30	
g-BHC	ND	71	82	14.4	124	>130	NC	40 - 140	30	m
g-Chlordane	ND	74	84	12.7	98	110	11.5	40 - 140	30	
Heptachlor	ND	86	98	13.0	98	110	11.5	40 - 140	30	
Heptachlor epoxide	ND	73	83	12.8	83	92	10.3	40 - 140	30	
Methoxychlor	ND	56	65	14.9	93	99	6.3	40 - 140	30	
Toxaphene	ND	N/A	N/A	NC	N/A	N/A	NC	40 - 140	30	
% DCBP	68	74	83	11.5	>130	>130	NC	30 - 150	30	m

QA/QC Data

SDG I.D.: GBB90994

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
% TCMX	74	80	89	10.7	83	90	8.1	30 - 150	30	
QA/QC Batch 201593, QC Sample No: BB91030 (BB91001, BB91002, BB91003, BB91004)										
Polychlorinated Biphenyls - Soil										
PCB-1016	ND	88	104	16.7	121	107	12.3	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	78	84	7.4	122	91	29.1	40 - 140	30	
PCB-1262	ND							40 - 140	30	
PCB-1268	ND							40 - 140	30	
% DCBP (Surrogate Rec)	92	72	74	2.7	91	83	9.2	30 - 150	30	
% TCMX (Surrogate Rec)	103	73	76	4.0	70	77	9.5	30 - 150	30	
QA/QC Batch 201972, QC Sample No: BB91269 (BB91006)										
Volatiles - Ground Water										
1,1,1,2-Tetrachloroethane	ND	90	95	5.4	94	94	0.0	70 - 130	30	
1,1,1-Trichloroethane	ND	97	104	7.0	105	101	3.9	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	122	118	3.3	120	115	4.3	70 - 130	30	
1,1,2-Trichloroethane	ND	105	105	0.0	104	100	3.9	70 - 130	30	
1,1-Dichloroethane	ND	102	109	6.6	110	105	4.7	70 - 130	30	
1,1-Dichloroethene	ND	88	94	6.6	101	96	5.1	70 - 130	30	
1,1-Dichloropropene	ND	109	116	6.2	116	109	6.2	70 - 130	30	
1,2,3-Trichlorobenzene	ND	114	112	1.8	102	101	1.0	70 - 130	30	
1,2,3-Trichloropropane	ND	106	106	0.0	107	107	0.0	70 - 130	30	
1,2,4-Trichlorobenzene	ND	111	111	0.0	105	102	2.9	70 - 130	30	
1,2,4-Trimethylbenzene	ND	108	111	2.7	109	103	5.7	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	110	108	1.8	102	98	4.0	70 - 130	30	
1,2-Dibromoethane	ND	105	104	1.0	106	101	4.8	70 - 130	30	
1,2-Dichlorobenzene	ND	93	93	0.0	93	90	3.3	70 - 130	30	
1,2-Dichloroethane	ND	121	123	1.6	128	121	5.6	70 - 130	30	
1,2-Dichloropropane	ND	108	113	4.5	113	107	5.5	70 - 130	30	
1,3,5-Trimethylbenzene	ND	109	110	0.9	108	105	2.8	70 - 130	30	
1,3-Dichlorobenzene	ND	100	103	3.0	103	100	3.0	70 - 130	30	
1,3-Dichloropropane	ND	125	121	3.3	120	118	1.7	70 - 130	30	
1,4-Dichlorobenzene	ND	77	83	7.5	85	83	2.4	70 - 130	30	
2,2-Dichloropropane	ND	65	68	4.5	54	51	5.7	70 - 130	30	l,m
2-Chlorotoluene	ND	111	111	0.0	111	106	4.6	70 - 130	30	
2-Hexanone	ND	133	127	4.6	124	122	1.6	70 - 130	30	l
2-Isopropyltoluene	ND	99	104	4.9	100	97	3.0	70 - 130	30	
4-Chlorotoluene	ND	105	107	1.9	109	104	4.7	70 - 130	30	
4-Methyl-2-pentanone	ND	118	113	4.3	109	107	1.9	70 - 130	30	
Acetone	ND	125	111	11.9	124	122	1.6	70 - 130	30	
Acrylonitrile	ND	111	113	1.8	112	101	10.3	70 - 130	30	
Benzene	ND	106	112	5.5	112	105	6.5	70 - 130	30	
Bromobenzene	ND	115	117	1.7	114	108	5.4	70 - 130	30	
Bromochloromethane	ND	96	100	4.1	101	97	4.0	70 - 130	30	
Bromodichloromethane	ND	102	106	3.8	109	103	5.7	70 - 130	30	
Bromoform	ND	76	75	1.3	76	75	1.3	70 - 130	30	
Bromomethane	ND	41	62	40.8	84	87	3.5	70 - 130	30	l,r
Carbon Disulfide	ND	89	96	7.6	98	94	4.2	70 - 130	30	
Carbon tetrachloride	ND	102	107	4.8	113	107	5.5	70 - 130	30	

