



BCP Application Supplemental Investigation

July 3, 2014

For Work At:

New York, New Haven & Hartford Railroad Coal Freight Depot
MTA Easement Site
North Avenue
Larchmont, NY 10538

Tax Map No.: 6-602-453

Prepared for:

WB Pinebrook Associates, LLC
570 Taxter Road
Elmsford, NY 10523

Prepared by:

Galli Engineering, P.C.
35 Pinelawn Road, Ste 209E
Melville, NY 11747

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1.0 INTRODUCTION

Galli Engineering, P.C. has prepared this Supplemental Investigation Report with the purpose of assessing the soil and groundwater contamination on the former New York, New Haven & Hartford Railroad Coal Freight Depot / MTA Easement Site on behalf of WB Pinebrook Associates, LLC.

1.1 Purpose

The Sampling Workplan was submitted to the New York State Department of Environmental Conservation (NYSDEC) on May 22, 2014. The workplan was approved by NYSDEC on May 27, 2014 and sampling occurred on June 9, 2014.

Presented herein are the results of the sampling and analyses performed by Galli Engineering, P.C.

1.2 Background

The site is currently being utilized as an emergency access right-of-way for the properties located along North Avenue. Historical usage includes commercial coal supply and rail freight storage. No buildings are located on the site, and only concrete, asphalt pavement, and the remnants of a railway spur currently exist on the site. The site was recently acquired by the developers, WB Pinebrook Associates, LLC.

Several environmental investigations have been performed on the southeastern portion of the site. These investigations have been well documented and are described in more detail in the workplan for this investigation.

There are two open NYSDEC Spill numbers on this parcel. Spill #1006787 occurred on September 23, 2010 from a release of petroleum constituents to soil and groundwater. Numerous investigations have been performed on the Site in relation to the spill area located in

the northeastern portion of the Site. While some of the spill area was remediated, NYSDEC Spill #1006787 was reopened after technical review, post remediation, when it was determined by the Volunteer's consultant that fill from the Site used to fill the excavation was contaminated with semi-volatile organic compounds (SVOCs), chromium, barium, and petroleum in confirmatory samples in excess of CP-51 Soil Cleanup Objectives (SCOs), necessitating another remediation.

Spill # 1202766 occurred on June 20, 2012 from a release of petroleum constituents to soil and groundwater. The Site has been assigned a petroleum spill number as a result of free phase petroleum discovered on the Site in June, 2012. See April 2013 HES Subsurface Investigation and Remedial Action Work Plan and October 2013 Galli Surface Soil Investigation Letter report.

1.3 Scope of Work

The scope of work developed for this Limited Phase II ESA is as follows:

- Advanced five soil borings to 10' below grade using a *Geoprobe*;
- Field screening of soil samples collected from the five soil borings using a photo ionization detector (PID);
- Soil samples taken from WC-1, WC-2 and WC-5 were submitted to a NYS ELAP certified laboratory for the analysis of: total metals, hexavalent chromium, PCBs, pesticides, herbicides, VOCs, and SVOCs.
- Soil samples taken from WC-3 and WC-4 were submitted to a NYS ELAP Certified laboratory for the analysis of total metals, hexavalent chromium, PCBs, pesticides, herbicides, VOCs, SVOCs, full TCLP, and RIC.
- One ten-foot, one-inch schedule-40 PVC temporary monitoring well was installed at the location of WC-3. This well was designated MW-1.
- The well set for seven days, and was gauged for depth to water and no free-phase petroleum was detected.
- The well was purged to remove excess sediment or debris.
- One groundwater sample was collected from the well and submitted to a NYS ELAP Certified laboratory for the analysis of total metals, hexavalent chromium, PCBs, pesticides, herbicides, VOCs, and SVOCs.

- Prepared a Limited Phase II ESA report describing environmental conditions, field activities, evaluation of findings, and recommendations.

This assessment is limited to the scope of work described above, and to the depths and locations tested as part of this assessment.

2.0 SITE ASSESSMENT METHODOLOGY

The fieldwork was conducted on June 9, 2014 by Ms. Victoria Frank, Chemical Engineer at Galli Engineering. This work was conducted in accordance with industry practice as defined in the ASTM Standard: Guide for Environmental Site Assessments: Phase II Environmental Site Assessment Process (E 1903-97). Galli Engineering contracted Laurel Environmental to advance soil borings at the subject property using a *Geoprobe* direct push hydraulic driven probe for soil sample collection.

2.1 Soil Sampling

A total of five soil borings were performed at the subject property and were designated WC-1 through WC-5. The soil borings were advanced using a track mounted *Geoprobe* unit to a depth of approximately ten feet below the land surface (bls), unless met by refusal. All the soil boring locations are shown on the Site Sampling Plan provided in Appendix A.

Laurel Environmental was contracted to advance borings with a *Geoprobe* model 6712DT. Borings were advanced to 15 feet bls or refusal. Boring locations WC-1 through WC-3 were successfully advanced to 15 feet bls. Boring WC-4 was advanced to 8 feet and WC-5 was advanced to 10 feet. No odors were detected for any of the borings. Moisture was encountered in the 5-10 foot interval for each boring.

Soil samples taken from the borings were collected using a single-use environmental grade disposable plastic sleeve inserted into the *Geoprobe* soil sampler. Sleeves were cut lengthwise, opened, and soils were screened for the presence of volatile organic vapors using a broadband photo ionization detector (PID). The PID was zero calibrated prior to screening soil samples at the subject property.

The soil samples 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.

The soil samples collected from the borings on the subject property were analyzed for the presence of total metals, SVOCs, VOCs, pesticides, PCBs, and hexavalent chromium. The full TCLP, RIC analysis was performed for two of the five soil samples submitted.

2.2 Monitoring Well Installation

One monitoring well was installed at the subject property. Groundwater at the site was encountered at approximately 8 feet below ground surface (bgs), and the monitoring wells were advanced with 5 feet of PVC pipe and 5 feet of screen. The monitoring well was installed with 1" Schedule 40 PVC. After installation, wells were developed by bailing out the sediment. An experienced field representative from Galli Engineering, P.C., (Galli) was present to monitor all field activities and collect samples.

2.3 Groundwater Sample Collection

One groundwater sample was collected from the site, as shown on the Site Plan, Appendix A. The sample was collected from approximately 8 feet below grade, using a disposable polyethylene bailer and was placed into a 1-liter amber colored glass jar, two clear 40-milliliter glass vials and a 250-milliliter plastic container.

The groundwater sample was labeled MW-1. Samples were analyzed for the presence of total metals, hexavalent chromium, PCBs, pesticides, herbicides, VOCs, and SVOCs.

3.0 FIELD SCREENING AND ANALYTICAL RESULTS

3.1 Field Screening Results

Rainfall was constant during the sampling event and the PID could not be used. A visual inspection of each interval determined which would be sampled from each boring.

Weather conditions were as such: Temperature, 61F; Humidity, 97%. Steady rain fell during the entirety of the sampling event. Daily precipitation for the area was measured at 0.47 inches.

3.2 Laboratory Analytical Results

The laboratory results for the samples collected from the subject property are discussed below.

3.2.1 Soil Sample Analytical Results

The following table shows the contaminants that were in excess of 6 NYCRR Subpart 375-6.8.

Contaminant	Unrestricted SCOs	WC-2	WC-3	WC-4	WC-5
Chromium	30	18.3	40.0	84.2	57.2
Copper	50	21.2	39.8	51.3	43.1
Nickel	30	16.2	24.1	45.5	27.1
Acetone	50	110	-	140	-

Samples compared to *NYSDEC Part 375 Table 375-6.8(b) Unrestricted Use Soil Cleanup Objectives*. Values in bold exceed the Part 375 Values for Unrestricted Use.

Contaminants did not exceed any of the Restricted Use Soil Cleanup Objectives (375-6.8(b)). The above table shows that there were three metals that exceeded Subpart 375 limits. The limits exceeded were those of the Unrestricted Use Soil Cleanup Objectives (375-6.8(a)), the most stringent of the limits.

The full TCLP and RIC analysis produced negligible results, indicating that the material to be removed from the site is not considered toxic or hazardous.

The laboratory analytical results are included in Appendix C.

3.2.2 Groundwater Analytical Results

The samples were submitted to an ELAP certified laboratory. Laboratory results were assessed in accordance with *NYSDEC Part 703: Surface Water and Groundwater Quality Standards and Groundwater Effluent Limitations*; and *Technical & Operational Guidance Series (TOGS) 1.1.1. Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations*.

Metals	TOGS (mg/L)	MW-1 (mg/L)
Aluminum	0.1	26.5
Aluminum (dissolved)	0.1	0.22
Chromium	0.05	0.058
Iron	0.3	56.2
Iron (Dissolved)	0.3	0.589
Lead	0.025	0.036
Manganese	0.3	1.06
Manganese (Dissolved)	0.3	0.678

The table above shows all metallic contaminants found in excess of Water Quality Standards and Guidance Values in sample MW-1.

SVOCs	TOGS (µg/L)	MW-1 (µg/L)
Benz(a)anthracene	0.002	0.09
Benzo(a)pyrene	0.002	0.05
Benzo(b)fluoranthene	0.002	0.11
Benzo(k)fluoranthene	0.002	0.03
Chrysene	0.002	0.07
Indeno(1,2,3-cd)pyrene	0.002	0.04

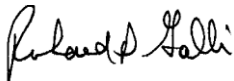
The table above shows all SVOCs found in excess of Water Quality Standards and Guidance Values in sample MW-1.

4.0 CONCLUSIONS

Based upon results obtained from the sampling investigation, VOCs, pesticides, PCBs, and hexavalent chromium were not detected above NYSDEC Unrestricted Use Soil Cleanup Objectives (375-6.8(a)) in any of the soil samples. The SVOC detected (Acetone) was above Unrestricted Use Soil Cleanup Objectives but below Restricted Use Soil Cleanup Objectives (375-6.8(b)). The metals chromium, copper and nickel were detected above NYSDEC Unrestricted Use Soil Cleanup Objectives (375-6.8(a)).

Metals and SVOC contaminants were found in excess of NYSDEC Water Quality Standards and Guidance Values in the groundwater sample collected.

GALLI ENGINEERING, P.C.



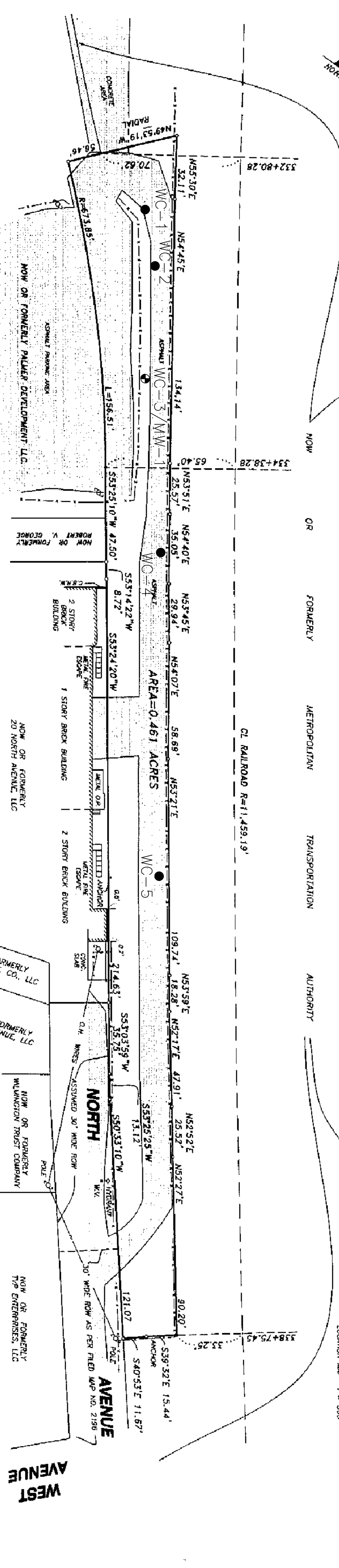
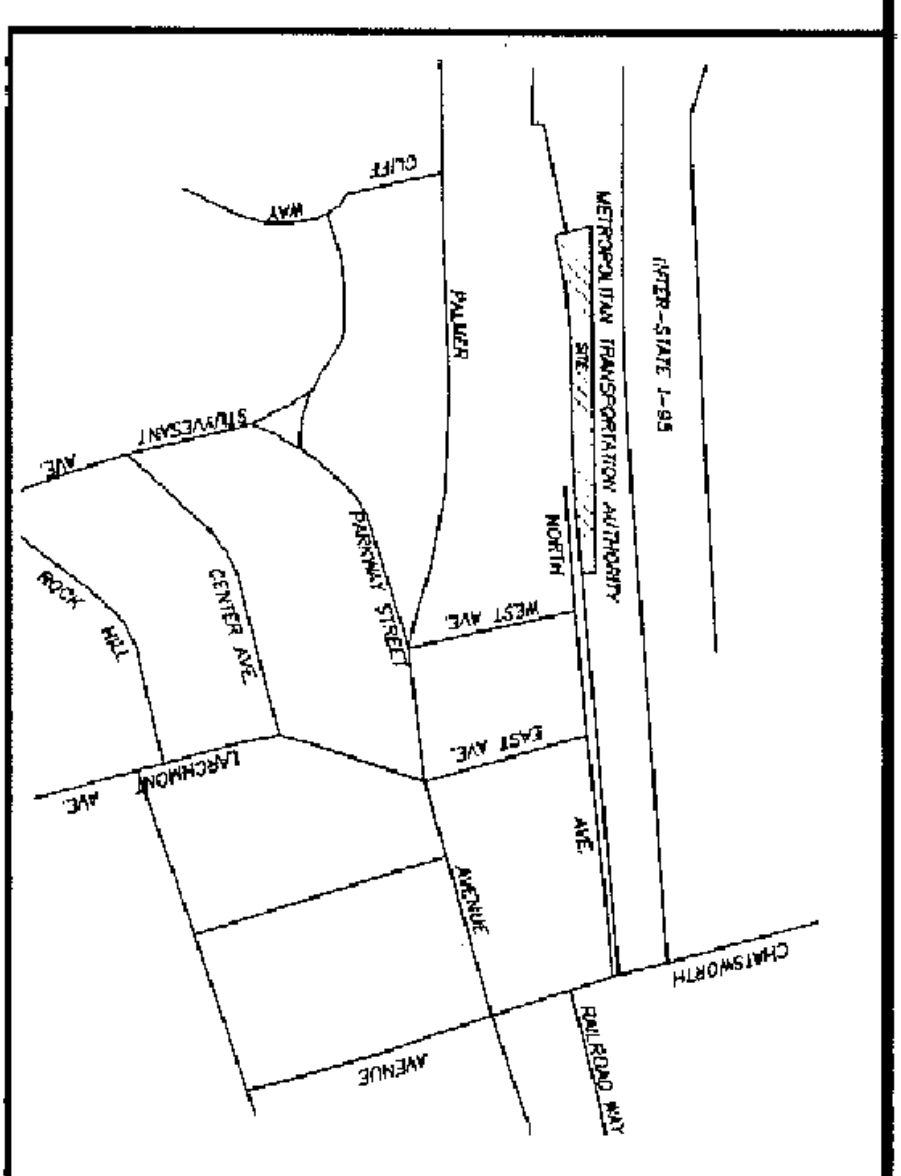
7/3/14

Richard D. Galli, P.E.
President

Date

Appendix A

Site Sampling Plan



IN ACCORDANCE WITH THE EXISTING CODE OF PRACTICE FOR LAND SURVEYS ADOPTED BY THE NEW YORK STATE ASSOCIATION OF PROFESSIONAL LAND SURVEYORS.

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NO SUBDIVISION
 Westchester County Department of Health
 New Rochelle, New York

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Each purchase of property shown herein shall be furnished a true copy of this plot showing this endorsement. Any encroachments, changes, additions or alterations of any kind, street or addition of any kind, shall be shown on the plot and the surveyor shall be notified in writing on the plot after this approval. This approval shall be void if not used within the time specified hereon.

Approved by the Assistant Commissioner of Health
 on behalf of the Department of Health _____ Date _____

Property shown herein is subject to the Rules and Regulations for the protection from Contamination of the New York City Water Supply and its Sources.

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SIGNED THIS _____ DAY OF _____

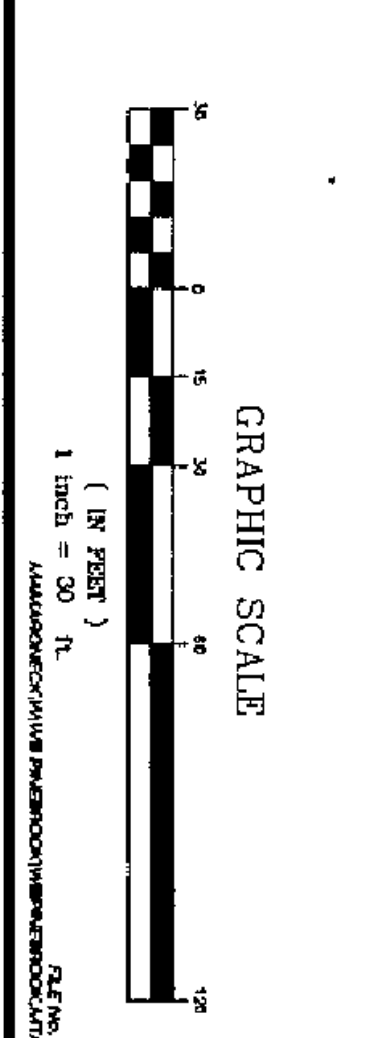
CHAIRMAN _____

SECRETARY _____

OWNER OF RECORD: METROPOLITAN TRANSPORTATION AUTHORITY
 347 MADISON AVE.
 NEW YORK, NEW YORK 10017

I HEREBY GRANT MY APPROVAL TO THIS PLAN AND CONSENT TO THE FILING OF IT IN THE WESTCHESTER COUNTY CLERK'S OFFICE.
 _____ DATE _____

**SUBDIVISION OF PROPERTY
 PREPARED FOR
 METROPOLITAN
 TRANSPORTATION
 AUTHORITY
 SITUATE IN THE
 VILLAGE OF LARCHMONT
 TOWN OF MAMARONECK
 WESTCHESTER COUNTY
 NEW YORK**

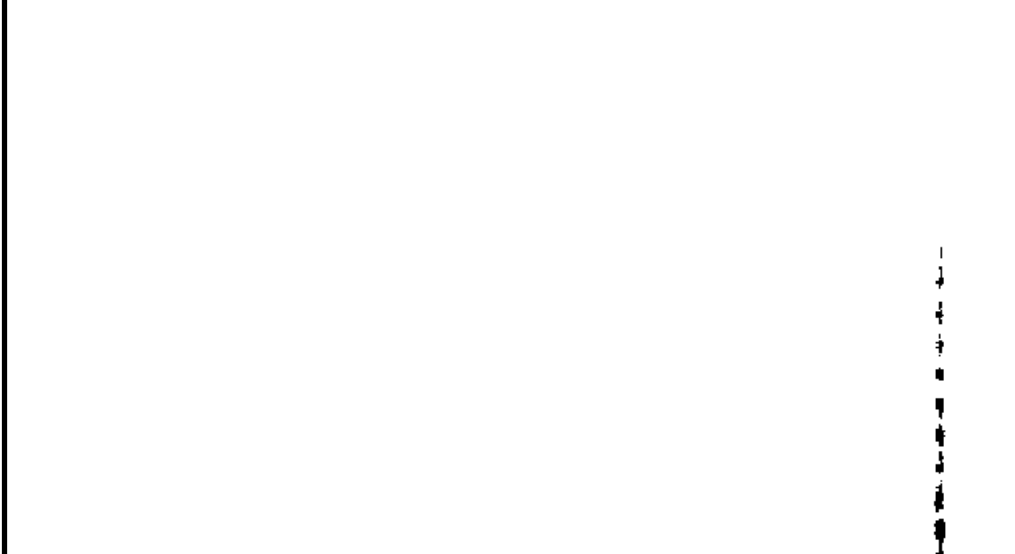


- LEGEND
- SOIL BORING LOCATION
 - ⊕ MONITORING WELL LOCATION

NOTE:
 ALL LOCATIONS ARE APPROXIMATE

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1. LETTERS A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z, AA, AB, AC, AD, AE, AF, AG, AH, AI, AJ, AK, AL, AM, AN, AO, AP, AQ, AR, AS, AT, AU, AV, AW, AX, AY, AZ, BA, BB, BC, BD, BE, BF, BG, BH, BI, BJ, BK, BL, BM, BN, BO, BP, BQ, BR, BS, BT, BU, BV, BW, BX, BY, BZ, CA, CB, CC, CD, CE, CF, CG, CH, CI, CJ, CK, CL, CM, CN, CO, CP, CQ, CR, CS, CT, CU, CV, CW, CX, CY, CZ, DA, DB, DC, DD, DE, DF, DG, DH, DI, DJ, DK, DL, DM, DN, DO, DP, DQ, DR, DS, DT, DU, DV, DW, DX, DY, DZ, EA, EB, EC, ED, EE, EF, EG, EH, EI, EJ, EK, EL, EM, EN, EO, EP, EQ, ER, ES, ET, EU, EV, EW, EX, EY, EZ, FA, FB, FC, FD, FE, FF, FG, FH, FI, FJ, FK, FL, FM, FN, FO, FP, FQ, FR, FS, FT, FU, FV, FW, FX, FY, FZ, GA, GB, GC, GD, GE, GF, GG, GH, GI, GJ, GK, GL, GM, GN, GO, GP, GQ, GR, GS, GT, GU, GV, GW, GX, GY, GZ, HA, HB, HC, HD, HE, HF, HG, HH, HI, HJ, HK, HL, HM, HN, HO, HP, HQ, HR, HS, HT, HU, HV, HW, HX, HY, HZ, IA, IB, IC, ID, IE, IF, IG, IH, II, IJ, IK, IL, IM, IN, IO, IP, IQ, IR, IS, IT, IU, IV, IW, IX, IY, IZ, JA, JB, JC, JD, JE, JF, JG, JH, JI, JJ, JK, JL, JM, JN, JO, JP, JQ, JR, JS, JT, JU, JV, JW, JX, JY, JZ, KA, KB, KC, KD, KE, KF, KG, KH, KI, KJ, KK, KL, KM, KN, KO, KP, KQ, KR, KS, KT, KU, KV, KW, KX, KY, KZ, LA, LB, LC, LD, LE, LF, LG, LH, LI, LJ, LK, LL, LM, LN, LO, LP, LQ, LR, LS, LT, LU, LV, LW, LX, LY, LZ, MA, MB, MC, MD, ME, MF, MG, MH, MI, MJ, MK, ML, MM, MN, MO, MP, MQ, MR, MS, MT, MU, MV, MW, MX, MY, MZ, NA, NB, NC, ND, NE, NF, NG, NH, NI, NJ, NK, NL, NM, NN, NO, NP, NQ, NR, NS, NT, NU, NV, NW, NX, NY, NZ, OA, OB, OC, OD, OE, OF, OG, OH, OI, OJ, OK, OL, OM, ON, OO, OP, OQ, OR, OS, OT, OU, OV, OW, OX, OY, OZ, PA, PB, PC, PD, PE, PF, PG, PH, PI, PJ, PK, PL, PM, PN, PO, PP, PQ, PR, PS, PT, PU, PV, PW, PX, PY, PZ, QA, QB, QC, QD, QE, QF, QG, QH, QI, QJ, QK, QL, QM, QN, QO, QP, QQ, QR, QS, QT, QU, QV, QW, QX, QY, QZ, RA, RB, RC, RD, RE, RF, RG, RH, RI, RJ, RK, RL, RM, RN, RO, RP, RQ, RR, RS, RT, RU, RV, RW, RX, RY, RZ, SA, SB, SC, SD, SE, SF, SG, SH, SI, SJ, SK, SL, SM, SN, SO, SP, SQ, SR, SS, ST, SU, SV, SW, SX, SY, SZ, TA, TB, TC, TD, TE, TF, TG, TH, TI, TJ, TK, TL, TM, TN, TO, TP, TQ, TR, TS, TT, TU, TV, TW, TX, TY, TZ, UA, UB, UC, UD, UE, UF, UG, UH, UI, UJ, UK, UL, UM, UN, UO, UP, UQ, UR, US, UT, UY, UZ, VA, VB, VC, VD, VE, VF, VG, VH, VI, VJ, VK, VL, VM, VN, VO, VP, VQ, VR, VS, VT, VU, VW, VX, VY, VZ, WA, WB, WC, WD, WE, WF, WG, WH, WI, WJ, WK, WL, WM, WN, WO, WP, WQ, WR, WS, WT, WU, WV, WW, WX, WY, WZ, XA, XB, XC, XD, XE, XF, XG, XH, XI, XJ, XK, XL, XM, XN, XO, XP, XQ, XR, XS, XT, XU, XV, XW, XX, XY, XZ, YA, YB, YC, YD, YE, YF, YG, YH, YI, YJ, YK, YL, YM, YN, YO, YP, YQ, YR, YS, YT, YU, YV, YW, YX, YY, YZ, ZA, ZB, ZC, ZD, ZE, ZF, ZG, ZH, ZI, ZJ, ZK, ZL, ZM, ZN, ZO, ZP, ZQ, ZR, ZS, ZT, ZU, ZV, ZW, ZX, ZY, ZZ.