QA/QC Data

SDG I.D.: GBB90994

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Chlorobenzene	ND	77	83	7.5	86	83	3.6	70 - 130	30	
Chloroethane	ND	90	101	11.5	115	103	11.0	70 - 130	30	
Chloroform	ND	101	104	2.9	108	103	4.7	70 - 130	30	
Chloromethane	ND	89	95	6.5	116	111	4.4	70 - 130	30	
cis-1,2-Dichloroethene	ND	96	103	7.0	100	97	3.0	70 - 130	30	
cis-1,3-Dichloropropene	ND	96	97	1.0	96	92	4.3	70 - 130	30	
Dibromochloromethane	ND	116	112	3.5	115	109	5.4	70 - 130	30	
Dibromomethane	ND	101	108	6.7	112	107	4.6	70 - 130	30	
Dichlorodifluoromethane	ND	67	71	5.8	108	105	2.8	70 - 130	30	l
Ethylbenzene	ND	69	74	7.0	73	71	2.8	70 - 130	30	l
Hexachlorobutadiene	ND	99	104	4.9	91	93	2.2	70 - 130	30	
Isopropylbenzene	ND	105	109	3.7	108	104	3.8	70 - 130	30	
m&p-Xylene	ND	77	81	5.1	81	79	2.5	70 - 130	30	
Methyl ethyl ketone	ND	96	101	5.1	123	124	0.8	70 - 130	30	
Methyl t-butyl ether (MTBE)	ND	116	112	3.5	110	106	3.7	70 - 130	30	
Methylene chloride	ND	79	83	4.9	85	82	3.6	70 - 130	30	
Naphthalene	ND	127	124	2.4	116	115	0.9	70 - 130	30	
n-Butylbenzene	ND	106	109	2.8	104	101	2.9	70 - 130	30	
n-Propylbenzene	ND	95	98	3.1	99	96	3.1	70 - 130	30	
o-Xylene	ND	78	80	2.5	80	77	3.8	70 - 130	30	
p-Isopropyltoluene	ND	110	115	4.4	106	104	1.9	70 - 130	30	
sec-Butylbenzene	ND	99	103	4.0	103	100	3.0	70 - 130	30	
Styrene	ND	69	71	2.9	68	67	1.5	70 - 130	30	l,m
tert-Butylbenzene	ND	106	109	2.8	108	103	4.7	70 - 130	30	
Tetrachloroethene	ND	106	111	4.6	110	106	3.7	70 - 130	30	
Tetrahydrofuran (THF)	ND	117	123	5.0	117	118	0.9	70 - 130	30	
Toluene	ND	97	102	5.0	100	94	6.2	70 - 130	30	
trans-1,2-Dichloroethene	ND	92	99	7.3	102	97	5.0	70 - 130	30	
trans-1,3-Dichloropropene	ND	96	95	1.0	94	88	6.6	70 - 130	30	
trans-1,4-dichloro-2-butene	ND	103	90	13.5	90	98	8.5	70 - 130	30	
Trichloroethene	ND	96	102	6.1	100	94	6.2	70 - 130	30	
Trichlorofluoromethane	ND	97	107	9.8	111	105	5.6	70 - 130	30	
Trichlorotrifluoroethane	ND	80	89	10.7	86	84	2.4	70 - 130	30	
Vinyl chloride	ND	86	94	8.9	110	105	4.7	70 - 130	30	
% 1,2-dichlorobenzene-d4	101	104	101	2.9	101	100	1.0	70 - 130	30	
% Bromofluorobenzene	103	118	117	0.9	117	118	0.9	70 - 130	30	
% Dibromofluoromethane	88	88	89	1.1	88	89	1.1	70 - 130	30	
% Toluene-d8	102	102	103	1.0	102	101	1.0	70 - 130	30	

Comment:

A blank MS/MSD was analyzed with this batch.

QA/QC Batch 201865, QC Sample No: BB91709 (BB91004)

Volatiles - Soil

1,1,1,2-Tetrachloroethane	ND	104	104	0.0	104	90	14.4	70 - 130	30	
1,1,1-Trichloroethane	ND	99	97	2.0	101	93	8.2	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	93	92	1.1	99	80	21.2	70 - 130	30	
1,1,2-Trichloroethane	ND	104	100	3.9	101	86	16.0	70 - 130	30	
1,1-Dichloroethane	ND	98	95	3.1	97	89	8.6	70 - 130	30	
1,1-Dichloroethene	ND	90	92	2.2	101	93	8.2	70 - 130	30	
1,1-Dichloropropene	ND	98	96	2.1	99	92	7.3	70 - 130	30	
1,2,3-Trichlorobenzene	ND	102	90	12.5	82	80	2.5	70 - 130	30	
1,2,3-Trichloropropane	ND	91	109	18.0	110	76	36.6	70 - 130	30	r
1,2,4-Trichlorobenzene	ND	92	86	6.7	81	76	6.4	70 - 130	30	

QA/QC Data

SDG I.D.: GBB90994

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
1,2,4-Trimethylbenzene	ND	96	95	1.0	84	77	8.7	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	110	107	2.8	103	89	14.6	70 - 130	30	
1,2-Dibromoethane	ND	103	100	3.0	100	86	15.1	70 - 130	30	
1,2-Dichlorobenzene	ND	93	92	1.1	94	81	14.9	70 - 130	30	
1,2-Dichloroethane	ND	100	97	3.0	99	86	14.1	70 - 130	30	
1,2-Dichloropropane	ND	101	98	3.0	99	87	12.9	70 - 130	30	
1,3,5-Trimethylbenzene	ND	95	96	1.0	97	85	13.2	70 - 130	30	
1,3-Dichlorobenzene	ND	92	92	0.0	93	81	13.8	70 - 130	30	
1,3-Dichloropropane	ND	99	99	0.0	100	84	17.4	70 - 130	30	
1,4-Dichlorobenzene	ND	90	89	1.1	92	80	14.0	70 - 130	30	
2,2-Dichloropropane	ND	96	93	3.2	93	87	6.7	70 - 130	30	
2-Chlorotoluene	ND	94	95	1.1	97	85	13.2	70 - 130	30	
2-Hexanone	ND	75	74	1.3	66	60	9.5	70 - 130	30	m
2-Isopropyltoluene	ND	99	97	2.0	96	87	9.8	70 - 130	30	
4-Chlorotoluene	ND	91	90	1.1	93	82	12.6	70 - 130	30	
4-Methyl-2-pentanone	ND	96	92	4.3	93	79	16.3	70 - 130	30	
Acetone	7.0 JS	87	85	2.3	74	69	7.0	70 - 130	30	m
Acrylonitrile	ND	102	101	1.0	97	83	15.6	70 - 130	30	
Benzene	ND	101	97	4.0	99	89	10.6	70 - 130	30	
Bromobenzene	ND	98	99	1.0	98	83	16.6	70 - 130	30	
Bromochloromethane	ND	98	97	1.0	99	83	17.6	70 - 130	30	
Bromodichloromethane	ND	102	100	2.0	101	88	13.8	70 - 130	30	
Bromoform	ND	111	111	0.0	109	91	18.0	70 - 130	30	
Bromomethane	ND	88	83	5.8	97	92	5.3	70 - 130	30	
Carbon Disulfide	ND	95	98	3.1	103	94	9.1	70 - 130	30	
Carbon tetrachloride	ND	100	101	1.0	105	94	11.1	70 - 130	30	
Chlorobenzene	ND	95	95	0.0	98	86	13.0	70 - 130	30	
Chloroethane	ND	88	94	6.6	105	93	12.1	70 - 130	30	
Chloroform	ND	99	96	3.1	97	87	10.9	70 - 130	30	
Chloromethane	ND	89	87	2.3	96	88	8.7	70 - 130	30	
cis-1,2-Dichloroethene	ND	100	96	4.1	95	87	8.8	70 - 130	30	
cis-1,3-Dichloropropene	ND	98	94	4.2	96	85	12.2	70 - 130	30	
Dibromochloromethane	ND	105	106	0.9	104	88	16.7	70 - 130	30	
Dibromomethane	ND	103	99	4.0	100	85	16.2	70 - 130	30	
Dichlorodifluoromethane	ND	83	82	1.2	98	94	4.2	70 - 130	30	
Ethylbenzene	ND	98	96	2.1	99	90	9.5	70 - 130	30	
Hexachlorobutadiene	ND	95	87	8.8	86	86	0.0	70 - 130	30	
Isopropylbenzene	ND	96	97	1.0	99	88	11.8	70 - 130	30	
m&p-Xylene	ND	96	95	1.0	91	85	6.8	70 - 130	30	
Methyl ethyl ketone	ND	83	79	4.9	75	68	9.8	70 - 130	30	m
Methyl t-butyl ether (MTBE)	ND	114	95	18.2	93	98	5.2	70 - 130	30	
Methylene chloride	1.4 JS	89	88	1.1	92	82	11.5	70 - 130	30	
Naphthalene	ND	117	91	25.0	86	92	6.7	70 - 130	30	
n-Butylbenzene	ND	92	90	2.2	89	84	5.8	70 - 130	30	
n-Propylbenzene	ND	90	90	0.0	97	87	10.9	70 - 130	30	
o-Xylene	ND	99	97	2.0	99	89	10.6	70 - 130	30	
p-Isopropyltoluene	ND	98	96	2.1	95	86	9.9	70 - 130	30	
sec-Butylbenzene	ND	93	92	1.1	97	88	9.7	70 - 130	30	
Styrene	ND	99	97	2.0	97	87	10.9	70 - 130	30	
tert-Butylbenzene	ND	96	96	0.0	99	89	10.6	70 - 130	30	
Tetrachloroethene	ND	95	97	2.1	100	92	8.3	70 - 130	30	
Tetrahydrofuran (THF)	ND	100	96	4.1	97	80	19.2	70 - 130	30	
Toluene	ND	100	97	3.0	98	90	8.5	70 - 130	30	