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VF		PROPOSED PINEBROOK CONDOMINIUMS 2101 PALMER AVE., LARCHMONT, N.Y. 10538	
SD		SAMPLE LOCATIONS FOR WASTE CHARACTERIZATION	
ROG			

DATE: 6/30/14
 SCALE: AS SHOWN
 DRAWING NO.:

Gilli Engineering, P.C.
 35 Pinelawn Road, Suite 209E
 Melville, New York 11747

Appendix B

Soil Boring Logs

Well Installation Form



Galli Engineering, P.C.
 35 Pinelawn Road, Suite 209 E
 Melville, New York 11747
 Phone:(631) 271-9292 Fax: (631) 271-9357

Project:

Former Chatsworth Coal and
 Supply Site
 2101 Palmer Avenue
 Larchmont, New York

Well ID: MW-1

Job Number:

Top of Pipe:

Driller: Laurel Environmental

Installed

6/9/2014

Drill Method: Geoprobe

Apparatus Model

Geoprobe 6712 DT

Borehole Diameter: 2 inch

Well Type

PVC Schedule 40

Well Depth: 10 feet

Well Diameter: 1 inch

Logged By: MSG

Additional Information	Depth (feet)	Graphic Log	Materials Description	Well Completion
5' Top of Screen	1 2 3 4 5		Woody Material Rock and Concrete Rock and Stone	
10' Bottom of Well	6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25		Rock and Stone Sand Sandy Silt <hr/> Installed 10' Monitoring Well	

Appendix C

Laboratory Analytical Report



Friday, June 20, 2014

Attn: Mr Luis Lasanta
Galli Engineering, P.C.
35 Pinelawn Road Suite 209E
Melville, NY 11747

Project ID: LARCHMONT
Sample ID#s: BG55233 - BG55239

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

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

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

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

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

Sincerely yours,

A handwritten signature in black ink that reads "Phyllis Shiller". The signature is written in a cursive style.

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



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



SDG Comments

June 20, 2014

SDG I.D.: GBG55233

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



Environmental Laboratories, Inc.
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Analysis Report

June 20, 2014

FOR: Attn: Mr Luis Lasanta
 Galli Engineering, P.C.
 35 Pinelawn Road Suite 209E
 Melville, NY 11747

Sample Information

Matrix: SOLID
 Location Code: GALLI-ENG
 Rush Request: Standard
 P.O.#:

Custody Information

Collected by:
 Received by: SW
 Analyzed by: see "By" below

Date

06/09/14
 06/10/14

Time

8:30
 17:20

Laboratory Data

SDG ID: BGB55233
 Phoenix ID: BG55233

Project ID: LARCHMONT
 Client ID: WC-1

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Silver	< 0.38	0.38	mg/Kg	06/11/14	LK	SW6010
Aluminum	5320	57	mg/Kg	06/11/14	LK	SW6010
Arsenic	0.8	0.8	mg/Kg	06/11/14	LK	SW6010
Barium	54.1	0.38	mg/Kg	06/11/14	LK	SW6010
Beryllium	< 0.30	0.30	mg/Kg	06/11/14	LK	SW6010
Calcium	1780	5.7	mg/Kg	06/11/14	LK	SW6010
Cadmium	< 0.38	0.38	mg/Kg	06/11/14	LK	SW6010
Cobalt	5.68	0.38	mg/Kg	06/11/14	LK	SW6010
Chromium	15.6	0.38	mg/Kg	06/11/14	LK	SW6010
Copper	17.0	0.38	mg/kg	06/11/14	LK	SW6010
Iron	12300	57	mg/Kg	06/11/14	LK	SW6010
Mercury	< 0.07	0.07	mg/Kg	06/11/14	RS	SW-7471
Potassium	2250	5.7	mg/Kg	06/12/14	LK	SW6010
Magnesium	2580	5.7	mg/Kg	06/11/14	LK	SW6010
Manganese	161	3.8	mg/Kg	06/11/14	LK	SW6010
Sodium	107	5.7	mg/Kg	06/12/14	LK	SW6010
Nickel	9.33	0.38	mg/Kg	06/11/14	LK	SW6010
Lead	2.86	0.38	mg/Kg	06/11/14	LK	SW6010
Antimony	< 3.8	3.8	mg/Kg	06/11/14	LK	SW6010
Selenium	< 1.5	1.5	mg/Kg	06/11/14	LK	SW6010
Thallium	< 3.4	3.4	mg/Kg	06/11/14	LK	SW6010
Vanadium	20.8	0.38	mg/Kg	06/11/14	LK	SW6010
Zinc	21.0	0.38	mg/Kg	06/11/14	LK	SW6010
Percent Solid	88		%	06/10/14	I	E160.3
Chromium, Hexavalent	< 0.45	0.45	mg/Kg	06/11/14 06:30	KDB	SW3060/7196
pH - Soil	7.49	0.10	pH Units	06/10/14 19:45	DH/KDB	4500-H B/9045 1
Redox Potential	200	1.0	mV	06/10/14	DH/KDB	SM2580B 1
Total Cyanide	< 0.57	0.57	mg/Kg	06/10/14	O/GD	SW 9010/9012

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Soil Extraction for PCB	Completed			06/10/14	JB/V	SW3545
Soil Extraction for Pesticide	Completed			06/10/14	JB	SW3545
Soil Extraction for SVOA	Completed			06/10/14	JJ/FV	SW3545
Mercury Digestion	Completed			06/11/14	I/I	SW7471
Total Metals Digest	Completed			06/10/14	CB/AG	SW846 - 3050
Field Extraction	Completed			06/09/14		SW5035

Polychlorinated Biphenyls

PCB-1016	ND	75	ug/Kg	06/11/14	AW	SW 8082
PCB-1221	ND	75	ug/Kg	06/11/14	AW	SW 8082
PCB-1232	ND	75	ug/Kg	06/11/14	AW	SW 8082
PCB-1242	ND	75	ug/Kg	06/11/14	AW	SW 8082
PCB-1248	ND	75	ug/Kg	06/11/14	AW	SW 8082
PCB-1254	ND	75	ug/Kg	06/11/14	AW	SW 8082
PCB-1260	ND	75	ug/Kg	06/11/14	AW	SW 8082
PCB-1262	ND	75	ug/Kg	06/11/14	AW	SW 8082
PCB-1268	ND	75	ug/Kg	06/11/14	AW	SW 8082

QA/QC Surrogates

% DCBP	122		%	06/11/14	AW	30 - 150 %
% TCMX	114		%	06/11/14	AW	30 - 150 %

Pesticides

4,4' -DDD	ND	2.2	ug/Kg	06/11/14	CE	SW8081
4,4' -DDE	ND	2.2	ug/Kg	06/11/14	CE	SW8081
4,4' -DDT	ND	2.2	ug/Kg	06/11/14	CE	SW8081
a-BHC	ND	3.6	ug/Kg	06/11/14	CE	SW8081
Alachlor	ND	3.6	ug/Kg	06/11/14	CE	SW8081
Aldrin	ND	1.1	ug/Kg	06/11/14	CE	SW8081
b-BHC	ND	3.6	ug/Kg	06/11/14	CE	SW8081
Chlordane	ND	11	ug/Kg	06/11/14	CE	SW8081
d-BHC	ND	3.6	ug/Kg	06/11/14	CE	SW8081
Dieldrin	ND	1.1	ug/Kg	06/11/14	CE	SW8081
Endosulfan I	ND	3.6	ug/Kg	06/11/14	CE	SW8081
Endosulfan II	ND	7.2	ug/Kg	06/11/14	CE	SW8081
Endosulfan sulfate	ND	7.2	ug/Kg	06/11/14	CE	SW8081
Endrin	ND	7.2	ug/Kg	06/11/14	CE	SW8081
Endrin aldehyde	ND	7.2	ug/Kg	06/11/14	CE	SW8081
Endrin ketone	ND	7.2	ug/Kg	06/11/14	CE	SW8081
g-BHC	ND	1.1	ug/Kg	06/11/14	CE	SW8081
Heptachlor	ND	2.2	ug/Kg	06/11/14	CE	SW8081
Heptachlor epoxide	ND	3.6	ug/Kg	06/11/14	CE	SW8081
Methoxychlor	ND	36	ug/Kg	06/11/14	CE	SW8081
Toxaphene	ND	190	ug/Kg	06/11/14	CE	SW8081

QA/QC Surrogates

% DCBP	105		%	06/11/14	CE	30 - 150 %
% TCMX	103		%	06/11/14	CE	30 - 150 %

Volatiles

1,1,1,2-Tetrachloroethane	ND	16	ug/Kg	06/17/14	JLI	SW8260
1,1,1-Trichloroethane	ND	16	ug/Kg	06/17/14	JLI	SW8260

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
1,1,2,2-Tetrachloroethane	ND	9.8	ug/Kg	06/17/14	JLI	SW8260
1,1,2-Trichloroethane	ND	16	ug/Kg	06/17/14	JLI	SW8260
1,1-Dichloroethane	ND	16	ug/Kg	06/17/14	JLI	SW8260
1,1-Dichloroethene	ND	16	ug/Kg	06/17/14	JLI	SW8260
1,1-Dichloropropene	ND	16	ug/Kg	06/17/14	JLI	SW8260
1,2,3-Trichlorobenzene	ND	16	ug/Kg	06/17/14	JLI	SW8260
1,2,3-Trichloropropane	ND	16	ug/Kg	06/17/14	JLI	SW8260
1,2,4-Trichlorobenzene	ND	16	ug/Kg	06/17/14	JLI	SW8260
1,2,4-Trimethylbenzene	ND	16	ug/Kg	06/17/14	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND	16	ug/Kg	06/17/14	JLI	SW8260
1,2-Dibromoethane	ND	16	ug/Kg	06/17/14	JLI	SW8260
1,2-Dichlorobenzene	ND	16	ug/Kg	06/17/14	JLI	SW8260
1,2-Dichloroethane	ND	16	ug/Kg	06/17/14	JLI	SW8260
1,2-Dichloropropane	ND	16	ug/Kg	06/17/14	JLI	SW8260
1,3,5-Trimethylbenzene	ND	16	ug/Kg	06/17/14	JLI	SW8260
1,3-Dichlorobenzene	ND	16	ug/Kg	06/17/14	JLI	SW8260
1,3-Dichloropropane	ND	16	ug/Kg	06/17/14	JLI	SW8260
1,4-Dichlorobenzene	ND	16	ug/Kg	06/17/14	JLI	SW8260
2,2-Dichloropropane	ND	16	ug/Kg	06/17/14	JLI	SW8260
2-Chlorotoluene	ND	16	ug/Kg	06/17/14	JLI	SW8260
2-Hexanone	ND	82	ug/Kg	06/17/14	JLI	SW8260
2-Isopropyltoluene	ND	16	ug/Kg	06/17/14	JLI	SW8260
4-Chlorotoluene	ND	16	ug/Kg	06/17/14	JLI	SW8260
4-Methyl-2-pentanone	ND	82	ug/Kg	06/17/14	JLI	SW8260
Acetone	ND	50	ug/Kg	06/17/14	JLI	SW8260
Acrylonitrile	ND	16	ug/Kg	06/17/14	JLI	SW8260
Benzene	ND	16	ug/Kg	06/17/14	JLI	SW8260
Bromobenzene	ND	16	ug/Kg	06/17/14	JLI	SW8260
Bromochloromethane	ND	16	ug/Kg	06/17/14	JLI	SW8260
Bromodichloromethane	ND	16	ug/Kg	06/17/14	JLI	SW8260
Bromoform	ND	16	ug/Kg	06/17/14	JLI	SW8260
Bromomethane	ND	16	ug/Kg	06/17/14	JLI	SW8260
Carbon Disulfide	ND	16	ug/Kg	06/17/14	JLI	SW8260
Carbon tetrachloride	ND	16	ug/Kg	06/17/14	JLI	SW8260
Chlorobenzene	ND	16	ug/Kg	06/17/14	JLI	SW8260
Chloroethane	ND	16	ug/Kg	06/17/14	JLI	SW8260
Chloroform	ND	16	ug/Kg	06/17/14	JLI	SW8260
Chloromethane	ND	16	ug/Kg	06/17/14	JLI	SW8260
cis-1,2-Dichloroethene	ND	16	ug/Kg	06/17/14	JLI	SW8260
cis-1,3-Dichloropropene	ND	16	ug/Kg	06/17/14	JLI	SW8260
Dibromochloromethane	ND	9.8	ug/Kg	06/17/14	JLI	SW8260
Dibromomethane	ND	16	ug/Kg	06/17/14	JLI	SW8260
Dichlorodifluoromethane	ND	16	ug/Kg	06/17/14	JLI	SW8260
Ethylbenzene	ND	16	ug/Kg	06/17/14	JLI	SW8260
Hexachlorobutadiene	ND	16	ug/Kg	06/17/14	JLI	SW8260
Isopropylbenzene	ND	16	ug/Kg	06/17/14	JLI	SW8260
m&p-Xylene	ND	16	ug/Kg	06/17/14	JLI	SW8260
Methyl Ethyl Ketone	ND	98	ug/Kg	06/17/14	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND	33	ug/Kg	06/17/14	JLI	SW8260

1

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Methylene chloride	ND	20	ug/Kg	06/17/14	JLI	SW8260
Naphthalene	ND	16	ug/Kg	06/17/14	JLI	SW8260
n-Butylbenzene	ND	16	ug/Kg	06/17/14	JLI	SW8260
n-Propylbenzene	ND	16	ug/Kg	06/17/14	JLI	SW8260
o-Xylene	ND	16	ug/Kg	06/17/14	JLI	SW8260
p-Isopropyltoluene	ND	16	ug/Kg	06/17/14	JLI	SW8260
sec-Butylbenzene	ND	16	ug/Kg	06/17/14	JLI	SW8260
Styrene	ND	16	ug/Kg	06/17/14	JLI	SW8260
tert-Butylbenzene	ND	16	ug/Kg	06/17/14	JLI	SW8260
Tetrachloroethene	ND	16	ug/Kg	06/17/14	JLI	SW8260
Tetrahydrofuran (THF)	ND	33	ug/Kg	06/17/14	JLI	SW8260
Toluene	ND	16	ug/Kg	06/17/14	JLI	SW8260
Total Xylenes	ND	16	ug/Kg	06/17/14	JLI	SW8260
trans-1,2-Dichloroethene	ND	16	ug/Kg	06/17/14	JLI	SW8260
trans-1,3-Dichloropropene	ND	16	ug/Kg	06/17/14	JLI	SW8260
trans-1,4-dichloro-2-butene	ND	33	ug/Kg	06/17/14	JLI	SW8260
Trichloroethene	ND	16	ug/Kg	06/17/14	JLI	SW8260
Trichlorofluoromethane	ND	16	ug/Kg	06/17/14	JLI	SW8260
Trichlorotrifluoroethane	ND	16	ug/Kg	06/17/14	JLI	SW8260
Vinyl chloride	ND	16	ug/Kg	06/17/14	JLI	SW8260
<u>QA/QC Surrogates</u>						
% 1,2-dichlorobenzene-d4	99		%	06/17/14	JLI	70 - 130 %
% Bromofluorobenzene	98		%	06/17/14	JLI	70 - 130 %
% Dibromofluoromethane	98		%	06/17/14	JLI	70 - 130 %
% Toluene-d8	93		%	06/17/14	JLI	70 - 130 %
<u>Semivolatiles</u>						
1,2,4,5-Tetrachlorobenzene	ND	260	ug/Kg	06/11/14	DD	SW 8270
1,2,4-Trichlorobenzene	ND	260	ug/Kg	06/11/14	DD	SW 8270
1,2-Dichlorobenzene	ND	260	ug/Kg	06/11/14	DD	SW 8270
1,2-Diphenylhydrazine	ND	370	ug/Kg	06/11/14	DD	SW 8270
1,3-Dichlorobenzene	ND	260	ug/Kg	06/11/14	DD	SW 8270
1,4-Dichlorobenzene	ND	260	ug/Kg	06/11/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	260	ug/Kg	06/11/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	260	ug/Kg	06/11/14	DD	SW 8270
2,4-Dichlorophenol	ND	260	ug/Kg	06/11/14	DD	SW 8270
2,4-Dimethylphenol	ND	260	ug/Kg	06/11/14	DD	SW 8270
2,4-Dinitrophenol	ND	590	ug/Kg	06/11/14	DD	SW 8270
2,4-Dinitrotoluene	ND	260	ug/Kg	06/11/14	DD	SW 8270
2,6-Dinitrotoluene	ND	260	ug/Kg	06/11/14	DD	SW 8270
2-Chloronaphthalene	ND	260	ug/Kg	06/11/14	DD	SW 8270
2-Chlorophenol	ND	260	ug/Kg	06/11/14	DD	SW 8270
2-Methylnaphthalene	ND	260	ug/Kg	06/11/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	260	ug/Kg	06/11/14	DD	SW 8270
2-Nitroaniline	ND	590	ug/Kg	06/11/14	DD	SW 8270
2-Nitrophenol	ND	260	ug/Kg	06/11/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	370	ug/Kg	06/11/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	260	ug/Kg	06/11/14	DD	SW 8270
3-Nitroaniline	ND	590	ug/Kg	06/11/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1100	ug/Kg	06/11/14	DD	SW 8270

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
4-Bromophenyl phenyl ether	ND	370	ug/Kg	06/11/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	260	ug/Kg	06/11/14	DD	SW 8270
4-Chloroaniline	ND	260	ug/Kg	06/11/14	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	260	ug/Kg	06/11/14	DD	SW 8270
4-Nitroaniline	ND	590	ug/Kg	06/11/14	DD	SW 8270
4-Nitrophenol	ND	1100	ug/Kg	06/11/14	DD	SW 8270
Acenaphthene	ND	260	ug/Kg	06/11/14	DD	SW 8270
Acenaphthylene	ND	260	ug/Kg	06/11/14	DD	SW 8270
Acetophenone	ND	260	ug/Kg	06/11/14	DD	SW 8270
Aniline	ND	1100	ug/Kg	06/11/14	DD	SW 8270
Anthracene	ND	260	ug/Kg	06/11/14	DD	SW 8270
Benz(a)anthracene	ND	260	ug/Kg	06/11/14	DD	SW 8270
Benzidine	ND	440	ug/Kg	06/11/14	DD	SW 8270
Benzo(a)pyrene	ND	260	ug/Kg	06/11/14	DD	SW 8270
Benzo(b)fluoranthene	ND	260	ug/Kg	06/11/14	DD	SW 8270
Benzo(ghi)perylene	ND	260	ug/Kg	06/11/14	DD	SW 8270
Benzo(k)fluoranthene	ND	260	ug/Kg	06/11/14	DD	SW 8270
Benzoic acid	ND	1100	ug/Kg	06/11/14	DD	SW 8270 1
Benzyl butyl phthalate	ND	260	ug/Kg	06/11/14	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	260	ug/Kg	06/11/14	DD	SW 8270
Bis(2-chloroethyl)ether	ND	370	ug/Kg	06/11/14	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	260	ug/Kg	06/11/14	DD	SW 8270 1
Bis(2-ethylhexyl)phthalate	ND	260	ug/Kg	06/11/14	DD	SW 8270
Carbazole	ND	550	ug/Kg	06/11/14	DD	SW 8270
Chrysene	ND	260	ug/Kg	06/11/14	DD	SW 8270
Dibenz(a,h)anthracene	ND	260	ug/Kg	06/11/14	DD	SW 8270
Dibenzofuran	ND	260	ug/Kg	06/11/14	DD	SW 8270
Diethyl phthalate	ND	260	ug/Kg	06/11/14	DD	SW 8270
Dimethylphthalate	ND	260	ug/Kg	06/11/14	DD	SW 8270
Di-n-butylphthalate	ND	260	ug/Kg	06/11/14	DD	SW 8270
Di-n-octylphthalate	ND	260	ug/Kg	06/11/14	DD	SW 8270
Fluoranthene	ND	260	ug/Kg	06/11/14	DD	SW 8270
Fluorene	ND	260	ug/Kg	06/11/14	DD	SW 8270
Hexachlorobenzene	ND	260	ug/Kg	06/11/14	DD	SW 8270
Hexachlorobutadiene	ND	260	ug/Kg	06/11/14	DD	SW 8270
Hexachlorocyclopentadiene	ND	260	ug/Kg	06/11/14	DD	SW 8270
Hexachloroethane	ND	260	ug/Kg	06/11/14	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	260	ug/Kg	06/11/14	DD	SW 8270
Isophorone	ND	260	ug/Kg	06/11/14	DD	SW 8270
Naphthalene	ND	260	ug/Kg	06/11/14	DD	SW 8270
Nitrobenzene	ND	260	ug/Kg	06/11/14	DD	SW 8270
N-Nitrosodimethylamine	ND	370	ug/Kg	06/11/14	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	260	ug/Kg	06/11/14	DD	SW 8270
N-Nitrosodiphenylamine	ND	370	ug/Kg	06/11/14	DD	SW 8270
Pentachloronitrobenzene	ND	370	ug/Kg	06/11/14	DD	SW 8270
Pentachlorophenol	ND	370	ug/Kg	06/11/14	DD	SW 8270
Phenanthrene	ND	260	ug/Kg	06/11/14	DD	SW 8270
Phenol	ND	260	ug/Kg	06/11/14	DD	SW 8270
Pyrene	ND	260	ug/Kg	06/11/14	DD	SW 8270

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Pyridine	ND	370	ug/Kg	06/11/14	DD	SW 8270
<u>QA/QC Surrogates</u>						
% 2,4,6-Tribromophenol	93		%	06/11/14	DD	30 - 130 %
% 2-Fluorobiphenyl	81		%	06/11/14	DD	30 - 130 %
% 2-Fluorophenol	79		%	06/11/14	DD	30 - 130 %
% Nitrobenzene-d5	82		%	06/11/14	DD	30 - 130 %
% Phenol-d5	82		%	06/11/14	DD	30 - 130 %
% Terphenyl-d14	91		%	06/11/14	DD	30 - 130 %

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

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

Comments:

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

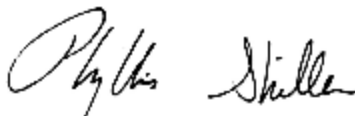
Please be advised that the NY unrestricted soil criteria for chromium is based on hexavalent chromium and trivalent chromium.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is in a reducing state.

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

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



Phyllis Shiller, Laboratory Director

June 20, 2014

Reviewed and Released by: Bobbi Aloisa, Vice President



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

Analysis Report

June 20, 2014

FOR: Attn: Mr Luis Lasanta
 Galli Engineering, P.C.
 35 Pinelawn Road Suite 209E
 Melville, NY 11747

Sample Information

Matrix: SOLID
 Location Code: GALLI-ENG
 Rush Request: Standard
 P.O.#:

Custody Information

Collected by:
 Received by: SW
 Analyzed by: see "By" below

Date

06/09/14
 06/10/14

Time

9:30
 17:20

Laboratory Data

SDG ID: GBG55233
 Phoenix ID: BG55234

Project ID: LARCHMONT
 Client ID: WC-2

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Silver	< 0.43	0.43	mg/Kg	06/11/14	LK	SW6010
Aluminum	7850	64	mg/Kg	06/11/14	LK	SW6010
Arsenic	2.4	0.9	mg/Kg	06/11/14	LK	SW6010
Barium	55.0	0.43	mg/Kg	06/11/14	LK	SW6010
Beryllium	0.35	0.34	mg/Kg	06/11/14	LK	SW6010
Calcium	2120	6.4	mg/Kg	06/11/14	LK	SW6010
Cadmium	< 0.43	0.43	mg/Kg	06/11/14	LK	SW6010
Cobalt	8.65	0.43	mg/Kg	06/11/14	LK	SW6010
Chromium	18.3	0.43	mg/Kg	06/11/14	LK	SW6010
Copper	21.2	0.43	mg/kg	06/11/14	LK	SW6010
Iron	17800	64	mg/Kg	06/11/14	LK	SW6010
Mercury	< 0.08	0.08	mg/Kg	06/11/14	RS	SW-7471
Potassium	2630	6.4	mg/Kg	06/12/14	LK	SW6010
Magnesium	3740	6.4	mg/Kg	06/11/14	LK	SW6010
Manganese	138	0.43	mg/Kg	06/11/14	LK	SW6010
Sodium	144	6.4	mg/Kg	06/12/14	LK	SW6010
Nickel	16.2	0.43	mg/Kg	06/11/14	LK	SW6010
Lead	4.32	0.43	mg/Kg	06/11/14	LK	SW6010
Antimony	< 4.3	4.3	mg/Kg	06/11/14	LK	SW6010
Selenium	< 1.7	1.7	mg/Kg	06/11/14	LK	SW6010
Thallium	< 3.8	3.8	mg/Kg	06/11/14	LK	SW6010
Vanadium	25.0	0.43	mg/Kg	06/11/14	LK	SW6010
Zinc	34.2	0.43	mg/Kg	06/11/14	LK	SW6010
Percent Solid	78		%	06/10/14	I	E160.3
Chromium, Hexavalent	< 0.49	0.49	mg/Kg	06/11/14 06:30	KDB	SW3060/7196
pH - Soil	7.28	0.10	pH Units	06/10/14 19:45	DH/KDB	4500-H B/9045 1
Redox Potential	87	1.0	mV	06/10/14	DH/KDB	SM2580B 1
Total Cyanide	< 0.64	0.64	mg/Kg	06/10/14	O/GD	SW 9010/9012

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Soil Extraction for PCB	Completed			06/10/14	JB/V	SW3545
Soil Extraction for Pesticide	Completed			06/10/14	JB	SW3545
Soil Extraction for SVOA	Completed			06/10/14	JJ/FV	SW3545
Mercury Digestion	Completed			06/11/14	I/I	SW7471
Total Metals Digest	Completed			06/10/14	CB/AG	SW846 - 3050
Field Extraction	Completed			06/09/14		SW5035

Polychlorinated Biphenyls

PCB-1016	ND	84	ug/Kg	06/11/14	AW	SW 8082
PCB-1221	ND	84	ug/Kg	06/11/14	AW	SW 8082
PCB-1232	ND	84	ug/Kg	06/11/14	AW	SW 8082
PCB-1242	ND	84	ug/Kg	06/11/14	AW	SW 8082
PCB-1248	ND	84	ug/Kg	06/11/14	AW	SW 8082
PCB-1254	ND	84	ug/Kg	06/11/14	AW	SW 8082
PCB-1260	ND	84	ug/Kg	06/11/14	AW	SW 8082
PCB-1262	ND	84	ug/Kg	06/11/14	AW	SW 8082
PCB-1268	ND	84	ug/Kg	06/11/14	AW	SW 8082