QA/QC Data

SDG I.D.: GBB90994

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
trans-1,2-Dichloroethene	ND	101	85	17.2	87	99	12.9	70 - 130	30	
trans-1,3-Dichloropropene	ND	100	95	5.1	98	84	15.4	70 - 130	30	
trans-1,4-dichloro-2-butene	ND	106	99	6.8	93	79	16.3	70 - 130	30	
Trichloroethene	ND	104	103	1.0	100	92	8.3	70 - 130	30	
Trichlorofluoromethane	ND	95	99	4.1	105	95	10.0	70 - 130	30	
Trichlorotrifluoroethane	ND	94	98	4.2	102	96	6.1	70 - 130	30	
Vinyl chloride	ND	94	88	6.6	97	94	3.1	70 - 130	30	
% 1,2-dichlorobenzene-d4	101	100	101	1.0	100	100	0.0	70 - 130	30	
% Bromofluorobenzene	99	100	100	0.0	100	102	2.0	70 - 130	30	
% Dibromofluoromethane	100	100	101	1.0	100	99	1.0	70 - 130	30	
% Toluene-d8	101	100	98	2.0	100	100	0.0	70 - 130	30	

QA/QC Batch 201854, QC Sample No: BB91739 (BB90999)

Volatiles - Soil

1,1,1,2-Tetrachloroethane	ND	100	99	1.0	69	79	13.5	70 - 130	30	m
1,1,1-Trichloroethane	ND	99	105	5.9	83	106	24.3	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	100	105	4.9	92	105	13.2	70 - 130	30	
1,1,2-Trichloroethane	ND	102	102	0.0	86	91	5.6	70 - 130	30	
1,1-Dichloroethane	ND	114	108	5.4	85	114	29.1	70 - 130	30	
1,1-Dichloroethene	ND	107	99	7.8	105	109	3.7	70 - 130	30	
1,1-Dichloropropene	ND	91	88	3.4	80	94	16.1	70 - 130	30	
1,2,3-Trichlorobenzene	ND	103	110	6.6	55	65	16.7	70 - 130	30	m
1,2,3-Trichloropropane	ND	114	126	10.0	104	119	13.5	70 - 130	30	
1,2,4-Trichlorobenzene	ND	98	97	1.0	59	68	14.2	70 - 130	30	m
1,2,4-Trimethylbenzene	ND	111	109	1.8	80	82	2.5	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	104	116	10.9	62	79	24.1	70 - 130	30	m
1,2-Dibromoethane	ND	100	99	1.0	68	75	9.8	70 - 130	30	m
1,2-Dichlorobenzene	ND	100	97	3.0	79	85	7.3	70 - 130	30	
1,2-Dichloroethane	ND	99	99	0.0	85	89	4.6	70 - 130	30	
1,2-Dichloropropane	ND	103	98	5.0	90	94	4.3	70 - 130	30	
1,3,5-Trimethylbenzene	ND	113	111	1.8	96	104	8.0	70 - 130	30	
1,3-Dichlorobenzene	ND	101	96	5.1	80	85	6.1	70 - 130	30	
1,3-Dichloropropane	ND	104	103	1.0	88	95	7.7	70 - 130	30	
1,4-Dichlorobenzene	ND	100	94	6.2	80	84	4.9	70 - 130	30	
2,2-Dichloropropane	ND	98	103	5.0	82	100	19.8	70 - 130	30	
2-Chlorotoluene	ND	105	99	5.9	92	98	6.3	70 - 130	30	
2-Hexanone	ND	88	96	8.7	<40	<40	NC	70 - 130	30	m
2-Isopropyltoluene	ND	113	108	4.5	98	103	5.0	70 - 130	30	
4-Chlorotoluene	ND	106	99	6.8	91	96	5.3	70 - 130	30	
4-Methyl-2-pentanone	ND	92	99	7.3	65	75	14.3	70 - 130	30	m
Acetone	ND	95	106	10.9	<40	<40	NC	70 - 130	30	m
Acrylonitrile	ND	104	113	8.3	48	75	43.9	70 - 130	30	m,r
Benzene	ND	105	101	3.9	91	91	0.0	70 - 130	30	
Bromobenzene	ND	111	105	5.6	91	92	1.1	70 - 130	30	
Bromochloromethane	ND	85	113	28.3	65	100	42.4	70 - 130	30	m,r
Bromodichloromethane	ND	102	98	4.0	68	73	7.1	70 - 130	30	m
Bromoform	ND	>150	>150	NC	71	91	24.7	70 - 130	30	l
Bromomethane	ND	116	102	12.8	113	99	13.2	70 - 130	30	
Carbon Disulfide	ND	106	99	6.8	83	86	3.6	70 - 130	30	
Carbon tetrachloride	ND	98	103	5.0	78	97	21.7	70 - 130	30	
Chlorobenzene	ND	103	98	5.0	88	91	3.4	70 - 130	30	
Chloroethane	ND	114	98	15.1	111	110	0.9	70 - 130	30	
Chloroform	ND	96	108	11.8	82	110	29.2	70 - 130	30	

QA/QC Data

SDG I.D.: GBB90994

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Chloromethane	ND	102	100	2.0	82	85	3.6	70 - 130	30	
cis-1,2-Dichloroethene	ND	92	114	21.4	75	113	40.4	70 - 130	30	r
cis-1,3-Dichloropropene	ND	99	96	3.1	66	72	8.7	70 - 130	30	m
Dibromochloromethane	ND	105	103	1.9	59	71	18.5	70 - 130	30	m
Dibromomethane	ND	100	97	3.0	70	76	8.2	70 - 130	30	
Dichlorodifluoromethane	ND	122	107	13.1	91	81	11.6	70 - 130	30	
Ethylbenzene	ND	106	98	7.8	91	92	1.1	70 - 130	30	
Hexachlorobutadiene	ND	105	102	2.9	72	75	4.1	70 - 130	30	
Isopropylbenzene	ND	121	115	5.1	112	115	2.6	70 - 130	30	
m&p-Xylene	ND	111	103	7.5	88	89	1.1	70 - 130	30	
Methyl ethyl ketone	ND	81	99	20.0	<40	46	NC	70 - 130	30	m
Methyl t-butyl ether (MTBE)	ND	103	104	1.0	95	100	5.1	70 - 130	30	
Methylene chloride	ND	100	95	5.1	100	102	2.0	70 - 130	30	
Naphthalene	ND	112	126	11.8	57	71	21.9	70 - 130	30	m
n-Butylbenzene	ND	110	102	7.5	91	91	0.0	70 - 130	30	
n-Propylbenzene	ND	107	101	5.8	100	97	3.0	70 - 130	30	
o-Xylene	ND	104	100	3.9	89	91	2.2	70 - 130	30	
p-Isopropyltoluene	ND	112	107	4.6	99	101	2.0	70 - 130	30	
sec-Butylbenzene	ND	113	106	6.4	102	103	1.0	70 - 130	30	
Styrene	ND	134	124	7.8	97	100	3.0	70 - 130	30	l
tert-Butylbenzene	ND	109	101	7.6	102	104	1.9	70 - 130	30	
Tetrachloroethene	ND	104	99	4.9	88	97	9.7	70 - 130	30	
Tetrahydrofuran (THF)	ND	86	104	18.9	75	101	29.5	70 - 130	30	
Toluene	ND	104	99	4.9	91	90	1.1	70 - 130	30	
trans-1,2-Dichloroethene	ND	106	101	4.8	96	101	5.1	70 - 130	30	
trans-1,3-Dichloropropene	ND	101	99	2.0	63	70	10.5	70 - 130	30	m
trans-1,4-dichloro-2-butene	ND	106	111	4.6	56	68	19.4	70 - 130	30	m
Trichloroethene	ND	105	101	3.9	83	87	4.7	70 - 130	30	
Trichlorofluoromethane	ND	116	106	9.0	103	104	1.0	70 - 130	30	
Trichlorotrifluoroethane	ND	109	101	7.6	103	101	2.0	70 - 130	30	
Vinyl chloride	ND	112	103	8.4	98	100	2.0	70 - 130	30	
% 1,2-dichlorobenzene-d4	99	97	100	3.0	97	101	4.0	70 - 130	30	
% Bromofluorobenzene	93	94	91	3.2	85	88	3.5	70 - 130	30	
% Dibromofluoromethane	119	83	119	35.6	82	129	44.5	70 - 130	30	r
% Toluene-d8	97	100	98	2.0	101	97	4.0	70 - 130	30	

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 06, 2012

Sample Criteria Exceedences Report

GBB90994

Requested Criteria: 375RS

State: NY

SampNo	LocCode	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.

rec'd w/ coolant Blue Ice

NY/NJ CHAIN OF CUSTODY RECORD

Temp 4° Pg 1 of 2

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

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

Customer: 734 West Whitewood, Ste 402A
Address: Melville, NY 11747
Gallt Engineering

Project: 333 West 35th Street, Manh
Report to: Scott Davidow
Invoice to: Richard Gall

Project P.O:
Phone #: 631-271-9292
Fax #: 631-271-9345

Client Sample - Information - Identification

Sampler's Signature: [signature] Date: 5/24

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 8260	SVOC 8270	TAL metals	8081/8082	Soil VOA [ ] Methanol [ ] S. Bisulfate [ ] H2O	GL Soil container (2) oz	GL Soil container (3) oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ] 1250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
90994	SB-1	S	5/24		X	X	X	X					1	1				
90995	SB-1S				X	X	X	X										
90996	SB-1D				X	X	X	X										
90997	SB-2				X	X	X	X										
90998	SB-2S				X	X	X	X										
	~~SB-3~~				~~X~~	~~X~~	~~X~~	~~X~~										
	~~SB-3S~~				~~X~~	~~X~~	~~X~~	~~X~~										
90999	SB-4				X	X	X	X										
91000	SB-4S				X	X	X	X										
91001	SB-5				X	X	X	X										
91002	SB-5S				X	X	X	X										
91003	SB-6				X	X	X	X										

Relinquished by:	Accepted by:	Date:	Time:
[signature]	[signature]	5-24-12	11:05
[signature]	[signature]	5-24-12	1739

Comments, Special Requirements or Regulations:

no SB-3 or SB-3S

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

Need w/coolant Blue Ice

Temp 4° Pg 2 of 2

PHOENIX Environmental Laboratories, Inc.

NY/NJ CHAIN OF CUSTODY RECORD

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

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

Customer: Galli Engineering
Address: 734 walt whitman Rd (Route A
Melville, NY 11747

Project: 333 west 38th Street, NY'N
Report to: Scott Davidson
Invoice to: Richard Galli

Project P.O:
Phone #: 631-271-9282
Fax #: 631-271-9245

Client Sample - Information - Identification

Sampler's Signature: [signature] Date: 5/24

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 8260	SVOC 8270	TAL metals total	TAL metals dissolved	Soil TPH 8015	Soil VOA [1] Methanol [1] S. Bisulfate [1] H2O	GL Soil container (2) oz	GL Soil container (8) oz	40 ml VOA Vial [ ] As is [1] HCl	GL Amber 1000ml [1] As is [ ] H2SO4	PL As is [1] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [1] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
91004	SB-65	S	5/24		X	X	X		X				1	1					
91005	GW-1	GW	5/24		X	X	X	X	X						5	3	1		1
	~~GW-1D~~	~~GW~~	~~5/24~~		~~X~~	~~X~~	~~X~~	~~X~~	~~X~~						~~5~~	~~3~~	~~1~~		~~1~~
91006	GW-2	GW	5/24		X	X	X	X	X						5	3	1		1
	~~GW-3~~	~~GW~~	~~5/24~~		~~X~~	~~X~~	~~X~~	~~X~~	~~X~~						~~5~~	~~3~~	~~1~~		~~1~~
91007	GW-FB	GW	5/24		X	X	X	X	X						3	3	1		1