QA/QC Surrogates

% DCBP	113		%	06/11/14	AW	30 - 150 %
% TCMX	106		%	06/11/14	AW	30 - 150 %

Pesticides

4,4' -DDD	ND	2.5	ug/Kg	06/11/14	CE	SW8081
4,4' -DDE	ND	2.5	ug/Kg	06/11/14	CE	SW8081
4,4' -DDT	ND	2.5	ug/Kg	06/11/14	CE	SW8081
a-BHC	ND	4.0	ug/Kg	06/11/14	CE	SW8081
Alachlor	ND	4.0	ug/Kg	06/11/14	CE	SW8081
Aldrin	ND	1.2	ug/Kg	06/11/14	CE	SW8081
b-BHC	ND	4.0	ug/Kg	06/11/14	CE	SW8081
Chlordane	ND	12	ug/Kg	06/11/14	CE	SW8081
d-BHC	ND	4.0	ug/Kg	06/11/14	CE	SW8081
Dieldrin	ND	1.2	ug/Kg	06/11/14	CE	SW8081
Endosulfan I	ND	4.0	ug/Kg	06/11/14	CE	SW8081
Endosulfan II	ND	8.0	ug/Kg	06/11/14	CE	SW8081
Endosulfan sulfate	ND	8.0	ug/Kg	06/11/14	CE	SW8081
Endrin	ND	8.0	ug/Kg	06/11/14	CE	SW8081
Endrin aldehyde	ND	8.0	ug/Kg	06/11/14	CE	SW8081
Endrin ketone	ND	8.0	ug/Kg	06/11/14	CE	SW8081
g-BHC	ND	1.2	ug/Kg	06/11/14	CE	SW8081
Heptachlor	ND	2.5	ug/Kg	06/11/14	CE	SW8081
Heptachlor epoxide	ND	4.0	ug/Kg	06/11/14	CE	SW8081
Methoxychlor	ND	40	ug/Kg	06/11/14	CE	SW8081
Toxaphene	ND	210	ug/Kg	06/11/14	CE	SW8081

QA/QC Surrogates

% DCBP	82		%	06/11/14	CE	30 - 150 %
% TCMX	100		%	06/11/14	CE	30 - 150 %

Volatiles

1,1,1,2-Tetrachloroethane	ND	11	ug/Kg	06/17/14	JLI	SW8260
1,1,1-Trichloroethane	ND	11	ug/Kg	06/17/14	JLI	SW8260

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
1,1,2,2-Tetrachloroethane	ND	6.6	ug/Kg	06/17/14	JLI	SW8260
1,1,2-Trichloroethane	ND	11	ug/Kg	06/17/14	JLI	SW8260
1,1-Dichloroethane	ND	11	ug/Kg	06/17/14	JLI	SW8260
1,1-Dichloroethene	ND	11	ug/Kg	06/17/14	JLI	SW8260
1,1-Dichloropropene	ND	11	ug/Kg	06/17/14	JLI	SW8260
1,2,3-Trichlorobenzene	ND	11	ug/Kg	06/17/14	JLI	SW8260
1,2,3-Trichloropropane	ND	11	ug/Kg	06/17/14	JLI	SW8260
1,2,4-Trichlorobenzene	ND	11	ug/Kg	06/17/14	JLI	SW8260
1,2,4-Trimethylbenzene	ND	11	ug/Kg	06/17/14	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND	11	ug/Kg	06/17/14	JLI	SW8260
1,2-Dibromoethane	ND	11	ug/Kg	06/17/14	JLI	SW8260
1,2-Dichlorobenzene	ND	11	ug/Kg	06/17/14	JLI	SW8260
1,2-Dichloroethane	ND	11	ug/Kg	06/17/14	JLI	SW8260
1,2-Dichloropropane	ND	11	ug/Kg	06/17/14	JLI	SW8260
1,3,5-Trimethylbenzene	ND	11	ug/Kg	06/17/14	JLI	SW8260
1,3-Dichlorobenzene	ND	11	ug/Kg	06/17/14	JLI	SW8260
1,3-Dichloropropane	ND	11	ug/Kg	06/17/14	JLI	SW8260
1,4-Dichlorobenzene	ND	11	ug/Kg	06/17/14	JLI	SW8260
2,2-Dichloropropane	ND	11	ug/Kg	06/17/14	JLI	SW8260
2-Chlorotoluene	ND	11	ug/Kg	06/17/14	JLI	SW8260
2-Hexanone	ND	55	ug/Kg	06/17/14	JLI	SW8260
2-Isopropyltoluene	ND	11	ug/Kg	06/17/14	JLI	SW8260
4-Chlorotoluene	ND	11	ug/Kg	06/17/14	JLI	SW8260
4-Methyl-2-pentanone	ND	55	ug/Kg	06/17/14	JLI	SW8260
Acetone	110	66	ug/Kg	06/17/14	JLI	SW8260
Acrylonitrile	ND	11	ug/Kg	06/17/14	JLI	SW8260
Benzene	ND	11	ug/Kg	06/17/14	JLI	SW8260
Bromobenzene	ND	11	ug/Kg	06/17/14	JLI	SW8260
Bromochloromethane	ND	11	ug/Kg	06/17/14	JLI	SW8260
Bromodichloromethane	ND	11	ug/Kg	06/17/14	JLI	SW8260
Bromoform	ND	11	ug/Kg	06/17/14	JLI	SW8260
Bromomethane	ND	11	ug/Kg	06/17/14	JLI	SW8260
Carbon Disulfide	ND	30	ug/Kg	06/17/14	JLI	SW8260
Carbon tetrachloride	ND	11	ug/Kg	06/17/14	JLI	SW8260
Chlorobenzene	ND	11	ug/Kg	06/17/14	JLI	SW8260
Chloroethane	ND	11	ug/Kg	06/17/14	JLI	SW8260
Chloroform	ND	11	ug/Kg	06/17/14	JLI	SW8260
Chloromethane	ND	11	ug/Kg	06/17/14	JLI	SW8260
cis-1,2-Dichloroethene	ND	11	ug/Kg	06/17/14	JLI	SW8260
cis-1,3-Dichloropropene	ND	11	ug/Kg	06/17/14	JLI	SW8260
Dibromochloromethane	ND	6.6	ug/Kg	06/17/14	JLI	SW8260
Dibromomethane	ND	11	ug/Kg	06/17/14	JLI	SW8260
Dichlorodifluoromethane	ND	11	ug/Kg	06/17/14	JLI	SW8260
Ethylbenzene	ND	11	ug/Kg	06/17/14	JLI	SW8260
Hexachlorobutadiene	ND	11	ug/Kg	06/17/14	JLI	SW8260
Isopropylbenzene	ND	11	ug/Kg	06/17/14	JLI	SW8260
m&p-Xylene	ND	11	ug/Kg	06/17/14	JLI	SW8260
Methyl Ethyl Ketone	ND	66	ug/Kg	06/17/14	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND	22	ug/Kg	06/17/14	JLI	SW8260

1

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Methylene chloride	ND	11	ug/Kg	06/17/14	JLI	SW8260
Naphthalene	ND	11	ug/Kg	06/17/14	JLI	SW8260
n-Butylbenzene	ND	11	ug/Kg	06/17/14	JLI	SW8260
n-Propylbenzene	ND	11	ug/Kg	06/17/14	JLI	SW8260
o-Xylene	ND	11	ug/Kg	06/17/14	JLI	SW8260
p-Isopropyltoluene	ND	11	ug/Kg	06/17/14	JLI	SW8260
sec-Butylbenzene	ND	11	ug/Kg	06/17/14	JLI	SW8260
Styrene	ND	11	ug/Kg	06/17/14	JLI	SW8260
tert-Butylbenzene	ND	11	ug/Kg	06/17/14	JLI	SW8260
Tetrachloroethene	ND	11	ug/Kg	06/17/14	JLI	SW8260
Tetrahydrofuran (THF)	ND	22	ug/Kg	06/17/14	JLI	SW8260
Toluene	ND	11	ug/Kg	06/17/14	JLI	SW8260
Total Xylenes	ND	11	ug/Kg	06/17/14	JLI	SW8260
trans-1,2-Dichloroethene	ND	11	ug/Kg	06/17/14	JLI	SW8260
trans-1,3-Dichloropropene	ND	11	ug/Kg	06/17/14	JLI	SW8260
trans-1,4-dichloro-2-butene	ND	22	ug/Kg	06/17/14	JLI	SW8260
Trichloroethene	ND	11	ug/Kg	06/17/14	JLI	SW8260
Trichlorofluoromethane	ND	11	ug/Kg	06/17/14	JLI	SW8260
Trichlorotrifluoroethane	ND	11	ug/Kg	06/17/14	JLI	SW8260
Vinyl chloride	ND	11	ug/Kg	06/17/14	JLI	SW8260
<u>QA/QC Surrogates</u>						
% 1,2-dichlorobenzene-d4	99		%	06/17/14	JLI	70 - 130 %
% Bromofluorobenzene	95		%	06/17/14	JLI	70 - 130 %
% Dibromofluoromethane	94		%	06/17/14	JLI	70 - 130 %
% Toluene-d8	94		%	06/17/14	JLI	70 - 130 %
<u>Semivolatiles</u>						
1,2,4,5-Tetrachlorobenzene	ND	300	ug/Kg	06/11/14	DD	SW 8270
1,2,4-Trichlorobenzene	ND	300	ug/Kg	06/11/14	DD	SW 8270
1,2-Dichlorobenzene	ND	300	ug/Kg	06/11/14	DD	SW 8270
1,2-Diphenylhydrazine	ND	420	ug/Kg	06/11/14	DD	SW 8270
1,3-Dichlorobenzene	ND	300	ug/Kg	06/11/14	DD	SW 8270
1,4-Dichlorobenzene	ND	300	ug/Kg	06/11/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	300	ug/Kg	06/11/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	300	ug/Kg	06/11/14	DD	SW 8270
2,4-Dichlorophenol	ND	300	ug/Kg	06/11/14	DD	SW 8270
2,4-Dimethylphenol	ND	300	ug/Kg	06/11/14	DD	SW 8270
2,4-Dinitrophenol	ND	680	ug/Kg	06/11/14	DD	SW 8270
2,4-Dinitrotoluene	ND	300	ug/Kg	06/11/14	DD	SW 8270
2,6-Dinitrotoluene	ND	300	ug/Kg	06/11/14	DD	SW 8270
2-Chloronaphthalene	ND	300	ug/Kg	06/11/14	DD	SW 8270
2-Chlorophenol	ND	300	ug/Kg	06/11/14	DD	SW 8270
2-Methylnaphthalene	ND	300	ug/Kg	06/11/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	300	ug/Kg	06/11/14	DD	SW 8270
2-Nitroaniline	ND	680	ug/Kg	06/11/14	DD	SW 8270
2-Nitrophenol	ND	300	ug/Kg	06/11/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	420	ug/Kg	06/11/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	300	ug/Kg	06/11/14	DD	SW 8270
3-Nitroaniline	ND	680	ug/Kg	06/11/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1200	ug/Kg	06/11/14	DD	SW 8270

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
4-Bromophenyl phenyl ether	ND	420	ug/Kg	06/11/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	300	ug/Kg	06/11/14	DD	SW 8270
4-Chloroaniline	ND	300	ug/Kg	06/11/14	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	300	ug/Kg	06/11/14	DD	SW 8270
4-Nitroaniline	ND	680	ug/Kg	06/11/14	DD	SW 8270
4-Nitrophenol	ND	1200	ug/Kg	06/11/14	DD	SW 8270
Acenaphthene	ND	300	ug/Kg	06/11/14	DD	SW 8270
Acenaphthylene	ND	300	ug/Kg	06/11/14	DD	SW 8270
Acetophenone	ND	300	ug/Kg	06/11/14	DD	SW 8270
Aniline	ND	1200	ug/Kg	06/11/14	DD	SW 8270
Anthracene	ND	300	ug/Kg	06/11/14	DD	SW 8270
Benz(a)anthracene	ND	300	ug/Kg	06/11/14	DD	SW 8270
Benzidine	ND	510	ug/Kg	06/11/14	DD	SW 8270
Benzo(a)pyrene	ND	300	ug/Kg	06/11/14	DD	SW 8270
Benzo(b)fluoranthene	ND	300	ug/Kg	06/11/14	DD	SW 8270
Benzo(ghi)perylene	ND	300	ug/Kg	06/11/14	DD	SW 8270
Benzo(k)fluoranthene	ND	300	ug/Kg	06/11/14	DD	SW 8270
Benzoic acid	ND	1200	ug/Kg	06/11/14	DD	SW 8270 1
Benzyl butyl phthalate	ND	300	ug/Kg	06/11/14	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	300	ug/Kg	06/11/14	DD	SW 8270
Bis(2-chloroethyl)ether	ND	420	ug/Kg	06/11/14	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	300	ug/Kg	06/11/14	DD	SW 8270 1
Bis(2-ethylhexyl)phthalate	ND	300	ug/Kg	06/11/14	DD	SW 8270
Carbazole	ND	630	ug/Kg	06/11/14	DD	SW 8270
Chrysene	ND	300	ug/Kg	06/11/14	DD	SW 8270
Dibenz(a,h)anthracene	ND	300	ug/Kg	06/11/14	DD	SW 8270
Dibenzofuran	ND	300	ug/Kg	06/11/14	DD	SW 8270
Diethyl phthalate	ND	300	ug/Kg	06/11/14	DD	SW 8270
Dimethylphthalate	ND	300	ug/Kg	06/11/14	DD	SW 8270
Di-n-butylphthalate	ND	300	ug/Kg	06/11/14	DD	SW 8270
Di-n-octylphthalate	ND	300	ug/Kg	06/11/14	DD	SW 8270
Fluoranthene	ND	300	ug/Kg	06/11/14	DD	SW 8270
Fluorene	ND	300	ug/Kg	06/11/14	DD	SW 8270
Hexachlorobenzene	ND	300	ug/Kg	06/11/14	DD	SW 8270
Hexachlorobutadiene	ND	300	ug/Kg	06/11/14	DD	SW 8270
Hexachlorocyclopentadiene	ND	300	ug/Kg	06/11/14	DD	SW 8270
Hexachloroethane	ND	300	ug/Kg	06/11/14	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	300	ug/Kg	06/11/14	DD	SW 8270
Isophorone	ND	300	ug/Kg	06/11/14	DD	SW 8270
Naphthalene	ND	300	ug/Kg	06/11/14	DD	SW 8270
Nitrobenzene	ND	300	ug/Kg	06/11/14	DD	SW 8270
N-Nitrosodimethylamine	ND	420	ug/Kg	06/11/14	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	300	ug/Kg	06/11/14	DD	SW 8270
N-Nitrosodiphenylamine	ND	420	ug/Kg	06/11/14	DD	SW 8270
Pentachloronitrobenzene	ND	420	ug/Kg	06/11/14	DD	SW 8270
Pentachlorophenol	ND	420	ug/Kg	06/11/14	DD	SW 8270
Phenanthrene	ND	300	ug/Kg	06/11/14	DD	SW 8270
Phenol	ND	300	ug/Kg	06/11/14	DD	SW 8270
Pyrene	ND	300	ug/Kg	06/11/14	DD	SW 8270

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Pyridine	ND	420	ug/Kg	06/11/14	DD	SW 8270
<u>QA/QC Surrogates</u>						
% 2,4,6-Tribromophenol	114		%	06/11/14	DD	30 - 130 %
% 2-Fluorobiphenyl	75		%	06/11/14	DD	30 - 130 %
% 2-Fluorophenol	93		%	06/11/14	DD	30 - 130 %
% Nitrobenzene-d5	89		%	06/11/14	DD	30 - 130 %
% Phenol-d5	95		%	06/11/14	DD	30 - 130 %
% Terphenyl-d14	90		%	06/11/14	DD	30 - 130 %

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

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

Comments:

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

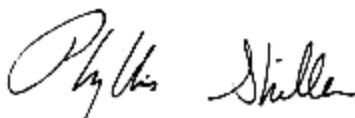
Please be advised that the NY unrestricted soil criteria for chromium is based on hexavalent chromium and trivalent chromium.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
 This sample is in a reducing state.

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

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



Phyllis Shiller, Laboratory Director

June 20, 2014

Reviewed and Released by: Bobbi Aloisa, Vice President



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

Analysis Report

June 20, 2014

FOR: Attn: Mr Luis Lasanta
 Galli Engineering, P.C.
 35 Pinelawn Road Suite 209E
 Melville, NY 11747

Sample Information

Matrix: SOLID
 Location Code: GALLI-ENG
 Rush Request: Standard
 P.O.#:

Custody Information

Collected by:
 Received by: SW
 Analyzed by: see "By" below

Date

06/09/14
 06/10/14

Time

10:30
 17:20

Laboratory Data

SDG ID: BGB55233
 Phoenix ID: BG55235

Project ID: LARCHMONT
 Client ID: WC-3 (10-15 FT)

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Silver	< 0.43	0.43	mg/Kg	06/11/14	LK	SW6010
Aluminum	17300	65	mg/Kg	06/11/14	LK	SW6010
Arsenic	4.7	0.9	mg/Kg	06/11/14	LK	SW6010
Barium	149	0.43	mg/Kg	06/11/14	LK	SW6010
Beryllium	1.13	0.35	mg/Kg	06/11/14	LK	SW6010
Calcium	3250	6.5	mg/Kg	06/11/14	LK	SW6010
Cadmium	< 0.43	0.43	mg/Kg	06/11/14	LK	SW6010
Cobalt	14.9	0.43	mg/Kg	06/11/14	LK	SW6010
Chromium	40.0	0.43	mg/Kg	06/11/14	LK	SW6010
Copper	39.8	0.43	mg/kg	06/11/14	LK	SW6010
Iron	40300	65	mg/Kg	06/11/14	LK	SW6010
Mercury	< 0.08	0.08	mg/Kg	06/11/14	RS	SW-7471
Potassium	2470	6.5	mg/Kg	06/12/14	LK	SW6010
Magnesium	6210	6.5	mg/Kg	06/11/14	LK	SW6010
Manganese	239	4.3	mg/Kg	06/11/14	LK	SW6010
Sodium	178	6.5	mg/Kg	06/12/14	LK	SW6010
Nickel	24.1	0.43	mg/Kg	06/11/14	LK	SW6010
Lead	10.3	0.43	mg/Kg	06/11/14	LK	SW6010
Antimony	< 4.3	4.3	mg/Kg	06/11/14	LK	SW6010
Selenium	< 1.7	1.7	mg/Kg	06/11/14	LK	SW6010
TCLP Silver	< 0.10	0.10	mg/L	06/11/14	EK	SW6010
TCLP Arsenic	< 0.10	0.10	mg/L	06/11/14	EK	SW6010
TCLP Barium	0.81	0.10	mg/L	06/11/14	EK	SW6010
TCLP Cadmium	< 0.050	0.050	mg/L	06/11/14	EK	SW6010
TCLP Chromium	< 0.10	0.10	mg/L	06/11/14	EK	SW6010
TCLP Mercury	< 0.0002	0.0002	mg/L	06/11/14	RS	SW7470
TCLP Lead	< 0.10	0.10	mg/L	06/11/14	EK	SW6010
TCLP Selenium	< 0.10	0.10	mg/L	06/11/14	EK	SW6010

B

B

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Thallium	< 3.9	3.9	mg/Kg	06/11/14	LK	SW6010
TCLP Metals Digestion	Completed			06/11/14	I/I	SW3005
Vanadium	62.9	0.43	mg/Kg	06/11/14	LK	SW6010
Zinc	53.5	0.43	mg/Kg	06/11/14	LK	SW6010
Percent Solid	72		%	06/10/14	I	E160.3
Corrosivity	Negative		Pos/Neg	06/10/14	DH/KDB	SW846 1
Flash Point	>200	200	degree F	06/11/14	I	SW1010
Chromium, Hexavalent	< 0.56	0.56	mg/Kg	06/11/14 06:30	KDB	SW3060/7196
Ignitability	Passed	140	degree F	06/11/14	I	SW1030 10
pH - Soil	7.48	0.10	pH Units	06/10/14 19:45	DH/KDB	4500-H B/9045 1
Reactivity Cyanide	< 6.8	6.8	mg/Kg	06/11/14	GD	SW 846-7.3 1
Reactivity Sulfide	< 20	20	mg/Kg	06/11/14	GD	SW846-7.3 1
Reactivity	Negative		Pos/Neg	06/11/14	GD	SW 846-7.3 1
Redox Potential	19	1.0	mV	06/10/14	DH/KDB	SM2580B 1
Total Cyanide	3.04	0.69	mg/Kg	06/10/14	O/GD	SW 9010/9012
Soil Extraction for PCB	Completed			06/10/14	JB/V	SW3545
Soil Extraction for Pesticide	Completed			06/10/14	JB	SW3545
Soil Extraction for SVOA	Completed			06/10/14	JJ/FV	SW3545
Mercury Digestion	Completed			06/11/14	I/I	SW7471
TCLP Digestion Mercury	Completed			06/11/14	I/I	E1311/7470
TCLP Herbicides Extraction	Completed			06/11/14	W/D	SW8150 Mod
TCLP Extraction for Metals	Completed			06/10/14	I	EPA 1311
TCLP Extraction for Organics	Completed			06/10/14	I	1311
TCLP Pesticides Extraction	Completed			06/11/14	W/W	SW3510
TCLP Semi-Volatile Extraction	Completed			06/11/14	W/W	SW3510
TCLP Extraction Volatiles	Completed			06/10/14	Y	EPA 1311
Total Metals Digest	Completed			06/10/14	CB/AG	SW846 - 3050
Field Extraction	Completed			06/09/14		SW5035

Polychlorinated Biphenyls

PCB-1016	ND	90	ug/Kg	06/11/14	AW	SW 8082
PCB-1221	ND	90	ug/Kg	06/11/14	AW	SW 8082
PCB-1232	ND	90	ug/Kg	06/11/14	AW	SW 8082
PCB-1242	ND	90	ug/Kg	06/11/14	AW	SW 8082
PCB-1248	ND	90	ug/Kg	06/11/14	AW	SW 8082
PCB-1254	ND	90	ug/Kg	06/11/14	AW	SW 8082
PCB-1260	ND	90	ug/Kg	06/11/14	AW	SW 8082
PCB-1262	ND	90	ug/Kg	06/11/14	AW	SW 8082
PCB-1268	ND	90	ug/Kg	06/11/14	AW	SW 8082

QA/QC Surrogates

% DCBP	124		%	06/11/14	AW	30 - 150 %
% TCMX	111		%	06/11/14	AW	30 - 150 %

Pesticides

4,4' -DDD	ND	2.7	ug/Kg	06/11/14	CE	SW8081
4,4' -DDE	ND	2.7	ug/Kg	06/11/14	CE	SW8081
4,4' -DDT	ND	2.7	ug/Kg	06/11/14	CE	SW8081
a-BHC	ND	4.3	ug/Kg	06/11/14	CE	SW8081
Alachlor	ND	4.3	ug/Kg	06/11/14	CE	SW8081 1
Aldrin	ND	1.3	ug/Kg	06/11/14	CE	SW8081

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
b-BHC	ND	4.3	ug/Kg	06/11/14	CE	SW8081
Chlordane	ND	13	ug/Kg	06/11/14	CE	SW8081
d-BHC	ND	4.3	ug/Kg	06/11/14	CE	SW8081
Dieldrin	ND	1.3	ug/Kg	06/11/14	CE	SW8081
Endosulfan I	ND	4.3	ug/Kg	06/11/14	CE	SW8081
Endosulfan II	ND	8.6	ug/Kg	06/11/14	CE	SW8081
Endosulfan sulfate	ND	8.6	ug/Kg	06/11/14	CE	SW8081
Endrin	ND	8.6	ug/Kg	06/11/14	CE	SW8081
Endrin aldehyde	ND	8.6	ug/Kg	06/11/14	CE	SW8081
Endrin ketone	ND	8.6	ug/Kg	06/11/14	CE	SW8081
g-BHC	ND	1.3	ug/Kg	06/11/14	CE	SW8081
Heptachlor	ND	2.7	ug/Kg	06/11/14	CE	SW8081
Heptachlor epoxide	ND	4.3	ug/Kg	06/11/14	CE	SW8081
Methoxychlor	ND	43	ug/Kg	06/11/14	CE	SW8081
Toxaphene	ND	220	ug/Kg	06/11/14	CE	SW8081
<u>QA/QC Surrogates</u>						
% DCBP	86		%	06/11/14	CE	30 - 150 %
% TCMX	103		%	06/11/14	CE	30 - 150 %
<u>TCLP Herbicides</u>						
2,4,5-TP (Silvex)	ND	4.2	ug/L	06/12/14	BB	SW8151
2,4-D	ND	4.2	ug/L	06/12/14	BB	SW8151
<u>QA/QC Surrogates</u>						
% DCAA	72		%	06/12/14	BB	30 - 150 %
<u>TCLP Pesticides</u>						
4,4' -DDD	ND	1.0	ug/L	06/11/14	CE	SW 8081
4,4' -DDE	ND	1.0	ug/L	06/11/14	CE	SW 8081
4,4' -DDT	ND	1.0	ug/L	06/11/14	CE	SW 8081
a-BHC	ND	0.50	ug/L	06/11/14	CE	SW 8081
Alachlor	ND	0.50	ug/L	06/11/14	CE	SW 8081
Aldrin	ND	0.50	ug/L	06/11/14	CE	SW 8081
b-BHC	ND	0.50	ug/L	06/11/14	CE	SW 8081
Chlordane	ND	3.0	ug/L	06/11/14	CE	SW 8081
d-BHC	ND	0.50	ug/L	06/11/14	CE	SW 8081
Dieldrin	ND	1.0	ug/L	06/11/14	CE	SW 8081
Endosulfan I	ND	0.50	ug/L	06/11/14	CE	SW 8081
Endosulfan II	ND	1.0	ug/L	06/11/14	CE	SW 8081
Endosulfan Sulfate	ND	1.0	ug/L	06/11/14	CE	SW 8081
Endrin	ND	1.0	ug/L	06/11/14	CE	SW 8081
Endrin Aldehyde	ND	1.0	ug/L	06/11/14	CE	SW 8081
g-BHC (Lindane)	ND	0.50	ug/L	06/11/14	CE	SW 8081
Heptachlor	ND	0.50	ug/L	06/11/14	CE	SW 8081
Heptachlor epoxide	ND	0.50	ug/L	06/11/14	CE	SW 8081
Methoxychlor	ND	2.0	ug/L	06/11/14	CE	SW 8081
Toxaphene	ND	10.0	ug/L	06/11/14	CE	SW 8081
<u>QA/QC Surrogates</u>						
%DCBP (Surrogate Rec)	91		%	06/11/14	CE	30 - 150 %
%TCMX (Surrogate Rec)	116		%	06/11/14	CE	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
<u>Volatiles</u>						
1,1,1,2-Tetrachloroethane	ND	14	ug/Kg	06/17/14	JLI	SW8260
1,1,1-Trichloroethane	ND	14	ug/Kg	06/17/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	8.3	ug/Kg	06/17/14	JLI	SW8260
1,1,2-Trichloroethane	ND	14	ug/Kg	06/17/14	JLI	SW8260
1,1-Dichloroethane	ND	14	ug/Kg	06/17/14	JLI	SW8260
1,1-Dichloroethene	ND	14	ug/Kg	06/17/14	JLI	SW8260
1,1-Dichloropropene	ND	14	ug/Kg	06/17/14	JLI	SW8260
1,2,3-Trichlorobenzene	ND	14	ug/Kg	06/17/14	JLI	SW8260
1,2,3-Trichloropropane	ND	14	ug/Kg	06/17/14	JLI	SW8260
1,2,4-Trichlorobenzene	ND	14	ug/Kg	06/17/14	JLI	SW8260
1,2,4-Trimethylbenzene	ND	14	ug/Kg	06/17/14	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND	14	ug/Kg	06/17/14	JLI	SW8260
1,2-Dibromoethane	ND	14	ug/Kg	06/17/14	JLI	SW8260
1,2-Dichlorobenzene	ND	14	ug/Kg	06/17/14	JLI	SW8260
1,2-Dichloroethane	ND	14	ug/Kg	06/17/14	JLI	SW8260
1,2-Dichloropropane	ND	14	ug/Kg	06/17/14	JLI	SW8260
1,3,5-Trimethylbenzene	ND	14	ug/Kg	06/17/14	JLI	SW8260
1,3-Dichlorobenzene	ND	14	ug/Kg	06/17/14	JLI	SW8260
1,3-Dichloropropane	ND	14	ug/Kg	06/17/14	JLI	SW8260
1,4-Dichlorobenzene	ND	14	ug/Kg	06/17/14	JLI	SW8260
2,2-Dichloropropane	ND	14	ug/Kg	06/17/14	JLI	SW8260
2-Chlorotoluene	ND	14	ug/Kg	06/17/14	JLI	SW8260
2-Hexanone	ND	69	ug/Kg	06/17/14	JLI	SW8260
2-Isopropyltoluene	ND	14	ug/Kg	06/17/14	JLI	SW8260
4-Chlorotoluene	ND	14	ug/Kg	06/17/14	JLI	SW8260
4-Methyl-2-pentanone	ND	69	ug/Kg	06/17/14	JLI	SW8260
Acetone	ND	50	ug/Kg	06/17/14	JLI	SW8260
Acrylonitrile	ND	14	ug/Kg	06/17/14	JLI	SW8260
Benzene	ND	14	ug/Kg	06/17/14	JLI	SW8260
Bromobenzene	ND	14	ug/Kg	06/17/14	JLI	SW8260
Bromochloromethane	ND	14	ug/Kg	06/17/14	JLI	SW8260
Bromodichloromethane	ND	14	ug/Kg	06/17/14	JLI	SW8260
Bromoform	ND	14	ug/Kg	06/17/14	JLI	SW8260
Bromomethane	ND	14	ug/Kg	06/17/14	JLI	SW8260
Carbon Disulfide	ND	14	ug/Kg	06/17/14	JLI	SW8260
Carbon tetrachloride	ND	14	ug/Kg	06/17/14	JLI	SW8260
Chlorobenzene	ND	14	ug/Kg	06/17/14	JLI	SW8260
Chloroethane	ND	14	ug/Kg	06/17/14	JLI	SW8260
Chloroform	ND	14	ug/Kg	06/17/14	JLI	SW8260
Chloromethane	ND	14	ug/Kg	06/17/14	JLI	SW8260
cis-1,2-Dichloroethene	ND	14	ug/Kg	06/17/14	JLI	SW8260
cis-1,3-Dichloropropene	ND	14	ug/Kg	06/17/14	JLI	SW8260
Dibromochloromethane	ND	8.3	ug/Kg	06/17/14	JLI	SW8260
Dibromomethane	ND	14	ug/Kg	06/17/14	JLI	SW8260
Dichlorodifluoromethane	ND	14	ug/Kg	06/17/14	JLI	SW8260
Ethylbenzene	ND	14	ug/Kg	06/17/14	JLI	SW8260
Hexachlorobutadiene	ND	14	ug/Kg	06/17/14	JLI	SW8260
Isopropylbenzene	ND	14	ug/Kg	06/17/14	JLI	SW8260

1

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
m&p-Xylene	ND	14	ug/Kg	06/17/14	JLI	SW8260
Methyl Ethyl Ketone	ND	83	ug/Kg	06/17/14	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND	28	ug/Kg	06/17/14	JLI	SW8260
Methylene chloride	ND	14	ug/Kg	06/17/14	JLI	SW8260
Naphthalene	ND	14	ug/Kg	06/17/14	JLI	SW8260
n-Butylbenzene	ND	14	ug/Kg	06/17/14	JLI	SW8260
n-Propylbenzene	ND	14	ug/Kg	06/17/14	JLI	SW8260
o-Xylene	ND	14	ug/Kg	06/17/14	JLI	SW8260
p-Isopropyltoluene	ND	14	ug/Kg	06/17/14	JLI	SW8260
sec-Butylbenzene	ND	14	ug/Kg	06/17/14	JLI	SW8260
Styrene	ND	14	ug/Kg	06/17/14	JLI	SW8260
tert-Butylbenzene	ND	14	ug/Kg	06/17/14	JLI	SW8260
Tetrachloroethene	ND	14	ug/Kg	06/17/14	JLI	SW8260
Tetrahydrofuran (THF)	ND	28	ug/Kg	06/17/14	JLI	SW8260
Toluene	ND	14	ug/Kg	06/17/14	JLI	SW8260
Total Xylenes	ND	14	ug/Kg	06/17/14	JLI	SW8260
trans-1,2-Dichloroethene	ND	14	ug/Kg	06/17/14	JLI	SW8260
trans-1,3-Dichloropropene	ND	14	ug/Kg	06/17/14	JLI	SW8260
trans-1,4-dichloro-2-butene	ND	28	ug/Kg	06/17/14	JLI	SW8260
Trichloroethene	ND	14	ug/Kg	06/17/14	JLI	SW8260
Trichlorofluoromethane	ND	14	ug/Kg	06/17/14	JLI	SW8260
Trichlorotrifluoroethane	ND	14	ug/Kg	06/17/14	JLI	SW8260
Vinyl chloride	ND	14	ug/Kg	06/17/14	JLI	SW8260
<u>QA/QC Surrogates</u>						
% 1,2-dichlorobenzene-d4	96		%	06/17/14	JLI	70 - 130 %
% Bromofluorobenzene	95		%	06/17/14	JLI	70 - 130 %
% Dibromofluoromethane	94		%	06/17/14	JLI	70 - 130 %
% Toluene-d8	93		%	06/17/14	JLI	70 - 130 %
<u>TCLP Volatiles</u>						
1,1-Dichloroethene	ND	10	ug/L	06/12/14	HM	SW8260
1,2-Dichloroethane	ND	10	ug/L	06/12/14	HM	SW8260
Benzene	ND	10	ug/L	06/12/14	HM	SW8260
Carbon tetrachloride	ND	10	ug/L	06/12/14	HM	SW8260
Chlorobenzene	ND	10	ug/L	06/12/14	HM	SW8260
Chloroform	ND	10	ug/L	06/12/14	HM	SW8260
Methyl ethyl ketone	ND	10	ug/L	06/12/14	HM	SW8260
Tetrachloroethene	ND	10	ug/L	06/12/14	HM	SW8260
Trichloroethene	ND	10	ug/L	06/12/14	HM	SW8260
Vinyl chloride	ND	10	ug/L	06/12/14	HM	SW8260
<u>QA/QC Surrogates</u>						
% 1,2-dichlorobenzene-d4	101		%	06/12/14	HM	70 - 130 %
% Bromofluorobenzene	96		%	06/12/14	HM	70 - 130 %
% Dibromofluoromethane	101		%	06/12/14	HM	70 - 130 %
% Toluene-d8	100		%	06/12/14	HM	70 - 130 %
<u>Semivolatiles</u>						
1,2,4,5-Tetrachlorobenzene	ND	320	ug/Kg	06/11/14	DD	SW 8270
1,2,4-Trichlorobenzene	ND	320	ug/Kg	06/11/14	DD	SW 8270
1,2-Dichlorobenzene	ND	320	ug/Kg	06/11/14	DD	SW 8270

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
1,2-Diphenylhydrazine	ND	460	ug/Kg	06/11/14	DD	SW 8270
1,3-Dichlorobenzene	ND	320	ug/Kg	06/11/14	DD	SW 8270
1,4-Dichlorobenzene	ND	320	ug/Kg	06/11/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	320	ug/Kg	06/11/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	320	ug/Kg	06/11/14	DD	SW 8270
2,4-Dichlorophenol	ND	320	ug/Kg	06/11/14	DD	SW 8270
2,4-Dimethylphenol	ND	320	ug/Kg	06/11/14	DD	SW 8270
2,4-Dinitrophenol	ND	740	ug/Kg	06/11/14	DD	SW 8270
2,4-Dinitrotoluene	ND	320	ug/Kg	06/11/14	DD	SW 8270
2,6-Dinitrotoluene	ND	320	ug/Kg	06/11/14	DD	SW 8270
2-Chloronaphthalene	ND	320	ug/Kg	06/11/14	DD	SW 8270
2-Chlorophenol	ND	320	ug/Kg	06/11/14	DD	SW 8270
2-Methylnaphthalene	ND	320	ug/Kg	06/11/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	320	ug/Kg	06/11/14	DD	SW 8270
2-Nitroaniline	ND	740	ug/Kg	06/11/14	DD	SW 8270
2-Nitrophenol	ND	320	ug/Kg	06/11/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	460	ug/Kg	06/11/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	320	ug/Kg	06/11/14	DD	SW 8270
3-Nitroaniline	ND	740	ug/Kg	06/11/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1300	ug/Kg	06/11/14	DD	SW 8270
4-Bromophenyl phenyl ether	ND	460	ug/Kg	06/11/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	320	ug/Kg	06/11/14	DD	SW 8270
4-Chloroaniline	ND	320	ug/Kg	06/11/14	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	320	ug/Kg	06/11/14	DD	SW 8270
4-Nitroaniline	ND	740	ug/Kg	06/11/14	DD	SW 8270
4-Nitrophenol	ND	1300	ug/Kg	06/11/14	DD	SW 8270
Acenaphthene	ND	320	ug/Kg	06/11/14	DD	SW 8270
Acenaphthylene	ND	320	ug/Kg	06/11/14	DD	SW 8270
Acetophenone	ND	320	ug/Kg	06/11/14	DD	SW 8270
Aniline	ND	1300	ug/Kg	06/11/14	DD	SW 8270
Anthracene	ND	320	ug/Kg	06/11/14	DD	SW 8270
Benz(a)anthracene	ND	320	ug/Kg	06/11/14	DD	SW 8270
Benzidine	ND	550	ug/Kg	06/11/14	DD	SW 8270
Benzo(a)pyrene	ND	320	ug/Kg	06/11/14	DD	SW 8270
Benzo(b)fluoranthene	ND	320	ug/Kg	06/11/14	DD	SW 8270
Benzo(ghi)perylene	ND	320	ug/Kg	06/11/14	DD	SW 8270
Benzo(k)fluoranthene	ND	320	ug/Kg	06/11/14	DD	SW 8270
Benzoic acid	ND	1300	ug/Kg	06/11/14	DD	SW 8270
Benzyl butyl phthalate	ND	320	ug/Kg	06/11/14	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	320	ug/Kg	06/11/14	DD	SW 8270
Bis(2-chloroethyl)ether	ND	460	ug/Kg	06/11/14	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	320	ug/Kg	06/11/14	DD	SW 8270
Bis(2-ethylhexyl)phthalate	ND	320	ug/Kg	06/11/14	DD	SW 8270
Carbazole	ND	690	ug/Kg	06/11/14	DD	SW 8270
Chrysene	ND	320	ug/Kg	06/11/14	DD	SW 8270
Dibenz(a,h)anthracene	ND	320	ug/Kg	06/11/14	DD	SW 8270
Dibenzofuran	ND	320	ug/Kg	06/11/14	DD	SW 8270
Diethyl phthalate	ND	320	ug/Kg	06/11/14	DD	SW 8270
Dimethylphthalate	ND	320	ug/Kg	06/11/14	DD	SW 8270

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Di-n-butylphthalate	ND	320	ug/Kg	06/11/14	DD	SW 8270
Di-n-octylphthalate	ND	320	ug/Kg	06/11/14	DD	SW 8270
Fluoranthene	ND	320	ug/Kg	06/11/14	DD	SW 8270
Fluorene	ND	320	ug/Kg	06/11/14	DD	SW 8270
Hexachlorobenzene	ND	320	ug/Kg	06/11/14	DD	SW 8270
Hexachlorobutadiene	ND	320	ug/Kg	06/11/14	DD	SW 8270
Hexachlorocyclopentadiene	ND	320	ug/Kg	06/11/14	DD	SW 8270
Hexachloroethane	ND	320	ug/Kg	06/11/14	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	320	ug/Kg	06/11/14	DD	SW 8270
Isophorone	ND	320	ug/Kg	06/11/14	DD	SW 8270
Naphthalene	ND	320	ug/Kg	06/11/14	DD	SW 8270
Nitrobenzene	ND	320	ug/Kg	06/11/14	DD	SW 8270
N-Nitrosodimethylamine	ND	460	ug/Kg	06/11/14	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	320	ug/Kg	06/11/14	DD	SW 8270
N-Nitrosodiphenylamine	ND	460	ug/Kg	06/11/14	DD	SW 8270
Pentachloronitrobenzene	ND	460	ug/Kg	06/11/14	DD	SW 8270
Pentachlorophenol	ND	460	ug/Kg	06/11/14	DD	SW 8270
Phenanthrene	ND	320	ug/Kg	06/11/14	DD	SW 8270
Phenol	ND	320	ug/Kg	06/11/14	DD	SW 8270
Pyrene	ND	320	ug/Kg	06/11/14	DD	SW 8270
Pyridine	ND	460	ug/Kg	06/11/14	DD	SW 8270
<u>QA/QC Surrogates</u>						
% 2,4,6-Tribromophenol	112		%	06/11/14	DD	30 - 130 %
% 2-Fluorobiphenyl	60		%	06/11/14	DD	30 - 130 %
% 2-Fluorophenol	88		%	06/11/14	DD	30 - 130 %
% Nitrobenzene-d5	84		%	06/11/14	DD	30 - 130 %
% Phenol-d5	91		%	06/11/14	DD	30 - 130 %
% Terphenyl-d14	90		%	06/11/14	DD	30 - 130 %
<u>TCLP Acid/Base-Neutral</u>						
1,4-Dichlorobenzene	ND	83	ug/L	06/11/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	83	ug/L	06/11/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	83	ug/L	06/11/14	DD	SW 8270
2,4-Dinitrotoluene	ND	83	ug/L	06/11/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	83	ug/L	06/11/14	DD	SW 8270
3&4-Methylphenol (m&p-Cresol)	ND	83	ug/L	06/11/14	DD	SW 8270
Hexachlorobenzene	ND	83	ug/L	06/11/14	DD	SW 8270
Hexachlorobutadiene	ND	83	ug/L	06/11/14	DD	SW 8270
Hexachloroethane	ND	83	ug/L	06/11/14	DD	SW 8270
Nitrobenzene	ND	83	ug/L	06/11/14	DD	SW 8270
Pentachlorophenol	ND	83	ug/L	06/11/14	DD	SW 8270
Pyridine	ND	83	ug/L	06/11/14	DD	SW 8270
<u>QA/QC Surrogates</u>						
% 2,4,6-Tribromophenol	70		%	06/11/14	DD	15 - 110 %
% 2-Fluorobiphenyl	76		%	06/11/14	DD	30 - 130 %
% 2-Fluorophenol	62		%	06/11/14	DD	15 - 110 %
% Nitrobenzene-d5	69		%	06/11/14	DD	30 - 130 %
% Phenol-d5	51		%	06/11/14	DD	15 - 110 %
% Terphenyl-d14	88		%	06/11/14	DD	30 - 130 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
10 = This parameter is not certified by NY NELAC for this matrix.
B = Present in blank, no bias suspected.

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

Comments:

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

Corrosivity is based solely on the pH analysis performed above.

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

Ignitability is based solely on the results of the closed cup flashpoint analysis performed above. Passed is >140 degree F.

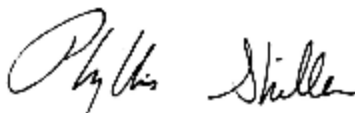
The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Cyanide and Reactive Sulfide. This method is no longer listed in the current version of SW-846.

Hexavalent Chromium:
This sample is in a reducing state.

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

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

June 20, 2014

Reviewed and Released by: Bobbi Aloisa, Vice President



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

Analysis Report

June 20, 2014

FOR: Attn: Mr Luis Lasanta
 Galli Engineering, P.C.
 35 Pinelawn Road Suite 209E
 Melville, NY 11747

Sample Information

Matrix: SOLID
 Location Code: GALLI-ENG
 Rush Request: Standard
 P.O.#:

Custody Information

Collected by:
 Received by: SW
 Analyzed by: see "By" below

Date

06/09/14
 06/10/14

Time

11:30
 17:20

Laboratory Data

SDG ID: BGB55233
 Phoenix ID: BG55236

Project ID: LARCHMONT
 Client ID: WC-4 (5-8 FT)

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Silver	< 0.45	0.45	mg/Kg	06/11/14	LK	SW6010
Aluminum	36100	670	mg/Kg	06/12/14	LK	SW6010
Arsenic	< 0.9	0.9	mg/Kg	06/11/14	LK	SW6010
Barium	265	0.45	mg/Kg	06/11/14	LK	SW6010
Beryllium	0.71	0.36	mg/Kg	06/11/14	LK	SW6010
Calcium	919	6.7	mg/Kg	06/11/14	LK	SW6010
Cadmium	< 0.45	0.45	mg/Kg	06/11/14	LK	SW6010
Cobalt	24.5	0.45	mg/Kg	06/11/14	LK	SW6010
Chromium	84.2	0.45	mg/Kg	06/11/14	LK	SW6010
Copper	51.3	0.45	mg/kg	06/11/14	LK	SW6010
Iron	54700	67	mg/Kg	06/11/14	LK	SW6010
Mercury	< 0.09	0.09	mg/Kg	06/11/14	RS	SW-7471
Potassium	17900	67	mg/Kg	06/12/14	LK	SW6010
Magnesium	15200	67	mg/Kg	06/11/14	LK	SW6010
Manganese	488	4.5	mg/Kg	06/11/14	LK	SW6010
Sodium	335	6.7	mg/Kg	06/12/14	LK	SW6010
Nickel	45.5	0.45	mg/Kg	06/11/14	LK	SW6010
Lead	5.40	0.45	mg/Kg	06/11/14	LK	SW6010
Antimony	< 4.5	4.5	mg/Kg	06/11/14	LK	SW6010
Selenium	< 1.8	1.8	mg/Kg	06/11/14	LK	SW6010
TCLP Silver	< 0.10	0.10	mg/L	06/11/14	EK	SW6010
TCLP Arsenic	< 0.10	0.10	mg/L	06/11/14	EK	SW6010
TCLP Barium	0.65	0.10	mg/L	06/11/14	EK	SW6010
TCLP Cadmium	< 0.050	0.050	mg/L	06/11/14	EK	SW6010
TCLP Chromium	< 0.10	0.10	mg/L	06/11/14	EK	SW6010
TCLP Mercury	< 0.0002	0.0002	mg/L	06/11/14	RS	SW7470
TCLP Lead	< 0.10	0.10	mg/L	06/11/14	EK	SW6010
TCLP Selenium	< 0.10	0.10	mg/L	06/11/14	EK	SW6010

B

B

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Thallium	< 4.0	4.0	mg/Kg	06/11/14	LK	SW6010
TCLP Metals Digestion	Completed			06/11/14	I/I	SW3005
Vanadium	93.4	0.45	mg/Kg	06/11/14	LK	SW6010
Zinc	107	0.45	mg/Kg	06/11/14	LK	SW6010
Percent Solid	78		%	06/10/14	I	E160.3
Corrosivity	Negative		Pos/Neg	06/10/14	DH/KDB	SW846 1
Flash Point	>200	200	degree F	06/11/14	I	SW1010
Chromium, Hexavalent	< 0.51	0.51	mg/Kg	06/11/14 06:30	KDB	SW3060/7196
Ignitability	Passed	140	degree F	06/11/14	I	SW1030 10
pH - Soil	6.67	0.10	pH Units	06/10/14 19:45	DH/KDB	4500-H B/9045 1
Reactivity Cyanide	< 6.0	6.0	mg/Kg	06/11/14	GD	SW 846-7.3 1
Reactivity Sulfide	< 20	20	mg/Kg	06/11/14	GD	SW846-7.3 1
Reactivity	Negative		Pos/Neg	06/11/14	GD	SW 846-7.3 1
Redox Potential	23	1.0	mV	06/10/14	DH/KDB	SM2580B 1
Total Cyanide	< 0.64	0.64	mg/Kg	06/10/14	O/GD	SW 9010/9012
Soil Extraction for PCB	Completed			06/10/14	JB/V	SW3545
Soil Extraction for Pesticide	Completed			06/10/14	JB	SW3545
Soil Extraction for SVOA	Completed			06/10/14	JJ/FV	SW3545
Mercury Digestion	Completed			06/11/14	I/I	SW7471
TCLP Digestion Mercury	Completed			06/11/14	I/I	E1311/7470
TCLP Herbicides Extraction	Completed			06/11/14	W/D	SW8150 Mod
TCLP Extraction for Metals	Completed			06/10/14	I	EPA 1311
TCLP Extraction for Organics	Completed			06/10/14	I	1311
TCLP Pesticides Extraction	Completed			06/11/14	W/W	SW3510
TCLP Semi-Volatile Extraction	Completed			06/11/14	W/W	SW3510
TCLP Extraction Volatiles	Completed			06/10/14	Y	EPA 1311
Total Metals Digest	Completed			06/10/14	CB/AG	SW846 - 3050
Field Extraction	Completed			06/09/14		SW5035

Polychlorinated Biphenyls

PCB-1016	ND	83	ug/Kg	06/11/14	AW	SW 8082
PCB-1221	ND	83	ug/Kg	06/11/14	AW	SW 8082
PCB-1232	ND	83	ug/Kg	06/11/14	AW	SW 8082
PCB-1242	ND	83	ug/Kg	06/11/14	AW	SW 8082
PCB-1248	ND	83	ug/Kg	06/11/14	AW	SW 8082
PCB-1254	ND	83	ug/Kg	06/11/14	AW	SW 8082
PCB-1260	ND	83	ug/Kg	06/11/14	AW	SW 8082
PCB-1262	ND	83	ug/Kg	06/11/14	AW	SW 8082
PCB-1268	ND	83	ug/Kg	06/11/14	AW	SW 8082

QA/QC Surrogates

% DCBP	116		%	06/11/14	AW	30 - 150 %
% TCMX	107		%	06/11/14	AW	30 - 150 %

Pesticides

4,4' -DDD	ND	2.5	ug/Kg	06/11/14	CE	SW8081
4,4' -DDE	ND	2.5	ug/Kg	06/11/14	CE	SW8081
4,4' -DDT	ND	2.5	ug/Kg	06/11/14	CE	SW8081
a-BHC	ND	4.0	ug/Kg	06/11/14	CE	SW8081
Alachlor	ND	4.0	ug/Kg	06/11/14	CE	SW8081 1
Aldrin	ND	1.2	ug/Kg	06/11/14	CE	SW8081