Relinquished by:	Accepted by:	Date:	Time:
[signature]	[signature]	5-29-12	1135
[signature]	Anna Arnold	5-29-12	1739

Comments, Special Requirements or Regulations:

no GW-1D or GW-3

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

APPENDIX C

Soil Vapor Analytical Report

H2M labs
575 Broad Hollow Melville, NY 11747
TEL: 631-694-3040 FAX: 631-420-8436 NYSDOH ID#10478

LABORATORY RESULTS

Results for the samples and analytes requested

AARCO
50 Gear Avenue
Lindenhurst, NY 11757
Attn To : Steve Plofker

Lab No. : 1205B11-001
Client Sample ID: SSV-1

Sample Information...
Type : Air
Origin:

Collected : 5/25/2012 12:30:00 PM
Received : 5/25/2012 5:00:00 PM
333 W.38th Street NY
Collected By: CLIENT

Method: D1946

Parameter(s)	Result	Units	Qualifier	D.F.	Result	Units	Date Analyzed
Helium	0.26	%	D	6	No M.W. Data		06/07/2012 1:55 PM

Method: ETO-15

Parameter(s)	Result	Units	Qualifier	D.F.	Result	Units	Date Analyzed
1,1,1-Trichloroethane	0.390	ppbv		1	2.13	µg/m³	05/30/2012 2:35 AM
1,1,2,2-Tetrachloroethane	< 0.200	ppbv		1	< 1.37	µg/m³	05/30/2012 2:35 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	< 0.200	ppbv		1	< 1.53	µg/m³	05/30/2012 2:35 AM
1,1,2-Trichloroethane	< 0.200	ppbv		1	< 1.09	µg/m³	05/30/2012 2:35 AM
1,1-Dichloroethane	< 0.200	ppbv		1	< 0.809	µg/m³	05/30/2012 2:35 AM
1,1-Dichloroethene	< 0.200	ppbv		1	< 0.793	µg/m³	05/30/2012 2:35 AM
1,2,4-Trichlorobenzene	< 0.200	ppbv		1	< 1.48	µg/m³	05/30/2012 2:35 AM
1,2,4-Trimethylbenzene	12.9	ppbv		1	63.4	µg/m³	05/30/2012 2:35 AM
1,2-Dibromoethane	< 0.200	ppbv		1	< 1.54	µg/m³	05/30/2012 2:35 AM
1,2-Dichlorobenzene	< 0.200	ppbv		1	< 1.20	µg/m³	05/30/2012 2:35 AM
1,2-Dichloroethane	< 0.200	ppbv		1	< 0.809	µg/m³	05/30/2012 2:35 AM
1,2-Dichloroethene (cis)	< 0.200	ppbv		1	< 0.793	µg/m³	05/30/2012 2:35 AM
1,2-Dichloroethene (trans)	< 0.200	ppbv		1	< 0.793	µg/m³	05/30/2012 2:35 AM
1,2-Dichloropropane	< 0.200	ppbv		1	< 0.924	µg/m³	05/30/2012 2:35 AM
1,2-Dichlorotetrafluoroethane	< 0.200	ppbv		1	< 1.40	µg/m³	05/30/2012 2:35 AM
1,3,5-Trimethylbenzene	4.30	ppbv		1	21.1	µg/m³	05/30/2012 2:35 AM
1,3-Dichlorobenzene	< 0.200	ppbv		1	< 1.20	µg/m³	05/30/2012 2:35 AM
1,3-Dichloropropene (cis)	< 0.200	ppbv		1	< 0.908	µg/m³	05/30/2012 2:35 AM
1,3-Dichloropropene (trans)	< 0.200	ppbv		1	< 0.908	µg/m³	05/30/2012 2:35 AM
1,3-Hexachlorobutadiene	< 0.200	ppbv		1	< 2.13	µg/m³	05/30/2012 2:35 AM
1,4-Dichlorobenzene	< 0.200	ppbv		1	< 1.20	µg/m³	05/30/2012 2:35 AM
Acetone	44.7	ppbv	D	2	106	µg/m³	05/30/2012 5:39 PM
Benzene	7.62	ppbv		1	24.3	µg/m³	05/30/2012 2:35 AM
Bromodichloromethane	< 0.200	ppbv		1	< 1.34	µg/m³	05/30/2012 2:35 AM
Bromoform	< 0.200	ppbv		1	< 2.07	µg/m³	05/30/2012 2:35 AM
Bromomethane	< 0.200	ppbv		1	< 0.777	µg/m³	05/30/2012 2:35 AM
Carbon disulfide	7.66	ppbv		1	23.9	µg/m³	05/30/2012 2:35 AM
Carbon tetrachloride	< 0.040	ppbv		1	< 0.252	µg/m³	05/30/2012 2:35 AM
Chlorobenzene	< 0.200	ppbv		1	< 0.921	µg/m³	05/30/2012 2:35 AM
Chloroethane	< 0.200	ppbv		1	< 0.528	µg/m³	05/30/2012 2:35 AM
Chloroform	2.42	ppbv		1	11.8	µg/m³	05/30/2012 2:35 AM
Chloromethane	0.510	ppbv		1	1.05	µg/m³	05/30/2012 2:35 AM
Dibromochloromethane	< 0.200	ppbv		1	< 1.70	µg/m³	05/30/2012 2:35 AM
Dichlorodifluoromethane	0.350	ppbv		1	1.73	µg/m³	05/30/2012 2:35 AM

Qualifiers: E = Value above quantitation range
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = ELAP / NELAC does not offer certification for this analyte
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit below calibration range
J = Estimated value - below calibration range
s = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Joann M. Slavin
Laboratory Manager

Date Reported : 6/7/2012

H2M labs
575 Broad Hollow Melville, NY 11747
TEL: 631-694-3040 FAX: 631-420-8436 NYSDOH ID#10478

LABORATORY RESULTS

Results for the samples and analytes requested

AARCO
50 Gear Avenue
Lindenhurst, NY 11757
Attn To : Steve Plofker

Lab No. : 1205B11-001
Client Sample ID: SSV-1

Sample Information...
Type : Air
Origin:

Collected : 5/25/2012 12:30:00 PM
Received : 5/25/2012 5:00:00 PM
333 W.38th Street NY
Collected By: CLIENT