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
b-BHC	ND	4.0	ug/Kg	06/11/14	CE	SW8081
Chlordane	ND	12	ug/Kg	06/11/14	CE	SW8081
d-BHC	ND	4.0	ug/Kg	06/11/14	CE	SW8081
Dieldrin	ND	1.2	ug/Kg	06/11/14	CE	SW8081
Endosulfan I	ND	4.0	ug/Kg	06/11/14	CE	SW8081
Endosulfan II	ND	8.0	ug/Kg	06/11/14	CE	SW8081
Endosulfan sulfate	ND	8.0	ug/Kg	06/11/14	CE	SW8081
Endrin	ND	8.0	ug/Kg	06/11/14	CE	SW8081
Endrin aldehyde	ND	8.0	ug/Kg	06/11/14	CE	SW8081
Endrin ketone	ND	8.0	ug/Kg	06/11/14	CE	SW8081
g-BHC	ND	1.2	ug/Kg	06/11/14	CE	SW8081
Heptachlor	ND	2.5	ug/Kg	06/11/14	CE	SW8081
Heptachlor epoxide	ND	4.0	ug/Kg	06/11/14	CE	SW8081
Methoxychlor	ND	40	ug/Kg	06/11/14	CE	SW8081
Toxaphene	ND	210	ug/Kg	06/11/14	CE	SW8081
<u>QA/QC Surrogates</u>						
% DCBP	82		%	06/11/14	CE	30 - 150 %
% TCMX	95		%	06/11/14	CE	30 - 150 %
<u>TCLP Herbicides</u>						
2,4,5-TP (Silvex)	ND	4.2	ug/L	06/12/14	BB	SW8151
2,4-D	ND	4.2	ug/L	06/12/14	BB	SW8151
<u>QA/QC Surrogates</u>						
% DCAA	78		%	06/12/14	BB	30 - 150 %
<u>TCLP Pesticides</u>						
4,4' -DDD	ND	1.0	ug/L	06/11/14	CE	SW 8081
4,4' -DDE	ND	1.0	ug/L	06/11/14	CE	SW 8081
4,4' -DDT	ND	1.0	ug/L	06/11/14	CE	SW 8081
a-BHC	ND	0.50	ug/L	06/11/14	CE	SW 8081
Alachlor	ND	0.50	ug/L	06/11/14	CE	SW 8081
Aldrin	ND	0.50	ug/L	06/11/14	CE	SW 8081
b-BHC	ND	0.50	ug/L	06/11/14	CE	SW 8081
Chlordane	ND	3.0	ug/L	06/11/14	CE	SW 8081
d-BHC	ND	0.50	ug/L	06/11/14	CE	SW 8081
Dieldrin	ND	1.0	ug/L	06/11/14	CE	SW 8081
Endosulfan I	ND	0.50	ug/L	06/11/14	CE	SW 8081
Endosulfan II	ND	1.0	ug/L	06/11/14	CE	SW 8081
Endosulfan Sulfate	ND	1.0	ug/L	06/11/14	CE	SW 8081
Endrin	ND	1.0	ug/L	06/11/14	CE	SW 8081
Endrin Aldehyde	ND	1.0	ug/L	06/11/14	CE	SW 8081
g-BHC (Lindane)	ND	0.50	ug/L	06/11/14	CE	SW 8081
Heptachlor	ND	0.50	ug/L	06/11/14	CE	SW 8081
Heptachlor epoxide	ND	0.50	ug/L	06/11/14	CE	SW 8081
Methoxychlor	ND	2.0	ug/L	06/11/14	CE	SW 8081
Toxaphene	ND	10.0	ug/L	06/11/14	CE	SW 8081
<u>QA/QC Surrogates</u>						
%DCBP (Surrogate Rec)	102		%	06/11/14	CE	30 - 150 %
%TCMX (Surrogate Rec)	112		%	06/11/14	CE	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
<u>Volatiles</u>						
1,1,1,2-Tetrachloroethane	ND	16	ug/Kg	06/17/14	JLI	SW8260
1,1,1-Trichloroethane	ND	16	ug/Kg	06/17/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	9.7	ug/Kg	06/17/14	JLI	SW8260
1,1,2-Trichloroethane	ND	16	ug/Kg	06/17/14	JLI	SW8260
1,1-Dichloroethane	ND	16	ug/Kg	06/17/14	JLI	SW8260
1,1-Dichloroethene	ND	16	ug/Kg	06/17/14	JLI	SW8260
1,1-Dichloropropene	ND	16	ug/Kg	06/17/14	JLI	SW8260
1,2,3-Trichlorobenzene	ND	16	ug/Kg	06/17/14	JLI	SW8260
1,2,3-Trichloropropane	ND	16	ug/Kg	06/17/14	JLI	SW8260
1,2,4-Trichlorobenzene	ND	16	ug/Kg	06/17/14	JLI	SW8260
1,2,4-Trimethylbenzene	ND	16	ug/Kg	06/17/14	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND	16	ug/Kg	06/17/14	JLI	SW8260
1,2-Dibromoethane	ND	16	ug/Kg	06/17/14	JLI	SW8260
1,2-Dichlorobenzene	ND	16	ug/Kg	06/17/14	JLI	SW8260
1,2-Dichloroethane	ND	16	ug/Kg	06/17/14	JLI	SW8260
1,2-Dichloropropane	ND	16	ug/Kg	06/17/14	JLI	SW8260
1,3,5-Trimethylbenzene	ND	16	ug/Kg	06/17/14	JLI	SW8260
1,3-Dichlorobenzene	ND	16	ug/Kg	06/17/14	JLI	SW8260
1,3-Dichloropropane	ND	16	ug/Kg	06/17/14	JLI	SW8260
1,4-Dichlorobenzene	ND	16	ug/Kg	06/17/14	JLI	SW8260
2,2-Dichloropropane	ND	16	ug/Kg	06/17/14	JLI	SW8260
2-Chlorotoluene	ND	16	ug/Kg	06/17/14	JLI	SW8260
2-Hexanone	ND	80	ug/Kg	06/17/14	JLI	SW8260
2-Isopropyltoluene	ND	16	ug/Kg	06/17/14	JLI	SW8260
4-Chlorotoluene	ND	16	ug/Kg	06/17/14	JLI	SW8260
4-Methyl-2-pentanone	ND	80	ug/Kg	06/17/14	JLI	SW8260
Acetone	140	97	ug/Kg	06/17/14	JLI	SW8260
Acrylonitrile	ND	16	ug/Kg	06/17/14	JLI	SW8260
Benzene	ND	16	ug/Kg	06/17/14	JLI	SW8260
Bromobenzene	ND	16	ug/Kg	06/17/14	JLI	SW8260
Bromochloromethane	ND	16	ug/Kg	06/17/14	JLI	SW8260
Bromodichloromethane	ND	16	ug/Kg	06/17/14	JLI	SW8260
Bromoform	ND	16	ug/Kg	06/17/14	JLI	SW8260
Bromomethane	ND	16	ug/Kg	06/17/14	JLI	SW8260
Carbon Disulfide	ND	16	ug/Kg	06/17/14	JLI	SW8260
Carbon tetrachloride	ND	16	ug/Kg	06/17/14	JLI	SW8260
Chlorobenzene	ND	16	ug/Kg	06/17/14	JLI	SW8260
Chloroethane	ND	16	ug/Kg	06/17/14	JLI	SW8260
Chloroform	ND	16	ug/Kg	06/17/14	JLI	SW8260
Chloromethane	ND	16	ug/Kg	06/17/14	JLI	SW8260
cis-1,2-Dichloroethene	ND	16	ug/Kg	06/17/14	JLI	SW8260
cis-1,3-Dichloropropene	ND	16	ug/Kg	06/17/14	JLI	SW8260
Dibromochloromethane	ND	9.7	ug/Kg	06/17/14	JLI	SW8260
Dibromomethane	ND	16	ug/Kg	06/17/14	JLI	SW8260
Dichlorodifluoromethane	ND	16	ug/Kg	06/17/14	JLI	SW8260
Ethylbenzene	ND	16	ug/Kg	06/17/14	JLI	SW8260
Hexachlorobutadiene	ND	16	ug/Kg	06/17/14	JLI	SW8260
Isopropylbenzene	ND	16	ug/Kg	06/17/14	JLI	SW8260

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
m&p-Xylene	ND	16	ug/Kg	06/17/14	JLI	SW8260
Methyl Ethyl Ketone	ND	97	ug/Kg	06/17/14	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND	32	ug/Kg	06/17/14	JLI	SW8260
Methylene chloride	ND	16	ug/Kg	06/17/14	JLI	SW8260
Naphthalene	ND	16	ug/Kg	06/17/14	JLI	SW8260
n-Butylbenzene	ND	16	ug/Kg	06/17/14	JLI	SW8260
n-Propylbenzene	ND	16	ug/Kg	06/17/14	JLI	SW8260
o-Xylene	ND	16	ug/Kg	06/17/14	JLI	SW8260
p-Isopropyltoluene	ND	16	ug/Kg	06/17/14	JLI	SW8260
sec-Butylbenzene	ND	16	ug/Kg	06/17/14	JLI	SW8260
Styrene	ND	16	ug/Kg	06/17/14	JLI	SW8260
tert-Butylbenzene	ND	16	ug/Kg	06/17/14	JLI	SW8260
Tetrachloroethene	ND	16	ug/Kg	06/17/14	JLI	SW8260
Tetrahydrofuran (THF)	ND	32	ug/Kg	06/17/14	JLI	SW8260
Toluene	ND	16	ug/Kg	06/17/14	JLI	SW8260
Total Xylenes	ND	16	ug/Kg	06/17/14	JLI	SW8260
trans-1,2-Dichloroethene	ND	16	ug/Kg	06/17/14	JLI	SW8260
trans-1,3-Dichloropropene	ND	16	ug/Kg	06/17/14	JLI	SW8260
trans-1,4-dichloro-2-butene	ND	32	ug/Kg	06/17/14	JLI	SW8260
Trichloroethene	ND	16	ug/Kg	06/17/14	JLI	SW8260
Trichlorofluoromethane	ND	16	ug/Kg	06/17/14	JLI	SW8260
Trichlorotrifluoroethane	ND	16	ug/Kg	06/17/14	JLI	SW8260
Vinyl chloride	ND	16	ug/Kg	06/17/14	JLI	SW8260
<u>QA/QC Surrogates</u>						
% 1,2-dichlorobenzene-d4	95		%	06/17/14	JLI	70 - 130 %
% Bromofluorobenzene	97		%	06/17/14	JLI	70 - 130 %
% Dibromofluoromethane	96		%	06/17/14	JLI	70 - 130 %
% Toluene-d8	95		%	06/17/14	JLI	70 - 130 %
<u>TCLP Volatiles</u>						
1,1-Dichloroethene	ND	10	ug/L	06/12/14	HM	SW8260
1,2-Dichloroethane	ND	10	ug/L	06/12/14	HM	SW8260
Benzene	ND	10	ug/L	06/12/14	HM	SW8260
Carbon tetrachloride	ND	10	ug/L	06/12/14	HM	SW8260
Chlorobenzene	ND	10	ug/L	06/12/14	HM	SW8260
Chloroform	ND	10	ug/L	06/12/14	HM	SW8260
Methyl ethyl ketone	ND	10	ug/L	06/12/14	HM	SW8260
Tetrachloroethene	ND	10	ug/L	06/12/14	HM	SW8260
Trichloroethene	ND	10	ug/L	06/12/14	HM	SW8260
Vinyl chloride	ND	10	ug/L	06/12/14	HM	SW8260
<u>QA/QC Surrogates</u>						
% 1,2-dichlorobenzene-d4	99		%	06/12/14	HM	70 - 130 %
% Bromofluorobenzene	99		%	06/12/14	HM	70 - 130 %
% Dibromofluoromethane	98		%	06/12/14	HM	70 - 130 %
% Toluene-d8	102		%	06/12/14	HM	70 - 130 %
<u>Semivolatiles</u>						
1,2,4,5-Tetrachlorobenzene	ND	290	ug/Kg	06/11/14	DD	SW 8270
1,2,4-Trichlorobenzene	ND	290	ug/Kg	06/11/14	DD	SW 8270
1,2-Dichlorobenzene	ND	290	ug/Kg	06/11/14	DD	SW 8270

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
1,2-Diphenylhydrazine	ND	420	ug/Kg	06/11/14	DD	SW 8270
1,3-Dichlorobenzene	ND	290	ug/Kg	06/11/14	DD	SW 8270
1,4-Dichlorobenzene	ND	290	ug/Kg	06/11/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	290	ug/Kg	06/11/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	290	ug/Kg	06/11/14	DD	SW 8270
2,4-Dichlorophenol	ND	290	ug/Kg	06/11/14	DD	SW 8270
2,4-Dimethylphenol	ND	290	ug/Kg	06/11/14	DD	SW 8270
2,4-Dinitrophenol	ND	670	ug/Kg	06/11/14	DD	SW 8270
2,4-Dinitrotoluene	ND	290	ug/Kg	06/11/14	DD	SW 8270
2,6-Dinitrotoluene	ND	290	ug/Kg	06/11/14	DD	SW 8270
2-Chloronaphthalene	ND	290	ug/Kg	06/11/14	DD	SW 8270
2-Chlorophenol	ND	290	ug/Kg	06/11/14	DD	SW 8270
2-Methylnaphthalene	ND	290	ug/Kg	06/11/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	290	ug/Kg	06/11/14	DD	SW 8270
2-Nitroaniline	ND	670	ug/Kg	06/11/14	DD	SW 8270
2-Nitrophenol	ND	290	ug/Kg	06/11/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	420	ug/Kg	06/11/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	290	ug/Kg	06/11/14	DD	SW 8270
3-Nitroaniline	ND	670	ug/Kg	06/11/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1200	ug/Kg	06/11/14	DD	SW 8270
4-Bromophenyl phenyl ether	ND	420	ug/Kg	06/11/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	290	ug/Kg	06/11/14	DD	SW 8270
4-Chloroaniline	ND	290	ug/Kg	06/11/14	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	290	ug/Kg	06/11/14	DD	SW 8270
4-Nitroaniline	ND	670	ug/Kg	06/11/14	DD	SW 8270
4-Nitrophenol	ND	1200	ug/Kg	06/11/14	DD	SW 8270
Acenaphthene	ND	290	ug/Kg	06/11/14	DD	SW 8270
Acenaphthylene	ND	290	ug/Kg	06/11/14	DD	SW 8270
Acetophenone	ND	290	ug/Kg	06/11/14	DD	SW 8270
Aniline	ND	1200	ug/Kg	06/11/14	DD	SW 8270
Anthracene	ND	290	ug/Kg	06/11/14	DD	SW 8270
Benz(a)anthracene	ND	290	ug/Kg	06/11/14	DD	SW 8270
Benzidine	ND	500	ug/Kg	06/11/14	DD	SW 8270
Benzo(a)pyrene	ND	290	ug/Kg	06/11/14	DD	SW 8270
Benzo(b)fluoranthene	ND	290	ug/Kg	06/11/14	DD	SW 8270
Benzo(ghi)perylene	ND	290	ug/Kg	06/11/14	DD	SW 8270
Benzo(k)fluoranthene	ND	290	ug/Kg	06/11/14	DD	SW 8270
Benzoic acid	ND	1200	ug/Kg	06/11/14	DD	SW 8270
Benzyl butyl phthalate	ND	290	ug/Kg	06/11/14	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	290	ug/Kg	06/11/14	DD	SW 8270
Bis(2-chloroethyl)ether	ND	420	ug/Kg	06/11/14	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	290	ug/Kg	06/11/14	DD	SW 8270
Bis(2-ethylhexyl)phthalate	ND	290	ug/Kg	06/11/14	DD	SW 8270
Carbazole	ND	630	ug/Kg	06/11/14	DD	SW 8270
Chrysene	ND	290	ug/Kg	06/11/14	DD	SW 8270
Dibenz(a,h)anthracene	ND	290	ug/Kg	06/11/14	DD	SW 8270
Dibenzofuran	ND	290	ug/Kg	06/11/14	DD	SW 8270
Diethyl phthalate	ND	290	ug/Kg	06/11/14	DD	SW 8270
Dimethylphthalate	ND	290	ug/Kg	06/11/14	DD	SW 8270

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Di-n-butylphthalate	ND	290	ug/Kg	06/11/14	DD	SW 8270
Di-n-octylphthalate	ND	290	ug/Kg	06/11/14	DD	SW 8270
Fluoranthene	ND	290	ug/Kg	06/11/14	DD	SW 8270
Fluorene	ND	290	ug/Kg	06/11/14	DD	SW 8270
Hexachlorobenzene	ND	290	ug/Kg	06/11/14	DD	SW 8270
Hexachlorobutadiene	ND	290	ug/Kg	06/11/14	DD	SW 8270
Hexachlorocyclopentadiene	ND	290	ug/Kg	06/11/14	DD	SW 8270
Hexachloroethane	ND	290	ug/Kg	06/11/14	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	290	ug/Kg	06/11/14	DD	SW 8270
Isophorone	ND	290	ug/Kg	06/11/14	DD	SW 8270
Naphthalene	ND	290	ug/Kg	06/11/14	DD	SW 8270
Nitrobenzene	ND	290	ug/Kg	06/11/14	DD	SW 8270
N-Nitrosodimethylamine	ND	420	ug/Kg	06/11/14	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	290	ug/Kg	06/11/14	DD	SW 8270
N-Nitrosodiphenylamine	ND	420	ug/Kg	06/11/14	DD	SW 8270
Pentachloronitrobenzene	ND	420	ug/Kg	06/11/14	DD	SW 8270
Pentachlorophenol	ND	420	ug/Kg	06/11/14	DD	SW 8270
Phenanthrene	ND	290	ug/Kg	06/11/14	DD	SW 8270
Phenol	ND	290	ug/Kg	06/11/14	DD	SW 8270
Pyrene	ND	290	ug/Kg	06/11/14	DD	SW 8270
Pyridine	ND	420	ug/Kg	06/11/14	DD	SW 8270
<u>QA/QC Surrogates</u>						
% 2,4,6-Tribromophenol	118		%	06/11/14	DD	30 - 130 %
% 2-Fluorobiphenyl	84		%	06/11/14	DD	30 - 130 %
% 2-Fluorophenol	97		%	06/11/14	DD	30 - 130 %
% Nitrobenzene-d5	93		%	06/11/14	DD	30 - 130 %
% Phenol-d5	98		%	06/11/14	DD	30 - 130 %
% Terphenyl-d14	89		%	06/11/14	DD	30 - 130 %
<u>TCLP Acid/Base-Neutral</u>						
1,4-Dichlorobenzene	ND	83	ug/L	06/11/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	83	ug/L	06/11/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	83	ug/L	06/11/14	DD	SW 8270
2,4-Dinitrotoluene	ND	83	ug/L	06/11/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	83	ug/L	06/11/14	DD	SW 8270
3&4-Methylphenol (m&p-Cresol)	ND	83	ug/L	06/11/14	DD	SW 8270
Hexachlorobenzene	ND	83	ug/L	06/11/14	DD	SW 8270
Hexachlorobutadiene	ND	83	ug/L	06/11/14	DD	SW 8270
Hexachloroethane	ND	83	ug/L	06/11/14	DD	SW 8270
Nitrobenzene	ND	83	ug/L	06/11/14	DD	SW 8270
Pentachlorophenol	ND	83	ug/L	06/11/14	DD	SW 8270
Pyridine	ND	83	ug/L	06/11/14	DD	SW 8270
<u>QA/QC Surrogates</u>						
% 2,4,6-Tribromophenol	76		%	06/11/14	DD	15 - 110 %
% 2-Fluorobiphenyl	81		%	06/11/14	DD	30 - 130 %
% 2-Fluorophenol	65		%	06/11/14	DD	15 - 110 %
% Nitrobenzene-d5	75		%	06/11/14	DD	30 - 130 %
% Phenol-d5	52		%	06/11/14	DD	15 - 110 %
% Terphenyl-d14	93		%	06/11/14	DD	30 - 130 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
1O = This parameter is not certified by NY NELAC for this matrix.
B = Present in blank, no bias suspected.

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

Comments:

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

Corrosivity is based solely on the pH analysis performed above.

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

Ignitability is based solely on the results of the closed cup flashpoint analysis performed above. Passed is >140 degree F.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Cyanide and Reactive Sulfide. This method is no longer listed in the current version of SW-846.

Hexavalent Chromium:
This sample is in a reducing state.

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

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

June 20, 2014

Reviewed and Released by: Bobbi Aloisa, Vice President



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

Analysis Report

June 20, 2014

FOR: Attn: Mr Luis Lasanta
 Galli Engineering, P.C.
 35 Pinelawn Road Suite 209E
 Melville, NY 11747

Sample Information

Matrix: SOLID
 Location Code: GALLI-ENG
 Rush Request: Standard
 P.O.#:

Custody Information

Collected by:
 Received by: SW
 Analyzed by: see "By" below

Date

06/09/14 12:00
 06/10/14 17:20

Time

Laboratory Data

SDG ID: GBG55233
 Phoenix ID: BG55237

Project ID: LARCHMONT
 Client ID: WC-5 (5-10 FT)

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Silver	< 0.37	0.37	mg/Kg	06/11/14	LK	SW6010
Aluminum	25900	560	mg/Kg	06/12/14	LK	SW6010
Arsenic	1.0	0.7	mg/Kg	06/11/14	LK	SW6010
Barium	192	0.37	mg/Kg	06/11/14	LK	SW6010
Beryllium	0.57	0.30	mg/Kg	06/11/14	LK	SW6010
Calcium	1020	5.6	mg/Kg	06/11/14	LK	SW6010
Cadmium	< 0.37	0.37	mg/Kg	06/11/14	LK	SW6010
Cobalt	19.6	0.37	mg/Kg	06/11/14	LK	SW6010
Chromium	57.2	0.37	mg/Kg	06/11/14	LK	SW6010
Copper	43.1	0.37	mg/kg	06/11/14	LK	SW6010
Iron	47400	56	mg/Kg	06/11/14	LK	SW6010
Mercury	< 0.09	0.09	mg/Kg	06/11/14	RS	SW-7471
Potassium	11600	56	mg/Kg	06/12/14	LK	SW6010
Magnesium	10600	56	mg/Kg	06/11/14	LK	SW6010
Manganese	781	3.7	mg/Kg	06/11/14	LK	SW6010
Sodium	220	5.6	mg/Kg	06/12/14	LK	SW6010
Nickel	27.1	0.37	mg/Kg	06/11/14	LK	SW6010
Lead	6.88	0.37	mg/Kg	06/11/14	LK	SW6010
Antimony	< 3.7	3.7	mg/Kg	06/11/14	LK	SW6010
Selenium	< 1.5	1.5	mg/Kg	06/11/14	LK	SW6010
Thallium	< 3.4	3.4	mg/Kg	06/11/14	LK	SW6010
Vanadium	78.4	0.37	mg/Kg	06/11/14	LK	SW6010
Zinc	69.7	0.37	mg/Kg	06/11/14	LK	SW6010
Percent Solid	86		%	06/10/14	I	E160.3
Chromium, Hexavalent	< 0.45	0.45	mg/Kg	06/11/14 06:30	KDB	SW3060/7196
pH - Soil	7.21	0.10	pH Units	06/10/14 19:45	DH/KDB	4500-H B/9045 1
Redox Potential	65	1.0	mV	06/10/14	DH/KDB	SM2580B 1
Total Cyanide	< 0.53	0.53	mg/Kg	06/10/14	O/GD	SW 9010/9012

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Soil Extraction for PCB	Completed			06/10/14	JB/V	SW3545
Soil Extraction for Pesticide	Completed			06/10/14	JB	SW3545
Soil Extraction for SVOA	Completed			06/10/14	JJ/FV	SW3545
Mercury Digestion	Completed			06/11/14	I/I	SW7471
Total Metals Digest	Completed			06/10/14	CB/AG	SW846 - 3050
Field Extraction	Completed			06/09/14		SW5035

Polychlorinated Biphenyls

PCB-1016	ND	75	ug/Kg	06/11/14	AW	SW 8082
PCB-1221	ND	75	ug/Kg	06/11/14	AW	SW 8082
PCB-1232	ND	75	ug/Kg	06/11/14	AW	SW 8082
PCB-1242	ND	75	ug/Kg	06/11/14	AW	SW 8082
PCB-1248	ND	75	ug/Kg	06/11/14	AW	SW 8082
PCB-1254	ND	75	ug/Kg	06/11/14	AW	SW 8082
PCB-1260	ND	75	ug/Kg	06/11/14	AW	SW 8082
PCB-1262	ND	75	ug/Kg	06/11/14	AW	SW 8082
PCB-1268	ND	75	ug/Kg	06/11/14	AW	SW 8082

QA/QC Surrogates

% DCBP	107		%	06/11/14	AW	30 - 150 %
% TCMX	100		%	06/11/14	AW	30 - 150 %

Pesticides

4,4' -DDD	ND	2.3	ug/Kg	06/11/14	CE	SW8081
4,4' -DDE	ND	2.3	ug/Kg	06/11/14	CE	SW8081
4,4' -DDT	ND	2.3	ug/Kg	06/11/14	CE	SW8081
a-BHC	ND	3.6	ug/Kg	06/11/14	CE	SW8081
Alachlor	ND	3.6	ug/Kg	06/11/14	CE	SW8081
Aldrin	ND	1.1	ug/Kg	06/11/14	CE	SW8081
b-BHC	ND	3.6	ug/Kg	06/11/14	CE	SW8081
Chlordane	ND	11	ug/Kg	06/11/14	CE	SW8081
d-BHC	ND	3.6	ug/Kg	06/11/14	CE	SW8081
Dieldrin	ND	1.1	ug/Kg	06/11/14	CE	SW8081
Endosulfan I	ND	3.6	ug/Kg	06/11/14	CE	SW8081
Endosulfan II	ND	7.2	ug/Kg	06/11/14	CE	SW8081
Endosulfan sulfate	ND	7.2	ug/Kg	06/11/14	CE	SW8081
Endrin	ND	7.2	ug/Kg	06/11/14	CE	SW8081
Endrin aldehyde	ND	7.2	ug/Kg	06/11/14	CE	SW8081
Endrin ketone	ND	7.2	ug/Kg	06/11/14	CE	SW8081
g-BHC	ND	1.1	ug/Kg	06/11/14	CE	SW8081
Heptachlor	ND	2.3	ug/Kg	06/11/14	CE	SW8081
Heptachlor epoxide	ND	3.6	ug/Kg	06/11/14	CE	SW8081
Methoxychlor	ND	36	ug/Kg	06/11/14	CE	SW8081
Toxaphene	ND	190	ug/Kg	06/11/14	CE	SW8081

QA/QC Surrogates

% DCBP	92		%	06/11/14	CE	30 - 150 %
% TCMX	97		%	06/11/14	CE	30 - 150 %

Volatiles

1,1,1,2-Tetrachloroethane	ND	7.8	ug/Kg	06/19/14	J/P	SW8260
1,1,1-Trichloroethane	ND	7.8	ug/Kg	06/19/14	J/P	SW8260

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
1,1,2,2-Tetrachloroethane	ND	4.7	ug/Kg	06/19/14	J/P	SW8260
1,1,2-Trichloroethane	ND	7.8	ug/Kg	06/19/14	J/P	SW8260
1,1-Dichloroethane	ND	7.8	ug/Kg	06/19/14	J/P	SW8260
1,1-Dichloroethene	ND	7.8	ug/Kg	06/19/14	J/P	SW8260
1,1-Dichloropropene	ND	7.8	ug/Kg	06/19/14	J/P	SW8260
1,2,3-Trichlorobenzene	ND	7.8	ug/Kg	06/19/14	J/P	SW8260
1,2,3-Trichloropropane	ND	7.8	ug/Kg	06/19/14	J/P	SW8260
1,2,4-Trichlorobenzene	ND	7.8	ug/Kg	06/19/14	J/P	SW8260
1,2,4-Trimethylbenzene	ND	7.8	ug/Kg	06/19/14	J/P	SW8260
1,2-Dibromo-3-chloropropane	ND	7.8	ug/Kg	06/19/14	J/P	SW8260
1,2-Dibromoethane	ND	7.8	ug/Kg	06/19/14	J/P	SW8260
1,2-Dichlorobenzene	ND	7.8	ug/Kg	06/19/14	J/P	SW8260
1,2-Dichloroethane	ND	7.8	ug/Kg	06/19/14	J/P	SW8260
1,2-Dichloropropane	ND	7.8	ug/Kg	06/19/14	J/P	SW8260
1,3,5-Trimethylbenzene	ND	7.8	ug/Kg	06/19/14	J/P	SW8260
1,3-Dichlorobenzene	ND	7.8	ug/Kg	06/19/14	J/P	SW8260
1,3-Dichloropropane	ND	7.8	ug/Kg	06/19/14	J/P	SW8260
1,4-Dichlorobenzene	ND	7.8	ug/Kg	06/19/14	J/P	SW8260
2,2-Dichloropropane	ND	7.8	ug/Kg	06/19/14	J/P	SW8260
2-Chlorotoluene	ND	7.8	ug/Kg	06/19/14	J/P	SW8260
2-Hexanone	ND	39	ug/Kg	06/19/14	J/P	SW8260
2-Isopropyltoluene	ND	7.8	ug/Kg	06/19/14	J/P	SW8260
4-Chlorotoluene	ND	7.8	ug/Kg	06/19/14	J/P	SW8260
4-Methyl-2-pentanone	ND	39	ug/Kg	06/19/14	J/P	SW8260
Acetone	ND	47	ug/Kg	06/19/14	J/P	SW8260
Acrylonitrile	ND	7.8	ug/Kg	06/19/14	J/P	SW8260
Benzene	ND	7.8	ug/Kg	06/19/14	J/P	SW8260
Bromobenzene	ND	7.8	ug/Kg	06/19/14	J/P	SW8260
Bromochloromethane	ND	7.8	ug/Kg	06/19/14	J/P	SW8260
Bromodichloromethane	ND	7.8	ug/Kg	06/19/14	J/P	SW8260
Bromoform	ND	7.8	ug/Kg	06/19/14	J/P	SW8260
Bromomethane	ND	7.8	ug/Kg	06/19/14	J/P	SW8260
Carbon Disulfide	ND	7.8	ug/Kg	06/19/14	J/P	SW8260
Carbon tetrachloride	ND	7.8	ug/Kg	06/19/14	J/P	SW8260
Chlorobenzene	ND	7.8	ug/Kg	06/19/14	J/P	SW8260
Chloroethane	ND	7.8	ug/Kg	06/19/14	J/P	SW8260
Chloroform	ND	7.8	ug/Kg	06/19/14	J/P	SW8260
Chloromethane	ND	7.8	ug/Kg	06/19/14	J/P	SW8260
cis-1,2-Dichloroethene	ND	7.8	ug/Kg	06/19/14	J/P	SW8260
cis-1,3-Dichloropropene	ND	7.8	ug/Kg	06/19/14	J/P	SW8260
Dibromochloromethane	ND	4.7	ug/Kg	06/19/14	J/P	SW8260
Dibromomethane	ND	7.8	ug/Kg	06/19/14	J/P	SW8260
Dichlorodifluoromethane	ND	7.8	ug/Kg	06/19/14	J/P	SW8260
Ethylbenzene	ND	7.8	ug/Kg	06/19/14	J/P	SW8260
Hexachlorobutadiene	ND	7.8	ug/Kg	06/19/14	J/P	SW8260
Isopropylbenzene	ND	7.8	ug/Kg	06/19/14	J/P	SW8260
m&p-Xylene	ND	7.8	ug/Kg	06/19/14	J/P	SW8260
Methyl Ethyl Ketone	ND	47	ug/Kg	06/19/14	J/P	SW8260
Methyl t-butyl ether (MTBE)	ND	16	ug/Kg	06/19/14	J/P	SW8260

1

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Methylene chloride	ND	7.8	ug/Kg	06/19/14	J/P	SW8260
Naphthalene	ND	7.8	ug/Kg	06/19/14	J/P	SW8260
n-Butylbenzene	ND	7.8	ug/Kg	06/19/14	J/P	SW8260
n-Propylbenzene	ND	7.8	ug/Kg	06/19/14	J/P	SW8260
o-Xylene	ND	7.8	ug/Kg	06/19/14	J/P	SW8260
p-Isopropyltoluene	ND	7.8	ug/Kg	06/19/14	J/P	SW8260
sec-Butylbenzene	ND	7.8	ug/Kg	06/19/14	J/P	SW8260
Styrene	ND	7.8	ug/Kg	06/19/14	J/P	SW8260
tert-Butylbenzene	ND	7.8	ug/Kg	06/19/14	J/P	SW8260
Tetrachloroethene	ND	7.8	ug/Kg	06/19/14	J/P	SW8260
Tetrahydrofuran (THF)	ND	16	ug/Kg	06/19/14	J/P	SW8260
Toluene	ND	7.8	ug/Kg	06/19/14	J/P	SW8260
Total Xylenes	ND	7.8	ug/Kg	06/19/14	J/P	SW8260
trans-1,2-Dichloroethene	ND	7.8	ug/Kg	06/19/14	J/P	SW8260
trans-1,3-Dichloropropene	ND	7.8	ug/Kg	06/19/14	J/P	SW8260
trans-1,4-dichloro-2-butene	ND	16	ug/Kg	06/19/14	J/P	SW8260
Trichloroethene	ND	7.8	ug/Kg	06/19/14	J/P	SW8260
Trichlorofluoromethane	ND	7.8	ug/Kg	06/19/14	J/P	SW8260
Trichlorotrifluoroethane	ND	7.8	ug/Kg	06/19/14	J/P	SW8260
Vinyl chloride	ND	7.8	ug/Kg	06/19/14	J/P	SW8260
<u>QA/QC Surrogates</u>						
% 1,2-dichlorobenzene-d4	94		%	06/19/14	J/P	70 - 130 %
% Bromofluorobenzene	97		%	06/19/14	J/P	70 - 130 %
% Dibromofluoromethane	91		%	06/19/14	J/P	70 - 130 %
% Toluene-d8	91		%	06/19/14	J/P	70 - 130 %
<u>Semivolatiles</u>						
1,2,4,5-Tetrachlorobenzene	ND	270	ug/Kg	06/11/14	DD	SW 8270
1,2,4-Trichlorobenzene	ND	270	ug/Kg	06/11/14	DD	SW 8270
1,2-Dichlorobenzene	ND	270	ug/Kg	06/11/14	DD	SW 8270
1,2-Diphenylhydrazine	ND	380	ug/Kg	06/11/14	DD	SW 8270
1,3-Dichlorobenzene	ND	270	ug/Kg	06/11/14	DD	SW 8270
1,4-Dichlorobenzene	ND	270	ug/Kg	06/11/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	270	ug/Kg	06/11/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	270	ug/Kg	06/11/14	DD	SW 8270
2,4-Dichlorophenol	ND	270	ug/Kg	06/11/14	DD	SW 8270
2,4-Dimethylphenol	ND	270	ug/Kg	06/11/14	DD	SW 8270
2,4-Dinitrophenol	ND	610	ug/Kg	06/11/14	DD	SW 8270
2,4-Dinitrotoluene	ND	270	ug/Kg	06/11/14	DD	SW 8270
2,6-Dinitrotoluene	ND	270	ug/Kg	06/11/14	DD	SW 8270
2-Chloronaphthalene	ND	270	ug/Kg	06/11/14	DD	SW 8270
2-Chlorophenol	ND	270	ug/Kg	06/11/14	DD	SW 8270
2-Methylnaphthalene	ND	270	ug/Kg	06/11/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	270	ug/Kg	06/11/14	DD	SW 8270
2-Nitroaniline	ND	610	ug/Kg	06/11/14	DD	SW 8270
2-Nitrophenol	ND	270	ug/Kg	06/11/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	380	ug/Kg	06/11/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	270	ug/Kg	06/11/14	DD	SW 8270
3-Nitroaniline	ND	610	ug/Kg	06/11/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1100	ug/Kg	06/11/14	DD	SW 8270

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
4-Bromophenyl phenyl ether	ND	380	ug/Kg	06/11/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	270	ug/Kg	06/11/14	DD	SW 8270
4-Chloroaniline	ND	270	ug/Kg	06/11/14	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	270	ug/Kg	06/11/14	DD	SW 8270
4-Nitroaniline	ND	610	ug/Kg	06/11/14	DD	SW 8270
4-Nitrophenol	ND	1100	ug/Kg	06/11/14	DD	SW 8270
Acenaphthene	ND	270	ug/Kg	06/11/14	DD	SW 8270
Acenaphthylene	ND	270	ug/Kg	06/11/14	DD	SW 8270
Acetophenone	ND	270	ug/Kg	06/11/14	DD	SW 8270
Aniline	ND	1100	ug/Kg	06/11/14	DD	SW 8270
Anthracene	ND	270	ug/Kg	06/11/14	DD	SW 8270
Benz(a)anthracene	ND	270	ug/Kg	06/11/14	DD	SW 8270
Benzidine	ND	460	ug/Kg	06/11/14	DD	SW 8270
Benzo(a)pyrene	ND	270	ug/Kg	06/11/14	DD	SW 8270
Benzo(b)fluoranthene	ND	270	ug/Kg	06/11/14	DD	SW 8270
Benzo(ghi)perylene	ND	270	ug/Kg	06/11/14	DD	SW 8270
Benzo(k)fluoranthene	ND	270	ug/Kg	06/11/14	DD	SW 8270
Benzoic acid	ND	1100	ug/Kg	06/11/14	DD	SW 8270 1
Benzyl butyl phthalate	ND	270	ug/Kg	06/11/14	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	270	ug/Kg	06/11/14	DD	SW 8270
Bis(2-chloroethyl)ether	ND	380	ug/Kg	06/11/14	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	270	ug/Kg	06/11/14	DD	SW 8270 1
Bis(2-ethylhexyl)phthalate	ND	270	ug/Kg	06/11/14	DD	SW 8270
Carbazole	ND	580	ug/Kg	06/11/14	DD	SW 8270
Chrysene	ND	270	ug/Kg	06/11/14	DD	SW 8270
Dibenz(a,h)anthracene	ND	270	ug/Kg	06/11/14	DD	SW 8270
Dibenzofuran	ND	270	ug/Kg	06/11/14	DD	SW 8270
Diethyl phthalate	ND	270	ug/Kg	06/11/14	DD	SW 8270
Dimethylphthalate	ND	270	ug/Kg	06/11/14	DD	SW 8270
Di-n-butylphthalate	ND	270	ug/Kg	06/11/14	DD	SW 8270
Di-n-octylphthalate	ND	270	ug/Kg	06/11/14	DD	SW 8270
Fluoranthene	ND	270	ug/Kg	06/11/14	DD	SW 8270
Fluorene	ND	270	ug/Kg	06/11/14	DD	SW 8270
Hexachlorobenzene	ND	270	ug/Kg	06/11/14	DD	SW 8270
Hexachlorobutadiene	ND	270	ug/Kg	06/11/14	DD	SW 8270
Hexachlorocyclopentadiene	ND	270	ug/Kg	06/11/14	DD	SW 8270
Hexachloroethane	ND	270	ug/Kg	06/11/14	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	270	ug/Kg	06/11/14	DD	SW 8270
Isophorone	ND	270	ug/Kg	06/11/14	DD	SW 8270
Naphthalene	ND	270	ug/Kg	06/11/14	DD	SW 8270
Nitrobenzene	ND	270	ug/Kg	06/11/14	DD	SW 8270
N-Nitrosodimethylamine	ND	380	ug/Kg	06/11/14	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	270	ug/Kg	06/11/14	DD	SW 8270
N-Nitrosodiphenylamine	ND	380	ug/Kg	06/11/14	DD	SW 8270
Pentachloronitrobenzene	ND	380	ug/Kg	06/11/14	DD	SW 8270
Pentachlorophenol	ND	380	ug/Kg	06/11/14	DD	SW 8270
Phenanthrene	ND	270	ug/Kg	06/11/14	DD	SW 8270
Phenol	ND	270	ug/Kg	06/11/14	DD	SW 8270
Pyrene	ND	270	ug/Kg	06/11/14	DD	SW 8270

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Pyridine	ND	380	ug/Kg	06/11/14	DD	SW 8270
QA/QC Surrogates						
% 2,4,6-Tribromophenol	117		%	06/11/14	DD	30 - 130 %
% 2-Fluorobiphenyl	81		%	06/11/14	DD	30 - 130 %
% 2-Fluorophenol	96		%	06/11/14	DD	30 - 130 %
% Nitrobenzene-d5	96		%	06/11/14	DD	30 - 130 %
% Phenol-d5	99		%	06/11/14	DD	30 - 130 %
% Terphenyl-d14	91		%	06/11/14	DD	30 - 130 %

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

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

Comments:

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

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

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is in a reducing state.

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

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

June 20, 2014

Reviewed and Released by: Bobbi Aloisa, Vice President



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

Analysis Report

June 20, 2014

FOR: Attn: Mr Luis Lasanta
 Galli Engineering, P.C.
 35 Pinelawn Road Suite 209E
 Melville, NY 11747

Sample Information

Matrix: SOLID
 Location Code: GALLI-ENG
 Rush Request: Standard
 P.O.#:

Custody Information

Collected by:
 Received by: SW
 Analyzed by: see "By" below

Date

06/09/14
 06/10/14

Time

0:00
 17:20

Laboratory Data

SDG ID: GBG55233
 Phoenix ID: BG55238

Project ID: LARCHMONT
 Client ID: FIELD BLANK HIGH

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100	1	%	06/09/14		E160.3
Field Extraction	Completed			06/09/14		SW5035

Volatiles

1,1,1,2-Tetrachloroethane	ND	250	ug/Kg	06/17/14	JLI	SW8260
1,1,1-Trichloroethane	ND	250	ug/Kg	06/17/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	250	ug/Kg	06/17/14	JLI	SW8260
1,1,2-Trichloroethane	ND	250	ug/Kg	06/17/14	JLI	SW8260
1,1-Dichloroethane	ND	250	ug/Kg	06/17/14	JLI	SW8260
1,1-Dichloroethene	ND	250	ug/Kg	06/17/14	JLI	SW8260
1,1-Dichloropropene	ND	250	ug/Kg	06/17/14	JLI	SW8260
1,2,3-Trichlorobenzene	ND	250	ug/Kg	06/17/14	JLI	SW8260
1,2,3-Trichloropropane	ND	250	ug/Kg	06/17/14	JLI	SW8260
1,2,4-Trichlorobenzene	ND	250	ug/Kg	06/17/14	JLI	SW8260
1,2,4-Trimethylbenzene	ND	250	ug/Kg	06/17/14	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND	250	ug/Kg	06/17/14	JLI	SW8260
1,2-Dibromoethane	ND	250	ug/Kg	06/17/14	JLI	SW8260
1,2-Dichlorobenzene	ND	250	ug/Kg	06/17/14	JLI	SW8260
1,2-Dichloroethane	ND	250	ug/Kg	06/17/14	JLI	SW8260
1,2-Dichloropropane	ND	250	ug/Kg	06/17/14	JLI	SW8260
1,3,5-Trimethylbenzene	ND	250	ug/Kg	06/17/14	JLI	SW8260
1,3-Dichlorobenzene	ND	250	ug/Kg	06/17/14	JLI	SW8260
1,3-Dichloropropane	ND	250	ug/Kg	06/17/14	JLI	SW8260
1,4-Dichlorobenzene	ND	250	ug/Kg	06/17/14	JLI	SW8260
2,2-Dichloropropane	ND	250	ug/Kg	06/17/14	JLI	SW8260
2-Chlorotoluene	ND	250	ug/Kg	06/17/14	JLI	SW8260
2-Hexanone	ND	1300	ug/Kg	06/17/14	JLI	SW8260
2-Isopropyltoluene	ND	250	ug/Kg	06/17/14	JLI	SW8260

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
4-Chlorotoluene	ND	250	ug/Kg	06/17/14	JLI	SW8260
4-Methyl-2-pentanone	ND	1300	ug/Kg	06/17/14	JLI	SW8260
Acetone	ND	5000	ug/Kg	06/17/14	JLI	SW8260
Acrylonitrile	ND	500	ug/Kg	06/17/14	JLI	SW8260
Benzene	ND	250	ug/Kg	06/17/14	JLI	SW8260
Bromobenzene	ND	250	ug/Kg	06/17/14	JLI	SW8260
Bromochloromethane	ND	250	ug/Kg	06/17/14	JLI	SW8260
Bromodichloromethane	ND	250	ug/Kg	06/17/14	JLI	SW8260
Bromoform	ND	250	ug/Kg	06/17/14	JLI	SW8260
Bromomethane	ND	250	ug/Kg	06/17/14	JLI	SW8260
Carbon Disulfide	ND	250	ug/Kg	06/17/14	JLI	SW8260
Carbon tetrachloride	ND	250	ug/Kg	06/17/14	JLI	SW8260
Chlorobenzene	ND	250	ug/Kg	06/17/14	JLI	SW8260
Chloroethane	ND	250	ug/Kg	06/17/14	JLI	SW8260
Chloroform	ND	250	ug/Kg	06/17/14	JLI	SW8260
Chloromethane	ND	250	ug/Kg	06/17/14	JLI	SW8260
cis-1,2-Dichloroethene	ND	250	ug/Kg	06/17/14	JLI	SW8260
cis-1,3-Dichloropropene	ND	250	ug/Kg	06/17/14	JLI	SW8260
Dibromochloromethane	ND	250	ug/Kg	06/17/14	JLI	SW8260
Dibromomethane	ND	250	ug/Kg	06/17/14	JLI	SW8260
Dichlorodifluoromethane	ND	250	ug/Kg	06/17/14	JLI	SW8260
Ethylbenzene	ND	250	ug/Kg	06/17/14	JLI	SW8260
Hexachlorobutadiene	ND	250	ug/Kg	06/17/14	JLI	SW8260
Isopropylbenzene	ND	250	ug/Kg	06/17/14	JLI	SW8260
m&p-Xylene	ND	250	ug/Kg	06/17/14	JLI	SW8260
Methyl Ethyl Ketone	ND	3000	ug/Kg	06/17/14	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND	250	ug/Kg	06/17/14	JLI	SW8260
Methylene chloride	ND	500	ug/Kg	06/17/14	JLI	SW8260
Naphthalene	ND	250	ug/Kg	06/17/14	JLI	SW8260
n-Butylbenzene	ND	250	ug/Kg	06/17/14	JLI	SW8260
n-Propylbenzene	ND	250	ug/Kg	06/17/14	JLI	SW8260
o-Xylene	ND	250	ug/Kg	06/17/14	JLI	SW8260
p-Isopropyltoluene	ND	250	ug/Kg	06/17/14	JLI	SW8260
sec-Butylbenzene	ND	250	ug/Kg	06/17/14	JLI	SW8260
Styrene	ND	250	ug/Kg	06/17/14	JLI	SW8260
tert-Butylbenzene	ND	250	ug/Kg	06/17/14	JLI	SW8260
Tetrachloroethene	ND	250	ug/Kg	06/17/14	JLI	SW8260
Tetrahydrofuran (THF)	ND	500	ug/Kg	06/17/14	JLI	SW8260
Toluene	ND	250	ug/Kg	06/17/14	JLI	SW8260
Total Xylenes	ND	250	ug/Kg	06/17/14	JLI	SW8260
trans-1,2-Dichloroethene	ND	250	ug/Kg	06/17/14	JLI	SW8260
trans-1,3-Dichloropropene	ND	250	ug/Kg	06/17/14	JLI	SW8260
trans-1,4-dichloro-2-butene	ND	500	ug/Kg	06/17/14	JLI	SW8260
Trichloroethene	ND	250	ug/Kg	06/17/14	JLI	SW8260
Trichlorofluoromethane	ND	250	ug/Kg	06/17/14	JLI	SW8260
Trichlorotrifluoroethane	ND	250	ug/Kg	06/17/14	JLI	SW8260
Vinyl chloride	ND	250	ug/Kg	06/17/14	JLI	SW8260
QA/QC Surrogates						
% 1,2-dichlorobenzene-d4	98		%	06/17/14	JLI	70 - 130 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
% Bromofluorobenzene	96		%	06/17/14	JLI	70 - 130 %
% Dibromofluoromethane	88		%	06/17/14	JLI	70 - 130 %
% Toluene-d8	97		%	06/17/14	JLI	70 - 130 %

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

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

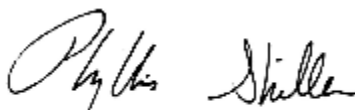
Comments:

TRIP BLANK INCLUDED. %SOLIDS ASSUMED 100%

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

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

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Phyllis Shiller, Laboratory Director

June 20, 2014

Reviewed and Released by: Bobbi Aloisa, Vice President



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

Analysis Report

June 20, 2014

FOR: Attn: Mr Luis Lasanta
 Galli Engineering, P.C.
 35 Pinelawn Road Suite 209E
 Melville, NY 11747

Sample Information

Matrix: SOLID
 Location Code: GALLI-ENG
 Rush Request: Standard
 P.O.#:

Custody Information

Collected by:
 Received by: SW
 Analyzed by: see "By" below

Date Time
 06/09/14 0:00
 06/10/14 17:20

Laboratory Data

SDG ID: GBG55233
 Phoenix ID: BG55239

Project ID: LARCHMONT
 Client ID: FIELD BLANK LOW

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100	1	%	06/09/14		E160.3
Field Extraction	Completed			06/09/14		SW5035

Volatiles

1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	06/18/14	JLI	SW8260
1,1,1-Trichloroethane	ND	5.0	ug/Kg	06/18/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	3.0	ug/Kg	06/18/14	JLI	SW8260
1,1,2-Trichloroethane	ND	5.0	ug/Kg	06/18/14	JLI	SW8260
1,1-Dichloroethane	ND	5.0	ug/Kg	06/18/14	JLI	SW8260
1,1-Dichloroethene	ND	5.0	ug/Kg	06/18/14	JLI	SW8260
1,1-Dichloropropene	ND	5.0	ug/Kg	06/18/14	JLI	SW8260
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	06/18/14	JLI	SW8260
1,2,3-Trichloropropane	ND	5.0	ug/Kg	06/18/14	JLI	SW8260
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	06/18/14	JLI	SW8260
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	06/18/14	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND	5.0	ug/Kg	06/18/14	JLI	SW8260
1,2-Dibromoethane	ND	5.0	ug/Kg	06/18/14	JLI	SW8260
1,2-Dichlorobenzene	ND	5.0	ug/Kg	06/18/14	JLI	SW8260
1,2-Dichloroethane	ND	5.0	ug/Kg	06/18/14	JLI	SW8260
1,2-Dichloropropane	ND	5.0	ug/Kg	06/18/14	JLI	SW8260
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	06/18/14	JLI	SW8260
1,3-Dichlorobenzene	ND	5.0	ug/Kg	06/18/14	JLI	SW8260
1,3-Dichloropropane	ND	5.0	ug/Kg	06/18/14	JLI	SW8260
1,4-Dichlorobenzene	ND	5.0	ug/Kg	06/18/14	JLI	SW8260
2,2-Dichloropropane	ND	5.0	ug/Kg	06/18/14	JLI	SW8260
2-Chlorotoluene	ND	5.0	ug/Kg	06/18/14	JLI	SW8260
2-Hexanone	ND	25	ug/Kg	06/18/14	JLI	SW8260
2-Isopropyltoluene	ND	5.0	ug/Kg	06/18/14	JLI	SW8260

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
4-Chlorotoluene	ND	5.0	ug/Kg	06/18/14	JLI	SW8260
4-Methyl-2-pentanone	ND	25	ug/Kg	06/18/14	JLI	SW8260
Acetone	ND	30	ug/Kg	06/18/14	JLI	SW8260
Acrylonitrile	ND	5.0	ug/Kg	06/18/14	JLI	SW8260
Benzene	ND	5.0	ug/Kg	06/18/14	JLI	SW8260
Bromobenzene	ND	5.0	ug/Kg	06/18/14	JLI	SW8260
Bromochloromethane	ND	5.0	ug/Kg	06/18/14	JLI	SW8260
Bromodichloromethane	ND	5.0	ug/Kg	06/18/14	JLI	SW8260
Bromoform	ND	5.0	ug/Kg	06/18/14	JLI	SW8260
Bromomethane	ND	5.0	ug/Kg	06/18/14	JLI	SW8260
Carbon Disulfide	ND	5.0	ug/Kg	06/18/14	JLI	SW8260
Carbon tetrachloride	ND	5.0	ug/Kg	06/18/14	JLI	SW8260
Chlorobenzene	ND	5.0	ug/Kg	06/18/14	JLI	SW8260
Chloroethane	ND	5.0	ug/Kg	06/18/14	JLI	SW8260
Chloroform	ND	5.0	ug/Kg	06/18/14	JLI	SW8260
Chloromethane	ND	5.0	ug/Kg	06/18/14	JLI	SW8260
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	06/18/14	JLI	SW8260
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	06/18/14	JLI	SW8260
Dibromochloromethane	ND	3.0	ug/Kg	06/18/14	JLI	SW8260
Dibromomethane	ND	5.0	ug/Kg	06/18/14	JLI	SW8260
Dichlorodifluoromethane	ND	5.0	ug/Kg	06/18/14	JLI	SW8260
Ethylbenzene	ND	5.0	ug/Kg	06/18/14	JLI	SW8260
Hexachlorobutadiene	ND	5.0	ug/Kg	06/18/14	JLI	SW8260
Isopropylbenzene	ND	5.0	ug/Kg	06/18/14	JLI	SW8260
m&p-Xylene	ND	5.0	ug/Kg	06/18/14	JLI	SW8260
Methyl Ethyl Ketone	ND	30	ug/Kg	06/18/14	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND	10	ug/Kg	06/18/14	JLI	SW8260
Methylene chloride	ND	5.0	ug/Kg	06/18/14	JLI	SW8260
Naphthalene	ND	5.0	ug/Kg	06/18/14	JLI	SW8260
n-Butylbenzene	ND	5.0	ug/Kg	06/18/14	JLI	SW8260
n-Propylbenzene	ND	5.0	ug/Kg	06/18/14	JLI	SW8260
o-Xylene	ND	5.0	ug/Kg	06/18/14	JLI	SW8260
p-Isopropyltoluene	ND	5.0	ug/Kg	06/18/14	JLI	SW8260
sec-Butylbenzene	ND	5.0	ug/Kg	06/18/14	JLI	SW8260
Styrene	ND	5.0	ug/Kg	06/18/14	JLI	SW8260
tert-Butylbenzene	ND	5.0	ug/Kg	06/18/14	JLI	SW8260
Tetrachloroethene	ND	5.0	ug/Kg	06/18/14	JLI	SW8260
Tetrahydrofuran (THF)	ND	10	ug/Kg	06/18/14	JLI	SW8260
Toluene	ND	5.0	ug/Kg	06/18/14	JLI	SW8260
Total Xylenes	ND	5.0	ug/Kg	06/18/14	JLI	SW8260
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	06/18/14	JLI	SW8260
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	06/18/14	JLI	SW8260
trans-1,4-dichloro-2-butene	ND	10	ug/Kg	06/18/14	JLI	SW8260
Trichloroethene	ND	5.0	ug/Kg	06/18/14	JLI	SW8260
Trichlorofluoromethane	ND	5.0	ug/Kg	06/18/14	JLI	SW8260
Trichlorotrifluoroethane	ND	5.0	ug/Kg	06/18/14	JLI	SW8260
Vinyl chloride	ND	5.0	ug/Kg	06/18/14	JLI	SW8260
<u>QA/QC Surrogates</u>						
% 1,2-dichlorobenzene-d4	98		%	06/18/14	JLI	70 - 130 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
% Bromofluorobenzene	97		%	06/18/14	JLI	70 - 130 %
% Dibromofluoromethane	98		%	06/18/14	JLI	70 - 130 %
% Toluene-d8	94		%	06/18/14	JLI	70 - 130 %

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

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

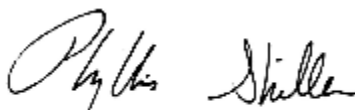
Comments:

TRIP BLANK INCLUDED. %SOLIDS ASSUMED 100%

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

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

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Phyllis Shiller, Laboratory Director

June 20, 2014

Reviewed and Released by: Bobbi Aloisa, Vice President



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QA/QC Report

June 20, 2014

QA/QC Data

SDG I.D.: GBG55233

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
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QA/QC Batch 276584, QC Sample No: BG54285 (BG55233, BG55234, BG55235, BG55236, BG55237)

Hex Chromium - Solid

Hexavalent Cr	BRL	<0.46	<0.46	NC	103						70 - 130	30
Insoluble Cr					102			100			70 - 130	30
Soluble Cr					99.4			97.8			70 - 130	30

QA/QC Batch 276662, QC Sample No: BG54513 (BG55235, BG55236)

Mercury - Water	BRL	<0.0002	<0.0002	NC	109	103	5.7	99.6	98.3	1.3	70 - 130	20
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Comment:

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

QA/QC Batch 276660, QC Sample No: BG54789 (BG55233, BG55234, BG55235, BG55236, BG55237)

Mercury - Soil	BRL	<0.08	<0.08	NC	102	96.4	5.6	106	105	0.9	70 - 130	30
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Comment:

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

QA/QC Batch 276663, QC Sample No: BG55080 (BG55235, BG55236)

ICP Metals - TCLP Extraction

Arsenic	BRL	<0.01	<0.01	NC	111	111	0.0	111	112	0.9	75 - 125	20	
Barium		0.02	0.57	0.58	1.70	105	104	1.0	103	102	1.0	75 - 125	20
Cadmium	BRL	<0.004	<0.005	NC	97.0	95.3	1.8	94.4	94.5	0.1	75 - 125	20	
Chromium	BRL	<0.010	<0.010	NC	102	100	2.0	100	100	0.0	75 - 125	20	
Lead	BRL	0.096	0.099	3.10	99.4	99.3	0.1	98.6	98.7	0.1	75 - 125	20	
Selenium	BRL	<0.04	0.02	NC	114	114	0.0	114	114	0.0	75 - 125	20	
Silver	BRL	<0.005	<0.010	NC	109	109	0.0	111	111	0.0	75 - 125	20	

QA/QC Batch 276623, QC Sample No: BG55234 (BG55233, BG55234, BG55235, BG55236, BG55237)

ICP Metals - Soil

Aluminum	BRL	7850	8220	4.60	110	111	0.9	NC	NC	NC	75 - 125	30	
Antimony	BRL	<4.3	<4.1	NC	91.6	93.1	1.6	90.0	91.2	1.3	75 - 125	30	
Arsenic	BRL	2.4	2.36	NC	94.0	95.0	1.1	91.6	92.3	0.8	75 - 125	30	
Barium	BRL	55.0	61.2	10.7	106	112	5.5	101	103	2.0	75 - 125	30	
Beryllium	BRL	0.35	0.39	NC	99.4	101	1.6	97.8	98.5	0.7	75 - 125	30	
Cadmium	BRL	<0.43	<0.41	NC	86.6	90.3	4.2	87.9	88.4	0.6	75 - 125	30	
Calcium	BRL	2120	2340	9.90	98.0	98.9	0.9	NC	NC	NC	75 - 125	30	
Chromium	BRL	18.3	20.8	12.8	99.7	101	1.3	99.6	100	0.4	75 - 125	30	
Cobalt	BRL	8.65	8.99	3.90	96.4	98.0	1.6	93.7	94.8	1.2	75 - 125	30	
Copper	BRL	21.2	22.7	6.80	112	116	3.5	111	112	0.9	75 - 125	30	
Iron		12.6	17800	18100	1.70	109	111	1.8	NC	NC	NC	75 - 125	30
Lead	BRL	4.32	4.96	13.8	91.9	93.6	1.8	92.6	92.9	0.3	75 - 125	30	
Magnesium	BRL	3740	4130	9.90	102	106	3.8	NC	NC	NC	75 - 125	30	
Manganese	BRL	147	173	16.3	100	101	1.0	>130	>130	NC	75 - 125	30	m
Nickel	BRL	16.2	17.0	4.80	94.4	96.7	2.4	91.4	92.9	1.6	75 - 125	30	
Potassium	BRL	2630	2920	10.5	116	118	1.7	>130	>130	NC	75 - 125	30	m
Selenium	BRL	<1.7	2.0	NC	81.2	85.3	4.9	80.9	82.2	1.6	75 - 125	30	

QA/QC Data

SDG I.D.: GBG55233

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Silver	BRL	<0.43	<0.41	NC	97.3	99.2	1.9	99.2	99.9	0.7	75 - 125	30	
Sodium	BRL	144	170	16.6	111	111	0.0	>130	>130	NC	75 - 125	30	m
Thallium	BRL	<3.8	<3.7	NC	96.1	97.7	1.7	94.4	95.0	0.6	75 - 125	30	
Vanadium	BRL	25.0	29.6	16.8	105	107	1.9	108	108	0.0	75 - 125	30	
Zinc	BRL	34.2	37.4	8.90	90.5	91.9	1.5	95.1	95.2	0.1	75 - 125	30	

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



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QA/QC Report

June 20, 2014

QA/QC Data

SDG I.D.: GBG55233

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 276659, QC Sample No: BG55080 (BG55235, BG55236)												
Flash Point		>200	>200	NC	100						85 - 115	30
QA/QC Batch 276646, QC Sample No: BG55234 (BG55233, BG55234, BG55235, BG55236, BG55237)												
Total Cyanide	BRL	<0.64	<0.64	NC	95.8			90.0			85 - 115	30
QA/QC Batch 276665, QC Sample No: BG55241 (BG55233, BG55234, BG55235, BG55236, BG55237)												
pH - Soil		7.17	7.24	1.00	96.9						85 - 115	20
QA/QC Batch 276725, QC Sample No: BG55449 (BG55235, BG55236)												
Reactivity Cyanide	BRL	<5.6	<5.6	NC	102						85 - 115	30



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QA/QC Report

June 20, 2014

QA/QC Data

SDG I.D.: GBG55233

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 276581, QC Sample No: BG53507 (BG55235, BG55236)									
Chlorinated Herbicides									
2,4,5-TP (Silvex)	ND	76	82	7.6				40 - 140	20
2,4-D	ND	95	98	3.1				40 - 140	20
% DCAA (Surrogate Rec)	88	72	77	6.7				30 - 150	20
QA/QC Batch 276614, QC Sample No: BG55080 (BG55233, BG55234, BG55235, BG55236, BG55237)									
Pesticides - Solid									
4,4' -DDD	ND	112	120	6.9	103	118	13.6	40 - 140	30
4,4' -DDE	ND	113	122	7.7	111	127	13.4	40 - 140	30
4,4' -DDT	ND	110	118	7.0	111	131	16.5	40 - 140	30
a-BHC	ND	109	115	5.4	102	115	12.0	40 - 140	30
a-Chlordane	ND	109	117	7.1	100	115	14.0	40 - 140	30
Alachlor	ND	NA	NA	NC	NA	NA	NC	40 - 140	30
Aldrin	ND	107	113	5.5	94	106	12.0	40 - 140	30
b-BHC	ND	108	116	7.1	102	117	13.7	40 - 140	30
Chlordane	ND	109	114	4.5	98	112	13.3	40 - 140	30
d-BHC	ND	83	86	3.6	91	112	20.7	40 - 140	30
Dieldrin	ND	111	119	7.0	111	133	18.0	40 - 140	30
Endosulfan I	ND	107	110	2.8	101	115	13.0	40 - 140	30
Endosulfan II	ND	88	71	21.4	95	109	13.7	40 - 140	30
Endosulfan sulfate	ND	90	72	22.2	74	87	16.1	40 - 140	30
Endrin	ND	113	121	6.8	106	122	14.0	40 - 140	30
Endrin aldehyde	ND	93	63	38.5	76	86	12.3	40 - 140	30
Endrin ketone	ND	111	95	15.5	91	107	16.2	40 - 140	30
g-BHC	ND	107	113	5.5	101	116	13.8	40 - 140	30
g-Chlordane	ND	107	114	6.3	98	112	13.3	40 - 140	30
Heptachlor	ND	106	113	6.4	99	113	13.2	40 - 140	30
Heptachlor epoxide	ND	109	117	7.1	101	117	14.7	40 - 140	30
Methoxychlor	ND	111	111	0.0	106	128	18.8	40 - 140	30
Toxaphene	ND	NA	NA	NC	NA	NA	NC	40 - 140	30
% DCBP	96	101	98	3.0	74	98	27.9	30 - 150	30
% TCMX	103	108	106	1.9	78	104	28.6	30 - 150	30

Comment:

Alpha and gamma chlordane were spiked and analyzed instead of technical chlordane. Gamma chlordane recovery is reported in the LCS, LCSD, MS and MSD.

QA/QC Batch 276615, QC Sample No: BG55080 (BG55233, BG55234, BG55235, BG55236, BG55237)

Polychlorinated Biphenyls - Solid

PCB-1016	ND	108	103	4.7	96	92	4.3	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

QA/QC Data

SDG I.D.: GBG55233

Parameter	Blank	LCS %	LCS D %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
PCB-1254	ND							40 - 140	30
PCB-1260	ND	109	111	1.8	105	101	3.9	40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	122	122	119	2.5	113	113	0.0	30 - 150	30
% TCMX (Surrogate Rec)	121	120	119	0.8	111	110	0.9	30 - 150	30

QA/QC Batch 276666, QC Sample No: BG55084 (BG55235, BG55236)

Semivolatiles

1,4-Dichlorobenzene	ND	85	84	1.2				30 - 130	20
2,4,5-Trichlorophenol	ND	103	106	2.9				30 - 130	20
2,4,6-Trichlorophenol	ND	98	100	2.0				30 - 130	20
2,4-Dinitrotoluene	ND	94	93	1.1				30 - 130	20
2-Methylphenol (o-cresol)	ND	75	74	1.3				30 - 130	20
3&4-Methylphenol (m&p-cresol)	ND	79	78	1.3				30 - 130	20
Hexachlorobenzene	ND	86	83	3.6				30 - 130	20
Hexachlorobutadiene	ND	101	104	2.9				30 - 130	20
Hexachloroethane	ND	82	82	0.0				30 - 130	20
Nitrobenzene	ND	81	77	5.1				30 - 130	20
Pentachlorophenol	ND	94	98	4.2				30 - 130	20
Pyridine	ND	19	24	23.3				30 - 130	20
% 2,4,6-Tribromophenol	77	85	76	11.2				15 - 110	20
% 2-Fluorobiphenyl	78	85	85	0.0				30 - 130	20
% 2-Fluorophenol	59	59	62	5.0				15 - 110	20
% Nitrobenzene-d5	68	78	75	3.9				30 - 130	20
% Phenol-d5	47	49	48	2.1				15 - 110	20
% Terphenyl-d14	93	98	103	5.0				30 - 130	20

Lr

Comment:

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

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

QA/QC Batch 276638, QC Sample No: BG55254 (BG55235, BG55236)

Pesticides

4,4' -DDD	ND	94	78	18.6				40 - 140	20
4,4' -DDE	ND	92	77	17.8				40 - 140	20
4,4' -DDT	ND	103	84	20.3				40 - 140	20
a-BHC	ND	92	77	17.8				40 - 140	20
a-Chlordane	ND	92	78	16.5				40 - 140	20
Alachlor	ND	NA	NA	NC				40 - 140	20
Aldrin	ND	77	66	15.4				40 - 140	20
b-BHC	ND	91	79	14.1				40 - 140	20
Chlordane	ND	90	77	15.6				40 - 140	20
d-BHC	ND	68	59	14.2				40 - 140	20
Dieldrin	ND	94	79	17.3				40 - 140	20
Endosulfan I	ND	93	81	13.8				40 - 140	20
Endosulfan II	ND	94	82	13.6				40 - 140	20
Endosulfan sulfate	ND	89	74	18.4				40 - 140	20
Endrin	ND	97	83	15.6				40 - 140	20
Endrin aldehyde	ND	106	92	14.1				40 - 140	20
g-BHC	ND	95	78	19.7				40 - 140	20
g-Chlordane	ND	90	77	15.6				40 - 140	20
Heptachlor	ND	92	79	15.2				40 - 140	20

QA/QC Data

SDG I.D.: GBG55233

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Heptachlor epoxide	ND	93	80	15.0				40 - 140	20
Methoxychlor	ND	107	90	17.3				40 - 140	20
Toxaphene	ND	NA	NA	NC				40 - 140	20
% DCBP	120	123	105	15.8				30 - 150	20
% TCMX	98	93	78	17.5				30 - 150	20

Comment:

A LCS and LCS duplicate were performed instead of a MS and MSD. Alpha and gamma chlordane were spiked and analyzed instead of technical chlordane. Gamma chlordane recovery is reported in the LCS, LCSD, MS and MSD.

QA/QC Batch 276612, QC Sample No: BG55270 (BG55233, BG55234, BG55235, BG55236, BG55237)

Semivolatiles - Solid

1,2,4,5-Tetrachlorobenzene	ND	81	78	3.8	92	89	3.3	30 - 130	30	
1,2,4-Trichlorobenzene	ND	74	72	2.7	88	88	0.0	30 - 130	30	
1,2-Dichlorobenzene	ND	70	68	2.9	84	83	1.2	30 - 130	30	
1,2-Diphenylhydrazine	ND	82	82	0.0	89	97	8.6	30 - 130	30	
1,3-Dichlorobenzene	ND	69	66	4.4	83	83	0.0	30 - 130	30	
1,4-Dichlorobenzene	ND	68	66	3.0	82	82	0.0	30 - 130	30	
2,4,5-Trichlorophenol	ND	94	92	2.2	105	108	2.8	30 - 130	30	
2,4,6-Trichlorophenol	ND	91	90	1.1	102	103	1.0	30 - 130	30	
2,4-Dichlorophenol	ND	86	84	2.4	96	95	1.0	30 - 130	30	
2,4-Dimethylphenol	ND	50	50	0.0	62	60	3.3	30 - 130	30	
2,4-Dinitrophenol	ND	21	24	13.3	13	<10	NC	30 - 130	30	l,m
2,4-Dinitrotoluene	ND	89	87	2.3	98	110	11.5	30 - 130	30	
2,6-Dinitrotoluene	ND	88	87	1.1	95	98	3.1	30 - 130	30	
2-Chloronaphthalene	ND	84	82	2.4	95	96	1.0	30 - 130	30	
2-Chlorophenol	ND	78	75	3.9	90	88	2.2	30 - 130	30	
2-Methylnaphthalene	ND	80	78	2.5	87	88	1.1	30 - 130	30	
2-Methylphenol (o-cresol)	ND	75	73	2.7	82	86	4.8	30 - 130	30	
2-Nitroaniline	ND	130	125	3.9	133	174	26.7	30 - 130	30	m
2-Nitrophenol	ND	83	82	1.2	100	115	14.0	30 - 130	30	
3&4-Methylphenol (m&p-cresol)	ND	78	77	1.3	88	83	5.8	30 - 130	30	
3,3'-Dichlorobenzidine	ND	124	134	7.8	95	95	0.0	30 - 130	30	l
3-Nitroaniline	ND	159	164	3.1	142	165	15.0	30 - 130	30	l,m
4,6-Dinitro-2-methylphenol	ND	79	77	2.6	30	11	92.7	30 - 130	30	m,r
4-Bromophenyl phenyl ether	ND	89	87	2.3	88	78	12.0	30 - 130	30	
4-Chloro-3-methylphenol	ND	91	88	3.4	100	95	5.1	30 - 130	30	
4-Chloroaniline	ND	75	80	6.5	52	68	26.7	30 - 130	30	
4-Chlorophenyl phenyl ether	ND	85	85	0.0	97	101	4.0	30 - 130	30	
4-Nitroaniline	ND	90	90	0.0	97	97	0.0	30 - 130	30	
4-Nitrophenol	ND	99	96	3.1	125	163	26.4	30 - 130	30	m
Acenaphthene	ND	80	81	1.2	91	97	6.4	30 - 130	30	
Acenaphthylene	ND	81	80	1.2	91	95	4.3	30 - 130	30	
Acetophenone	ND	77	76	1.3	90	89	1.1	30 - 130	30	
Aniline	ND	81	81	0.0	37	74	66.7	30 - 130	30	r
Anthracene	ND	83	84	1.2	85	94	10.1	30 - 130	30	
Benz(a)anthracene	ND	86	86	0.0	NC	NC	NC	30 - 130	30	
Benzidine	ND	>200	>200	NC	<10	<10	NC	30 - 130	30	l,m
Benzo(a)pyrene	ND	78	79	1.3	43	71	49.1	30 - 130	30	r
Benzo(b)fluoranthene	ND	92	90	2.2	NC	NC	NC	30 - 130	30	
Benzo(ghi)perylene	ND	86	75	13.7	90	89	1.1	30 - 130	30	
Benzo(k)fluoranthene	ND	86	90	4.5	69	94	30.7	30 - 130	30	r
Benzyl butyl phthalate	ND	91	87	4.5	134	128	4.6	30 - 130	30	m
Bis(2-chloroethoxy)methane	ND	79	78	1.3	90	91	1.1	30 - 130	30	

QA/QC Data

SDG I.D.: GBG55233

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Bis(2-chloroethyl)ether	ND	69	66	4.4	89	86	3.4	30 - 130	30
Bis(2-chloroisopropyl)ether	ND	76	74	2.7	85	84	1.2	30 - 130	30
Bis(2-ethylhexyl)phthalate	ND	85	83	2.4	96	106	9.9	30 - 130	30
Carbazole	ND	156	156	0.0	>200	>200	NC	30 - 130	30
Chrysene	ND	86	86	0.0	71	76	6.8	30 - 130	30
Dibenz(a,h)anthracene	ND	87	78	10.9	111	114	2.7	30 - 130	30
Dibenzofuran	ND	82	82	0.0	90	98	8.5	30 - 130	30
Diethyl phthalate	ND	86	85	1.2	96	102	6.1	30 - 130	30
Dimethylphthalate	ND	84	83	1.2	93	95	2.1	30 - 130	30
Di-n-butylphthalate	ND	83	86	3.6	104	108	3.8	30 - 130	30
Di-n-octylphthalate	ND	80	82	2.5	103	99	4.0	30 - 130	30
Fluoranthene	ND	82	86	4.8	NC	NC	NC	30 - 130	30
Fluorene	ND	82	83	1.2	93	103	10.2	30 - 130	30
Hexachlorobenzene	ND	83	83	0.0	89	86	3.4	30 - 130	30
Hexachlorobutadiene	ND	77	74	4.0	91	91	0.0	30 - 130	30
Hexachlorocyclopentadiene	ND	71	64	10.4	18	<10	NC	30 - 130	30
Hexachloroethane	ND	72	68	5.7	86	81	6.0	30 - 130	30
Indeno(1,2,3-cd)pyrene	ND	86	76	12.3	91	98	7.4	30 - 130	30
Isophorone	ND	82	82	0.0	93	96	3.2	30 - 130	30
Naphthalene	ND	74	73	1.4	75	82	8.9	30 - 130	30
Nitrobenzene	ND	77	74	4.0	86	83	3.6	30 - 130	30
N-Nitrosodimethylamine	ND	68	66	3.0	78	87	10.9	30 - 130	30
N-Nitrosodi-n-propylamine	ND	78	77	1.3	83	82	1.2	30 - 130	30
N-Nitrosodiphenylamine	ND	101	99	2.0	113	124	9.3	30 - 130	30
Pentachloronitrobenzene	ND	89	89	0.0	100	98	2.0	30 - 130	30
Pentachlorophenol	ND	81	81	0.0	133	133	0.0	30 - 130	30
Phenanthrene	ND	84	84	0.0	NC	NC	NC	30 - 130	30
Phenol	ND	82	79	3.7	96	99	3.1	30 - 130	30
Pyrene	ND	83	89	7.0	NC	NC	NC	30 - 130	30
Pyridine	ND	60	62	3.3	83	86	3.6	30 - 130	30
% 2,4,6-Tribromophenol	79	84	87	3.5	88	86	2.3	30 - 130	30
% 2-Fluorobiphenyl	72	76	76	0.0	86	86	0.0	30 - 130	30
% 2-Fluorophenol	68	67	65	3.0	80	81	1.2	30 - 130	30
% Nitrobenzene-d5	68	74	71	4.1	81	77	5.1	30 - 130	30
% Phenol-d5	74	74	72	2.7	82	81	1.2	30 - 130	30
% Terphenyl-d14	82	83	92	10.3	116	101	13.8	30 - 130	30

Comment:

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

QA/QC Batch 277324, QC Sample No: BG55287 (BG55233, BG55234, BG55235, BG55236, BG55237, BG55238 (50X) , BG55239)

Volatiles - Solid

1,1,1,2-Tetrachloroethane	ND	105	104	1.0	104	108	3.8	70 - 130	30
1,1,1-Trichloroethane	ND	110	103	6.6	111	116	4.4	70 - 130	30
1,1,2,2-Tetrachloroethane	ND	119	116	2.6	113	114	0.9	70 - 130	30
1,1,2-Trichloroethane	ND	112	107	4.6	113	112	0.9	70 - 130	30
1,1-Dichloroethane	ND	110	105	4.7	114	117	2.6	70 - 130	30
1,1-Dichloroethene	ND	110	104	5.6	117	119	1.7	70 - 130	30
1,1-Dichloropropene	ND	112	107	4.6	112	118	5.2	70 - 130	30
1,2,3-Trichlorobenzene	ND	112	106	5.5	96	91	5.3	70 - 130	30
1,2,3-Trichloropropane	ND	115	110	4.4	117	122	4.2	70 - 130	30
1,2,4-Trichlorobenzene	ND	113	107	5.5	90	87	3.4	70 - 130	30
1,2,4-Trimethylbenzene	ND	106	102	3.8	86	93	7.8	70 - 130	30