Method: ETO-15

Parameter(s)	Result	Units	Qualifier	D.F.	Result	Units	Date Analyzed
Ethylbenzene	12.4	ppbv		1	53.9	µg/m³	05/30/2012 2:35 AM
Methyl butyl ketone	< 0.200	ppbv		1	< 0.819	µg/m³	05/30/2012 2:35 AM
Methyl ethyl ketone	11.0	ppbv		1	32.4	µg/m³	05/30/2012 2:35 AM
Methyl isobutyl ketone	0.660	ppbv		1	2.70	µg/m³	05/30/2012 2:35 AM
Methyl tert-butyl ether	< 0.200	ppbv		1	< 0.721	µg/m³	05/30/2012 2:35 AM
Methylene chloride	0.280	ppbv		1	1.09	µg/m³	05/30/2012 2:35 AM
Styrene	0.340	ppbv		1	1.45	µg/m³	05/30/2012 2:35 AM
Tetrachloroethene	< 0.200	ppbv		1	< 1.36	µg/m³	05/30/2012 2:35 AM
Toluene	41.7	ppbv	D	2	157	µg/m³	05/30/2012 5:39 PM
Trichloroethene	< 0.040	ppbv		1	< 0.215	µg/m³	05/30/2012 2:35 AM
Trichlorofluoromethane	0.210	ppbv		1	1.18	µg/m³	05/30/2012 2:35 AM
Vinyl acetate	< 0.200	ppbv		1	< 0.704	µg/m³	05/30/2012 2:35 AM
Vinyl chloride	< 0.090	ppbv		1	< 0.230	µg/m³	05/30/2012 2:35 AM
Xylenes (m&p)	42.6	ppbv		1	185	µg/m³	05/30/2012 2:35 AM
Xylenes (o)	17.2	ppbv		1	74.5	µg/m³	05/30/2012 2:35 AM
Surr: 4-Bromofluorobenzene	108	%REC	Limit	70-130	No M.W. Data		05/30/2012 2:35 AM

Qualifiers: E = Value above quantitation range
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = ELAP / NELAC does not offer certification for this analyte
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit below calibration range
J = Estimated value - below calibration range
s = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Joann M. Slavin
Laboratory Manager

Date Reported : 6/7/2012

H2M labs
575 Broad Hollow Melville, NY 11747
TEL: 631-694-3040 FAX: 631-420-8436 NYSDOH ID#10478

LABORATORY RESULTS

Results for the samples and analytes requested

AARCO
50 Gear Avenue
Lindenhurst, NY 11757
Attn To : Steve Plofker

Lab No. : 1205B11-002
Client Sample ID: SSV-2

Sample Information...
Type : Air
Origin:

Collected : 5/25/2012 1:45:00 PM
Received : 5/25/2012 5:00:00 PM
333 W.38th Street NY
Collected By: CLIENT

Method: D1946

Parameter(s)	Result	Units	Qualifier	D.F.	Result	Units	Date Analyzed
Helium	0.21	%	D	3	No M.W. Data		06/07/2012 1:57 PM

Method: ETO-15

Parameter(s)	Result	Units	Qualifier	D.F.	Result	Units	Date Analyzed
1,1,1-Trichloroethane	0.210	ppbv		1	1.15	µg/m³	05/30/2012 3:17 AM
1,1,2,2-Tetrachloroethane	< 0.200	ppbv		1	< 1.37	µg/m³	05/30/2012 3:17 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	< 0.200	ppbv		1	< 1.53	µg/m³	05/30/2012 3:17 AM
1,1,2-Trichloroethane	< 0.200	ppbv		1	< 1.09	µg/m³	05/30/2012 3:17 AM
1,1-Dichloroethane	< 0.200	ppbv		1	< 0.809	µg/m³	05/30/2012 3:17 AM
1,1-Dichloroethene	< 0.200	ppbv		1	< 0.793	µg/m³	05/30/2012 3:17 AM
1,2,4-Trichlorobenzene	< 0.200	ppbv		1	< 1.48	µg/m³	05/30/2012 3:17 AM
1,2,4-Trimethylbenzene	16.7	ppbv		1	82.1	µg/m³	05/30/2012 3:17 AM
1,2-Dibromoethane	< 0.200	ppbv		1	< 1.54	µg/m³	05/30/2012 3:17 AM
1,2-Dichlorobenzene	< 0.200	ppbv		1	< 1.20	µg/m³	05/30/2012 3:17 AM
1,2-Dichloroethane	< 0.200	ppbv		1	< 0.809	µg/m³	05/30/2012 3:17 AM
1,2-Dichloroethene (cis)	1.28	ppbv		1	5.07	µg/m³	05/30/2012 3:17 AM
1,2-Dichloroethene (trans)	0.360	ppbv		1	1.43	µg/m³	05/30/2012 3:17 AM
1,2-Dichloropropane	< 0.200	ppbv		1	< 0.924	µg/m³	05/30/2012 3:17 AM
1,2-Dichlorotetrafluoroethane	< 0.200	ppbv		1	< 1.40	µg/m³	05/30/2012 3:17 AM
1,3,5-Trimethylbenzene	4.76	ppbv		1	23.4	µg/m³	05/30/2012 3:17 AM
1,3-Dichlorobenzene	< 0.200	ppbv		1	< 1.20	µg/m³	05/30/2012 3:17 AM
1,3-Dichloropropene (cis)	< 0.200	ppbv		1	< 0.908	µg/m³	05/30/2012 3:17 AM
1,3-Dichloropropene (trans)	< 0.200	ppbv		1	< 0.908	µg/m³	05/30/2012 3:17 AM
1,3-Hexachlorobutadiene	< 0.200	ppbv		1	< 2.13	µg/m³	05/30/2012 3:17 AM
1,4-Dichlorobenzene	< 0.200	ppbv		1	< 1.20	µg/m³	05/30/2012 3:17 AM
Acetone	121	ppbv	D	5	287	µg/m³	05/30/2012 4:14 PM
Benzene	5.07	ppbv		1	16.2	µg/m³	05/30/2012 3:17 AM
Bromodichloromethane	< 0.200	ppbv		1	< 1.34	µg/m³	05/30/2012 3:17 AM
Bromoform	< 0.200	ppbv		1	< 2.07	µg/m³	05/30/2012 3:17 AM
Bromomethane	< 0.200	ppbv		1	< 0.777	µg/m³	05/30/2012 3:17 AM
Carbon disulfide	1.93	ppbv		1	6.01	µg/m³	05/30/2012 3:17 AM
Carbon tetrachloride	< 0.040	ppbv		1	< 0.252	µg/m³	05/30/2012 3:17 AM
Chlorobenzene	< 0.200	ppbv		1	< 0.921	µg/m³	05/30/2012 3:17 AM
Chloroethane	< 0.200	ppbv		1	< 0.528	µg/m³	05/30/2012 3:17 AM
Chloroform	5.88	ppbv		1	28.7	µg/m³	05/30/2012 3:17 AM
Chloromethane	0.250	ppbv		1	0.516	µg/m³	05/30/2012 3:17 AM
Dibromochloromethane	< 0.200	ppbv		1	< 1.70	µg/m³	05/30/2012 3:17 AM
Dichlorodifluoromethane	0.200	ppbv		1	0.989	µg/m³	05/30/2012 3:17 AM

Qualifiers: E = Value above quantitation range
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = ELAP / NELAC does not offer certification for this analyte
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit below calibration range
J = Estimated value - below calibration range
s = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Joann M. Slavin
Laboratory Manager

Date Reported : 6/7/2012

H2M labs
575 Broad Hollow Melville, NY 11747
TEL: 631-694-3040 FAX: 631-420-8436 NYSDOH ID#10478

LABORATORY RESULTS

Results for the samples and analytes requested

AARCO
50 Gear Avenue
Lindenhurst, NY 11757
Attn To : Steve Plofker

Lab No. : 1205B11-002
Client Sample ID: SSV-2

Sample Information...
Type : Air
Origin:

Collected : 5/25/2012 1:45:00 PM
Received : 5/25/2012 5:00:00 PM
333 W.38th Street NY
Collected By: CLIENT

Method: ETO-15

Parameter(s)	Result	Units	Qualifier	D.F.	Result	Units	Date Analyzed
Ethylbenzene	10.9	ppbv		1	47.3	µg/m³	05/30/2012 3:17 AM
Methyl butyl ketone	3.43	ppbv		1	14.1	µg/m³	05/30/2012 3:17 AM
Methyl ethyl ketone	18.5	ppbv		1	54.5	µg/m³	05/30/2012 3:17 AM
Methyl isobutyl ketone	1.08	ppbv		1	4.43	µg/m³	05/30/2012 3:17 AM
Methyl tert-butyl ether	< 0.200	ppbv		1	< 0.721	µg/m³	05/30/2012 3:17 AM
Methylene chloride	0.360	ppbv		1	1.40	µg/m³	05/30/2012 3:17 AM
Styrene	0.300	ppbv		1	1.28	µg/m³	05/30/2012 3:17 AM
Tetrachloroethene	0.910	ppbv		1	6.17	µg/m³	05/30/2012 3:17 AM
Toluene	33.8	ppbv		1	127	µg/m³	05/30/2012 3:17 AM
Trichloroethene	1.29	ppbv		1	6.93	µg/m³	05/30/2012 3:17 AM
Trichlorofluoromethane	0.230	ppbv		1	1.29	µg/m³	05/30/2012 3:17 AM
Vinyl acetate	< 0.200	ppbv		1	< 0.704	µg/m³	05/30/2012 3:17 AM
Vinyl chloride	0.230	ppbv		1	0.588	µg/m³	05/30/2012 3:17 AM
Xylenes (m&p)	37.3	ppbv		1	162	µg/m³	05/30/2012 3:17 AM
Xylenes (o)	14.3	ppbv		1	62.1	µg/m³	05/30/2012 3:17 AM
Surr: 4-Bromofluorobenzene	113	%REC	Limit	70-130	No M.W. Data		05/30/2012 3:17 AM

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Joann M. Slavin
Laboratory Manager

Date Reported : 6/7/2012

H 2 M labs
575 Broad Hollow Melville, NY 11747
TEL: 631-694-3040 FAX: 631-420-8436 NYSDOH ID#10478

LABORATORY RESULTS

Results for the samples and analytes requested

AARCO
50 Gear Avenue
Lindenhurst, NY 11757
Attn To : Steve Plofker

Lab No. : 1205B11-003
Client Sample ID: SSV-3

Sample Information...
Type : Air
Origin:

Collected : 5/25/2012 1:40:00 PM
Received : 5/25/2012 5:00:00 PM
333 W.38th Street NY
Collected By: CLIENT

Method: D1946

Parameter(s)	Result	Units	Qualifier	D.F.	Result	Units	Date Analyzed
Helium	< 0.010	%		1	No M.W. Data		06/07/2012 2:03 PM

Method: ETO-15

Parameter(s)	Result	Units	Qualifier	D.F.	Result	Units	Date Analyzed
1,1,1-Trichloroethane	< 0.200	ppbv		1	< 1.09	µg/m³	05/30/2012 3:59 AM
1,1,2,2-Tetrachloroethane	< 0.200	ppbv		1	< 1.37	µg/m³	05/30/2012 3:59 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	< 0.200	ppbv		1	< 1.53	µg/m³	05/30/2012 3:59 AM
1,1,2-Trichloroethane	< 0.200	ppbv		1	< 1.09	µg/m³	05/30/2012 3:59 AM
1,1-Dichloroethane	< 0.200	ppbv		1	< 0.809	µg/m³	05/30/2012 3:59 AM
1,1-Dichloroethene	< 0.200	ppbv		1	< 0.793	µg/m³	05/30/2012 3:59 AM
1,2,4-Trichlorobenzene	< 0.200	ppbv		1	< 1.48	µg/m³	05/30/2012 3:59 AM
1,2,4-Trimethylbenzene	16.3	ppbv		1	80.3	µg/m³	05/30/2012 3:59 AM
1,2-Dibromoethane	< 0.200	ppbv		1	< 1.54	µg/m³	05/30/2012 3:59 AM
1,2-Dichlorobenzene	< 0.200	ppbv		1	< 1.20	µg/m³	05/30/2012 3:59 AM
1,2-Dichloroethane	< 0.200	ppbv		1	< 0.809	µg/m³	05/30/2012 3:59 AM
1,2-Dichloroethene (cis)	2.08	ppbv		1	8.25	µg/m³	05/30/2012 3:59 AM
1,2-Dichloroethene (trans)	0.480	ppbv		1	1.90	µg/m³	05/30/2012 3:59 AM
1,2-Dichloropropane	< 0.200	ppbv		1	< 0.924	µg/m³	05/30/2012 3:59 AM
1,2-Dichlorotetrafluoroethane	< 0.200	ppbv		1	< 1.40	µg/m³	05/30/2012 3:59 AM
1,3,5-Trimethylbenzene	5.15	ppbv		1	25.3	µg/m³	05/30/2012 3:59 AM
1,3-Dichlorobenzene	< 0.200	ppbv		1	< 1.20	µg/m³	05/30/2012 3:59 AM
1,3-Dichloropropene (cis)	< 0.200	ppbv		1	< 0.908	µg/m³	05/30/2012 3:59 AM
1,3-Dichloropropene (trans)	< 0.200	ppbv		1	< 0.908	µg/m³	05/30/2012 3:59 AM
1,3-Hexachlorobutadiene	< 0.200	ppbv		1	< 2.13	µg/m³	05/30/2012 3:59 AM
1,4-Dichlorobenzene	< 0.200	ppbv		1	< 1.20	µg/m³	05/30/2012 3:59 AM
Acetone	53.4	ppbv	D	2	127	µg/m³	05/30/2012 4:57 PM
Benzene	3.44	ppbv		1	11.0	µg/m³	05/30/2012 3:59 AM
Bromodichloromethane	< 0.200	ppbv		1	< 1.34	µg/m³	05/30/2012 3:59 AM
Bromoform	< 0.200	ppbv		1	< 2.07	µg/m³	05/30/2012 3:59 AM
Bromomethane	< 0.200	ppbv		1	< 0.777	µg/m³	05/30/2012 3:59 AM
Carbon disulfide	1.78	ppbv		1	5.54	µg/m³	05/30/2012 3:59 AM
Carbon tetrachloride	< 0.040	ppbv		1	< 0.252	µg/m³	05/30/2012 3:59 AM
Chlorobenzene	< 0.200	ppbv		1	< 0.921	µg/m³	05/30/2012 3:59 AM
Chloroethane	< 0.200	ppbv		1	< 0.528	µg/m³	05/30/2012 3:59 AM
Chloroform	6.47	ppbv		1	31.6	µg/m³	05/30/2012 3:59 AM
Chloromethane	< 0.200	ppbv		1	< 0.413	µg/m³	05/30/2012 3:59 AM
Dibromochloromethane	< 0.200	ppbv		1	< 1.70	µg/m³	05/30/2012 3:59 AM
Dichlorodifluoromethane	< 0.200	ppbv		1	< 0.989	µg/m³	05/30/2012 3:59 AM