QA/QC Data

SDG I.D.: GBG55233

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
1,2-Dibromo-3-chloropropane	ND	113	114	0.9	103	112	8.4	70 - 130	30
1,2-Dibromoethane	ND	113	110	2.7	113	112	0.9	70 - 130	30
1,2-Dichlorobenzene	ND	108	105	2.8	104	102	1.9	70 - 130	30
1,2-Dichloroethane	ND	105	107	1.9	109	113	3.6	70 - 130	30
1,2-Dichloropropane	ND	110	109	0.9	117	116	0.9	70 - 130	30
1,3,5-Trimethylbenzene	ND	110	106	3.7	109	109	0.0	70 - 130	30
1,3-Dichlorobenzene	ND	108	104	3.8	101	101	0.0	70 - 130	30
1,3-Dichloropropane	ND	106	107	0.9	108	111	2.7	70 - 130	30
1,4-Dichlorobenzene	ND	110	102	7.5	104	101	2.9	70 - 130	30
2,2-Dichloropropane	ND	113	105	7.3	105	111	5.6	70 - 130	30
2-Chlorotoluene	ND	110	106	3.7	109	107	1.9	70 - 130	30
2-Hexanone	ND	87	84	3.5	91	98	7.4	70 - 130	30
2-Isopropyltoluene	ND	112	109	2.7	111	110	0.9	70 - 130	30
4-Chlorotoluene	ND	105	102	2.9	101	101	0.0	70 - 130	30
4-Methyl-2-pentanone	ND	100	97	3.0	109	118	7.9	70 - 130	30
Acetone	ND	100	89	11.6	105	108	2.8	70 - 130	30
Acrylonitrile	ND	124	114	8.4	116	126	8.3	70 - 130	30
Benzene	ND	113	109	3.6	113	114	0.9	70 - 130	30
Bromobenzene	ND	109	104	4.7	105	103	1.9	70 - 130	30
Bromochloromethane	ND	110	106	3.7	108	113	4.5	70 - 130	30
Bromodichloromethane	ND	112	112	0.0	111	112	0.9	70 - 130	30
Bromoform	ND	110	106	3.7	101	109	7.6	70 - 130	30
Bromomethane	ND	103	91	12.4	106	103	2.9	70 - 130	30
Carbon Disulfide	ND	133	124	7.0	109	116	6.2	70 - 130	30
Carbon tetrachloride	ND	111	107	3.7	113	116	2.6	70 - 130	30
Chlorobenzene	ND	106	106	0.0	106	108	1.9	70 - 130	30
Chloroethane	ND	105	98	6.9	108	107	0.9	70 - 130	30
Chloroform	ND	110	104	5.6	115	115	0.0	70 - 130	30
Chloromethane	ND	119	110	7.9	105	107	1.9	70 - 130	30
cis-1,2-Dichloroethene	ND	117	106	9.9	114	117	2.6	70 - 130	30
cis-1,3-Dichloropropene	ND	117	115	1.7	110	111	0.9	70 - 130	30
Dibromochloromethane	ND	110	107	2.8	107	108	0.9	70 - 130	30
Dibromomethane	ND	109	107	1.9	109	112	2.7	70 - 130	30
Dichlorodifluoromethane	ND	113	102	10.2	88	90	2.2	70 - 130	30
Ethylbenzene	ND	111	107	3.7	105	110	4.7	70 - 130	30
Hexachlorobutadiene	ND	121	116	4.2	97	95	2.1	70 - 130	30
Isopropylbenzene	ND	113	108	4.5	111	113	1.8	70 - 130	30
m&p-Xylene	ND	106	104	1.9	100	104	3.9	70 - 130	30
Methyl ethyl ketone	ND	100	89	11.6	110	120	8.7	70 - 130	30
Methyl t-butyl ether (MTBE)	ND	109	109	0.0	108	108	0.0	70 - 130	30
Methylene chloride	ND	149	139	6.9	103	103	0.0	70 - 130	30
Naphthalene	ND	118	110	7.0	85	90	5.7	70 - 130	30
n-Butylbenzene	ND	112	108	3.6	107	104	2.8	70 - 130	30
n-Propylbenzene	ND	106	102	3.8	108	109	0.9	70 - 130	30
o-Xylene	ND	108	107	0.9	109	113	3.6	70 - 130	30
p-Isopropyltoluene	ND	113	107	5.5	109	108	0.9	70 - 130	30
sec-Butylbenzene	ND	114	110	3.6	110	110	0.0	70 - 130	30
Styrene	ND	111	109	1.8	104	105	1.0	70 - 130	30
tert-Butylbenzene	ND	111	106	4.6	113	113	0.0	70 - 130	30
Tetrachloroethene	ND	106	103	2.9	104	112	7.4	70 - 130	30
Tetrahydrofuran (THF)	ND	120	114	5.1	117	133	12.8	70 - 130	30
Toluene	ND	113	110	2.7	112	114	1.8	70 - 130	30
trans-1,2-Dichloroethene	ND	115	104	10.0	93	96	3.2	70 - 130	30

QA/QC Data

SDG I.D.: GBG55233

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
trans-1,3-Dichloropropene	ND	117	114	2.6	111	110	0.9	70 - 130	30
trans-1,4-dichloro-2-butene	ND	121	118	2.5	107	112	4.6	70 - 130	30
Trichloroethene	ND	113	109	3.6	116	119	2.6	70 - 130	30
Trichlorofluoromethane	ND	104	97	7.0	110	113	2.7	70 - 130	30
Trichlorotrifluoroethane	ND	111	107	3.7	110	117	6.2	70 - 130	30
Vinyl chloride	ND	115	107	7.2	109	113	3.6	70 - 130	30
% 1,2-dichlorobenzene-d4	97	102	101	1.0	99	100	1.0	70 - 130	30
% Bromofluorobenzene	98	101	101	0.0	99	101	2.0	70 - 130	30
% Dibromofluoromethane	97	96	98	2.1	99	103	4.0	70 - 130	30
% Toluene-d8	95	102	102	0.0	101	101	0.0	70 - 130	30

Comment:

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

QA/QC Batch 276816, QC Sample No: BG55885 (BG55235 (2X) , BG55236 (2X))

Volatiles - TCLP

1,1-Dichloroethene	ND	94	97	3.1	108	94	13.9	70 - 130	30
1,2-Dichloroethane	ND	103	104	1.0	104	105	1.0	70 - 130	30
Benzene	ND	101	103	2.0	101	99	2.0	70 - 130	30
Carbon tetrachloride	ND	99	101	2.0	101	97	4.0	70 - 130	30
Chlorobenzene	ND	104	101	2.9	100	97	3.0	70 - 130	30
Chloroform	ND	100	101	1.0	103	98	5.0	70 - 130	30
Methyl ethyl ketone	ND	87	96	9.8	89	96	7.6	70 - 130	30
Tetrachloroethene	ND	102	102	0.0	96	96	0.0	70 - 130	30
Trichloroethene	ND	104	104	0.0	102	97	5.0	70 - 130	30
Vinyl chloride	ND	117	102	13.7	103	98	5.0	70 - 130	30
% 1,2-dichlorobenzene-d4	101	98	100	2.0	100	102	2.0	70 - 130	30
% Bromofluorobenzene	95	101	99	2.0	104	100	3.9	70 - 130	30
% Dibromofluoromethane	99	104	102	1.9	99	99	0.0	70 - 130	30
% Toluene-d8	100	101	99	2.0	101	100	1.0	70 - 130	30

Comment:

A blank MS/MSD was analyzed with this batch.

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

QA/QC Batch 277632, QC Sample No: BG62276 (BG55237)

Volatiles - Solid

1,1,1,2-Tetrachloroethane	ND	102	101	1.0	93	99	6.3	70 - 130	30
1,1,1-Trichloroethane	ND	100	106	5.8	104	112	7.4	70 - 130	30
1,1,2,2-Tetrachloroethane	ND	122	121	0.8	106	116	9.0	70 - 130	30
1,1,2-Trichloroethane	ND	106	103	2.9	102	106	3.8	70 - 130	30
1,1-Dichloroethane	ND	105	111	5.6	109	116	6.2	70 - 130	30
1,1-Dichloroethene	ND	101	108	6.7	93	105	12.1	70 - 130	30
1,1-Dichloropropene	ND	105	106	0.9	109	116	6.2	70 - 130	30
1,2,3-Trichlorobenzene	ND	100	102	2.0	96	97	1.0	70 - 130	30
1,2,3-Trichloropropane	ND	114	115	0.9	105	114	8.2	70 - 130	30
1,2,4-Trichlorobenzene	ND	102	102	0.0	96	101	5.1	70 - 130	30
1,2,4-Trimethylbenzene	ND	102	103	1.0	106	115	8.1	70 - 130	30
1,2-Dibromo-3-chloropropane	ND	107	104	2.8	92	103	11.3	70 - 130	30
1,2-Dibromoethane	ND	105	104	1.0	99	103	4.0	70 - 130	30
1,2-Dichlorobenzene	ND	102	102	0.0	99	106	6.8	70 - 130	30
1,2-Dichloroethane	ND	104	103	1.0	96	101	5.1	70 - 130	30
1,2-Dichloropropane	ND	108	111	2.7	109	113	3.6	70 - 130	30
1,3,5-Trimethylbenzene	ND	107	107	0.0	106	116	9.0	70 - 130	30
1,3-Dichlorobenzene	ND	99	100	1.0	98	107	8.8	70 - 130	30

QA/QC Data

SDG I.D.: GBG55233

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
1,3-Dichloropropane	ND	108	105	2.8	99	108	8.7	70 - 130	30
1,4-Dichlorobenzene	ND	101	102	1.0	101	107	5.8	70 - 130	30
2,2-Dichloropropane	ND	102	106	3.8	103	108	4.7	70 - 130	30
2-Chlorotoluene	ND	105	105	0.0	105	114	8.2	70 - 130	30
2-Hexanone	ND	86	86	0.0	86	94	8.9	70 - 130	30
2-Isopropyltoluene	ND	107	107	0.0	110	119	7.9	70 - 130	30
4-Chlorotoluene	ND	100	102	2.0	101	108	6.7	70 - 130	30
4-Methyl-2-pentanone	ND	98	95	3.1	99	105	5.9	70 - 130	30
Acetone	ND	89	89	0.0	75	83	10.1	70 - 130	30
Acrylonitrile	ND	120	124	3.3	115	130	12.2	70 - 130	30
Benzene	ND	109	107	1.9	105	113	7.3	70 - 130	30
Bromobenzene	ND	101	101	0.0	98	106	7.8	70 - 130	30
Bromochloromethane	ND	102	108	5.7	97	103	6.0	70 - 130	30
Bromodichloromethane	ND	104	107	2.8	95	99	4.1	70 - 130	30
Bromoform	ND	99	100	1.0	85	91	6.8	70 - 130	30
Bromomethane	ND	93	102	9.2	60	72	18.2	70 - 130	30 m
Carbon Disulfide	ND	121	127	4.8	90	99	9.5	70 - 130	30
Carbon tetrachloride	ND	102	103	1.0	101	93	8.2	70 - 130	30
Chlorobenzene	ND	101	102	1.0	102	107	4.8	70 - 130	30
Chloroethane	ND	99	102	3.0	28	34	19.4	70 - 130	30 m
Chloroform	ND	104	105	1.0	104	108	3.8	70 - 130	30
Chloromethane	ND	112	116	3.5	112	119	6.1	70 - 130	30
cis-1,2-Dichloroethene	ND	109	111	1.8	108	114	5.4	70 - 130	30
cis-1,3-Dichloropropene	ND	111	112	0.9	102	107	4.8	70 - 130	30
Dibromochloromethane	ND	105	106	0.9	94	98	4.2	70 - 130	30
Dibromomethane	ND	105	106	0.9	98	102	4.0	70 - 130	30
Dichlorodifluoromethane	ND	101	106	4.8	94	103	9.1	70 - 130	30
Ethylbenzene	ND	106	107	0.9	104	114	9.2	70 - 130	30
Hexachlorobutadiene	ND	108	96	11.8	102	105	2.9	70 - 130	30
Isopropylbenzene	ND	105	104	1.0	110	122	10.3	70 - 130	30
m&p-Xylene	ND	100	103	3.0	102	111	8.5	70 - 130	30
Methyl ethyl ketone	ND	92	95	3.2	90	103	13.5	70 - 130	30
Methyl t-butyl ether (MTBE)	ND	105	105	0.0	92	93	1.1	70 - 130	30
Methylene chloride	ND	98	101	3.0	96	102	6.1	70 - 130	30
Naphthalene	ND	110	110	0.0	103	112	8.4	70 - 130	30
n-Butylbenzene	ND	108	108	0.0	113	122	7.7	70 - 130	30
n-Propylbenzene	ND	102	99	3.0	110	121	9.5	70 - 130	30
o-Xylene	ND	105	105	0.0	105	111	5.6	70 - 130	30
p-Isopropyltoluene	ND	106	106	0.0	109	117	7.1	70 - 130	30
sec-Butylbenzene	ND	109	110	0.9	112	122	8.5	70 - 130	30
Styrene	ND	105	107	1.9	105	110	4.7	70 - 130	30
tert-Butylbenzene	ND	106	106	0.0	110	120	8.7	70 - 130	30
Tetrachloroethene	ND	97	98	1.0	99	109	9.6	70 - 130	30
Tetrahydrofuran (THF)	ND	117	125	6.6	116	127	9.1	70 - 130	30
Toluene	ND	105	106	0.9	106	114	7.3	70 - 130	30
trans-1,2-Dichloroethene	ND	105	97	7.9	88	95	7.7	70 - 130	30
trans-1,3-Dichloropropene	ND	113	113	0.0	97	101	4.0	70 - 130	30
trans-1,4-dichloro-2-butene	ND	120	117	2.5	103	112	8.4	70 - 130	30
Trichloroethene	ND	104	105	1.0	102	106	3.8	70 - 130	30
Trichlorofluoromethane	ND	96	101	5.1	35	36	2.8	70 - 130	30 m
Trichlorotrifluoroethane	ND	101	106	4.8	98	106	7.8	70 - 130	30
Vinyl chloride	ND	109	114	4.5	116	128	9.8	70 - 130	30
% 1,2-dichlorobenzene-d4	93	99	94	5.2	96	97	1.0	70 - 130	30

QA/QC Data

SDG I.D.: GBG55233

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
% Bromofluorobenzene	96	102	98	4.0	98	97	1.0	70 - 130	30
% Dibromofluoromethane	90	92	89	3.3	94	91	3.2	70 - 130	30
% Toluene-d8	92	101	100	1.0	100	99	1.0	70 - 130	30

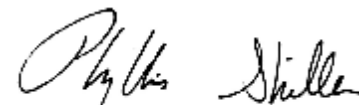
Comment:

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

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

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

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



Phyllis Shiller, Laboratory Director
June 20, 2014

Sample Criteria Exceedences Report

Criteria: NY: 375, 375RRS, 375RS

GBG55233 - GALLI-ENG

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BG55234	\$8260MAR	Acetone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	110	66	50	50	ug/Kg
BG55235	CR-SM	Chromium	NY / 375-6.8 Metals / Unrestricted Use Soil	40.0	0.43	30		mg/Kg
BG55236	\$8260MAR	Acetone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	140	97	50	50	ug/Kg
BG55236	CR-SM	Chromium	NY / 375-6.8 Metals / Unrestricted Use Soil	84.2	0.45	30		mg/Kg
BG55236	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	51.3	0.45	50	50	mg/kg
BG55236	NI-SM	Nickel	NY / 375-6.8 Metals / Unrestricted Use Soil	45.5	0.45	30	30	mg/Kg
BG55237	CR-SM	Chromium	NY / 375-6.8 Metals / Unrestricted Use Soil	57.2	0.37	30		mg/Kg
BG55238	\$8260MER	Vinyl chloride	NY / 375-6.8 Volatiles / Residential	ND	250	210	210	ug/Kg
BG55238	\$8260MER	Vinyl chloride	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	250	20	20	ug/Kg
BG55238	\$8260MER	trans-1,2-Dichloroethene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	250	190	190	ug/Kg
BG55238	\$8260MER	Methylene chloride	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	500	50	50	ug/Kg
BG55238	\$8260MER	Methyl Ethyl Ketone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	3000	120	120	ug/Kg
BG55238	\$8260MER	Benzene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	250	60	60	ug/Kg
BG55238	\$8260MER	Acetone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	5000	50	50	ug/Kg
BG55238	\$8260MER	1,2-Dichloroethane	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	250	20	20	ug/Kg

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



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



NY Temperature Narration

June 20, 2014

SDG I.D.: GBG55233

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



NY/NJ CHAIN OF CUSTODY RECORD

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:

Email: vfrank@gallieng.com

Customer: Galli Engineering
 Address: 35 Pineawn Road SE 207E
 Melville, NY 11747
 Project: LARCHMONT
 Report to: WISASANTA
 Invoice to: WISASANTA
 Project P.O. phone #: 621-271-9292
 Fax #:

Sampler's Signature: *[Signature]* Date: 6/19/14

Client Sample - Identification - Identification

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

Phoenix Sample #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	Analysis Request
55233	WC-1	S	6/19/14	8:30am	X
55234	WC-2			9:30am	X
55235	WC-3 (10-15')			10:30am	X
55236	WC-4 (5-8')			11:30am	X
55237	WC-5 (5-10')			12:00pm	X
55238	Field Blank-H				
55239	Field Blank-L				

Analysis Request	GL-SOL	GL-10A Methanol	GL-Soil container	40 ml VOA Vial	GL Amber 100ml	PL As is	PL H2SO4	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
VOCS 8263	X	X	X	X	X	X	X	X	X	X
Total Metals 8270	X	X	X	X	X	X	X	X	X	X
Hexachlorocyclopentadiene 8081	X	X	X	X	X	X	X	X	X	X
Pesticides 8082	X	X	X	X	X	X	X	X	X	X
TCLP (Full)	X	X	X	X	X	X	X	X	X	X

Relinquished by: *[Signature]* Date: 6-10-14 10:40
 Accepted by: *[Signature]* Date: 6-10-14 17:20

Comments, Special Requirements or Regulations:
 Samples WC-4 and WC-5:
 Prioritize (Full) TCLP and RIC

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

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

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

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: NJ



Monday, June 30, 2014

Attn:
Galli Engineering, P.C.
35 Pinelawn Road Suite 209E
Melville, NY 11747

Project ID: LARCHMONT
Sample ID#s: BG63714

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

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

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

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

Sincerely yours,

A handwritten signature in black ink, appearing to read "Phyllis Shiller".

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



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



SDG Comments

June 30, 2014

SDG I.D.: GBG63714

8260 Volatile Organics:

1,2-Dibromoethane, 1,2,3 Trichloropropane, and 1,2-Dibromo-3-chloropropane do not meet NY TOGS GA criteria, these compounds are analyzed by GC/ECD method 504 or 8011 to achieve this criteria.

SIM Analysis:

The lowest possible reporting limit under SIM conditions is 0.02 ug/L. The NY TOGS GA criteria for some PAHs is 0.002 ug/L. This level can not be achieved.

8081 Pesticides:

Toxaphene is reported to the lowest possible reporting level. The NY TOGS criteria for this compound can not be achieved.



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

Analysis Report

June 30, 2014

FOR: Attn:
 Galli Engineering, P.C.
 35 Pinelawn Road Suite 209E
 Melville, NY 11747

Sample Information

Matrix: GROUND WATER
 Location Code: GALLI-ENG
 Rush Request: Standard
 P.O.#:

Custody Information

Collected by:
 Received by: SW
 Analyzed by: see "By" below

Date

06/20/14
 06/23/14

Time

10:00
 16:08

Laboratory Data

SDG ID: GBG63714
 Phoenix ID: BG63714

Project ID: LARCHMONT
 Client ID: MW-1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.001	0.001		mg/L	06/24/14	LK	SW6010
Aluminum	26.5	0.010		mg/L	06/24/14	LK	SW6010
Arsenic	0.011	0.004		mg/L	06/24/14	LK	SW6010
Barium	0.283	0.002		mg/L	06/24/14	LK	SW6010
Beryllium	0.002	0.001		mg/L	06/24/14	LK	SW6010
Calcium	44.3	0.010		mg/L	06/24/14	LK	SW6010
Cadmium	0.002	0.001		mg/L	06/24/14	LK	SW6010
Cobalt	0.019	0.002		mg/L	06/24/14	LK	SW6010
Chromium	0.058	0.001		mg/L	06/24/14	LK	SW6010
Copper	0.078	0.005		mg/L	06/24/14	LK	SW6010
Silver (Dissolved)	< 0.001	0.001		mg/L	06/24/14	LK	SW6010
Aluminum (Dissolved)	0.22	0.01		mg/L	06/24/14	LK	SW6010
Arsenic (Dissolved)	< 0.004	0.004		mg/L	06/24/14	LK	SW6010
Barium (Dissolved)	0.068	0.002		mg/L	06/24/14	LK	SW6010
Beryllium (Dissolved)	< 0.001	0.001		mg/L	06/24/14	LK	SW6010
Calcium (Dissolved)	36.2	0.01		mg/L	06/24/14	LK	SW6010
Cadmium (Dissolved)	< 0.001	0.001		mg/L	06/24/14	LK	SW6010
Cobalt (Dissolved)	0.004	0.001		mg/L	06/24/14	LK	SW6010
Chromium (Dissolved)	< 0.001	0.001		mg/L	06/24/14	LK	SW6010
Copper (Dissolved)	< 0.005	0.005		mg/L	06/24/14	LK	SW6010
Iron (Dissolved)	0.589	0.011		mg/L	06/24/14	LK	SW6010
Mercury (Dissolved)	< 0.0002	0.0002		mg/L	06/24/14	RS	SW7470
Potassium (Dissolved)	1.7	0.1		mg/L	06/24/14	LK	SW6010
Magnesium (Dissolved)	20.8	0.01		mg/L	06/24/14	LK	SW6010
Manganese (Dissolved)	0.678	0.001		mg/L	06/24/14	LK	SW6010
Sodium (Dissolved)	14.3	0.11		mg/L	06/24/14	LK	SW6010
Nickel (Dissolved)	0.007	0.001		mg/L	06/24/14	LK	SW6010
Lead (Dissolved)	< 0.002	0.002		mg/L	06/24/14	LK	SW6010

B

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Antimony (Dissolved)	< 0.005	0.005		mg/L	06/24/14	LK	SW6010
Selenium (Dissolved)	< 0.002	0.002		mg/L	06/24/14	RS	SW6010
Thallium (Dissolved)	< 0.002	0.002		mg/L	06/26/14	RS	SW7010
Vanadium (Dissolved)	< 0.002	0.002		mg/L	06/24/14	LK	SW6010
Zinc (Dissolved)	0.008	0.002		mg/L	06/24/14	LK	SW6010
Iron	56.2	0.010		mg/L	06/24/14	LK	SW6010
Mercury	< 0.0002	0.0002		mg/L	06/24/14	RS	SW7470
Potassium	8.3	0.1		mg/L	06/24/14	LK	SW6010
Magnesium	33.5	0.01		mg/L	06/24/14	LK	SW6010
Manganese	1.06	0.001		mg/L	06/24/14	LK	SW6010
Sodium	19.3	0.1		mg/L	06/24/14	LK	SW6010
Nickel	0.043	0.001		mg/L	06/24/14	LK	SW6010
Lead	0.036	0.002		mg/L	06/24/14	LK	SW6010
Antimony	< 0.005	0.005		mg/L	06/24/14	LK	SW6010
Selenium	< 0.010	0.010		mg/L	06/24/14	LK	SW6010
Thallium	< 0.002	0.002		mg/L	06/26/14	RS	SM3113B/SW70
Vanadium	0.068	0.002		mg/L	06/24/14	LK	SW6010
Zinc	0.114	0.002		mg/L	06/24/14	LK	SW6010
Dissolved Mercury Digestion	Completed				06/24/14	I/I	SW7470
Mercury Digestion	Completed				06/24/14	I/I	SW7470
Extraction for Herbicide	Completed				06/24/14	W/K	SW8151
PCB Extraction (2 Liter)	Completed				06/23/14	L	SW3510
Extraction for Pest (2 Liter)	Completed				06/23/14	L	SW3510
Semi-Volatile Extraction	Completed				06/23/14	N/K	SW3520
Dissolved Metals Preparation	Completed				06/23/14	AG	SW846-3005
Total Metals Digestion	Completed				06/23/14	AG	SW846 - 3050

Chlorinated Herbicides

2,4,5-T	ND	0.15		ug/L	06/25/14	BB	SW8151
2,4,5-TP (Silvex)	ND	0.15		ug/L	06/25/14	BB	SW8151
2,4-D	ND	0.15		ug/L	06/25/14	BB	SW8151
2,4-DB	ND	1.5		ug/L	06/25/14	BB	SW8151
Dalapon	ND	0.15		ug/L	06/25/14	BB	SW8151
Dicamba	ND	0.30		ug/L	06/25/14	BB	SW8151
Dichloroprop	ND	0.15		ug/L	06/25/14	BB	SW8151
Dinoseb	ND	0.30		ug/L	06/25/14	BB	SW8151

QA/QC Surrogates

% DCAA	Interference			%	06/25/14	BB	30 - 150 %
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Polychlorinated Biphenyls

PCB-1016	ND	0.050	0.050	ug/L	06/24/14	AW	608/ 8082
PCB-1221	ND	0.050	0.050	ug/L	06/24/14	AW	608/ 8082
PCB-1232	ND	0.050	0.050	ug/L	06/24/14	AW	608/ 8082
PCB-1242	ND	0.050	0.050	ug/L	06/24/14	AW	608/ 8082
PCB-1248	ND	0.050	0.050	ug/L	06/24/14	AW	608/ 8082
PCB-1254	ND	0.050	0.050	ug/L	06/24/14	AW	608/ 8082
PCB-1260	ND	0.050	0.050	ug/L	06/24/14	AW	608/ 8082
PCB-1262	ND	0.050	0.050	ug/L	06/24/14	AW	608/ 8082
PCB-1268	ND	0.050	0.050	ug/L	06/24/14	AW	608/ 8082

QA/QC Surrogates

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% DCBP	44			%	06/24/14	AW	608/ 8082
% TCMX	83			%	06/24/14	AW	608/ 8082
<u>Pesticides</u>							
4,4' -DDD	ND	0.010		ug/L	06/27/14	CE	SW8081
4,4' -DDE	ND	0.010		ug/L	06/27/14	CE	SW8081
4,4' -DDT	ND	0.010		ug/L	06/27/14	CE	SW8081
a-BHC	ND	0.005		ug/L	06/27/14	CE	SW8081
Alachlor	ND	0.075		ug/L	06/27/14	CE	SW8081
Aldrin	ND	0.002		ug/L	06/27/14	CE	SW8081
b-BHC	ND	0.005		ug/L	06/27/14	CE	SW8081
Chlordane	ND	0.030		ug/L	06/27/14	CE	SW8081
d-BHC	ND	0.025		ug/L	06/27/14	CE	SW8081
Dieldrin	ND	0.002		ug/L	06/27/14	CE	SW8081
Endosulfan I	ND	0.050		ug/L	06/27/14	CE	SW8081
Endosulfan II	ND	0.050		ug/L	06/27/14	CE	SW8081
Endosulfan Sulfate	ND	0.050		ug/L	06/27/14	CE	SW8081
Endrin	ND	0.010		ug/L	06/27/14	CE	SW8081
Endrin Aldehyde	ND	0.050		ug/L	06/27/14	CE	SW8081
Endrin ketone	ND	0.050		ug/L	06/27/14	CE	SW8081
g-BHC (Lindane)	ND	0.025		ug/L	06/27/14	CE	SW8081
Heptachlor	ND	0.010		ug/L	06/27/14	CE	SW8081
Heptachlor epoxide	ND	0.010		ug/L	06/27/14	CE	SW8081
Methoxychlor	ND	0.10		ug/L	06