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Joann M. Slavin
Laboratory Manager

Date Reported : 6/7/2012

H 2 M labs
575 Broad Hollow Melville, NY 11747
TEL: 631-694-3040 FAX: 631-420-8436 NYSDOH ID#10478

LABORATORY RESULTS

Results for the samples and analytes requested

AARCO
50 Gear Avenue
Lindenhurst, NY 11757
Attn To : Steve Plofker

Lab No. : 1205B11-003
Client Sample ID: SSV-3

Sample Information...
Type : Air
Origin:

Collected : 5/25/2012 1:40:00 PM
Received : 5/25/2012 5:00:00 PM
Collected By: CLIENT

333 W.38th Street NY

Method: ETO-15

Parameter(s)	Result	Units	Qualifier	D.F.	Result	Units	Date Analyzed
Ethylbenzene	11.6	ppbv		1	50.2	µg/m³	05/30/2012 3:59 AM
Methyl butyl ketone	5.20	ppbv		1	21.3	µg/m³	05/30/2012 3:59 AM
Methyl ethyl ketone	12.5	ppbv		1	36.7	µg/m³	05/30/2012 3:59 AM
Methyl isobutyl ketone	6.35	ppbv		1	26.0	µg/m³	05/30/2012 3:59 AM
Methyl tert-butyl ether	< 0.200	ppbv		1	< 0.721	µg/m³	05/30/2012 3:59 AM
Methylene chloride	0.360	ppbv		1	1.40	µg/m³	05/30/2012 3:59 AM
Styrene	0.260	ppbv		1	1.11	µg/m³	05/30/2012 3:59 AM
Tetrachloroethene	5.53	ppbv		1	37.5	µg/m³	05/30/2012 3:59 AM
Toluene	33.2	ppbv		1	125	µg/m³	05/30/2012 3:59 AM
Trichloroethene	3.72	ppbv		1	20.0	µg/m³	05/30/2012 3:59 AM
Trichlorofluoromethane	0.250	ppbv		1	1.40	µg/m³	05/30/2012 3:59 AM
Vinyl acetate	< 0.200	ppbv		1	< 0.704	µg/m³	05/30/2012 3:59 AM
Vinyl chloride	< 0.090	ppbv		1	< 0.230	µg/m³	05/30/2012 3:59 AM
Xylenes (m&p)	41.3	ppbv		1	179	µg/m³	05/30/2012 3:59 AM
Xylenes (o)	17.5	ppbv		1	76.0	µg/m³	05/30/2012 3:59 AM
Surr: 4-Bromofluorobenzene	104	%REC	Limit	70-130	No M.W. Data		05/30/2012 3:59 AM

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Joann M. Slavin
Laboratory Manager

Date Reported : 6/7/2012

H2M labs

H2M LABS INC
575 Broad Hollow Road
Melville, NY 11747
TEL: 631-694-3040 FAX: 631-420-8436
Website: www.h2mlabs.com

Sample Receipt Checklist

Client Name **AAR**

Date and Time Received: **5/25/2012 5:00:00 PM**

Work Order Number: **1205B11** RcptNo: **1**

Received by **Linda Siciliano**

Completed by:

Reviewed by:

Completed Date: 5/25/2012 5:01:50 PM

Reviewed Date: 5/30/2012 5:58:54 PM

Carrier name: Client

Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☐	No ☐	
Are matrices correctly identified on Chain of custody?	Yes ☑	No ☐	
Is it clear what analyses were requested?	Yes ☑	No ☐	
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Samples in proper container/bottle?	Yes ☑	No ☐	
Were correct preservatives used and noted?	Yes ☑	No ☐	
Preservative added to bottles:			
Sample Condition?	Intact ☑	Broken ☐	Leaking ☐
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
Were container labels complete (ID, Pres, Date)?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Was an attempt made to cool the samples?	Yes ☑	No ☐	
All samples received at a temp. of > 0° C to 6.0° C?	Yes ☐	No ☑	
Response when temperature is outside of range:	Not required		
Sample Temp. taken and recorded upon receipt?	Yes ☐	No ☑	To °
Water - Were bubbles absent in VOC vials?	Yes ☐	No ☐	No Vials ☑
Water - Was there Chlorine Present?	Yes ☐	No ☐	NA ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	No Water ☑
Are Samples considered acceptable?	Yes ☑	No ☐	
Custody Seals present?	Yes ☐	No ☑	
Airbill or Sticker?	Air Bil ☐	Sticker ☐	Not Present ☑
Airbill No:			

Case Number: SDG: SAS:

Any No response should be detailed in the comments section below, if applicable.

Client Contacted? ☐ Yes ☑ No Person Contacted:

Contact Mode: ☐ Phone: ☐ Fax: ☐ Email: ☐ In Person:

Client Instructions:

Date Contacted: Contacted By:

Regarding:

Comments:

CorrectiveAction: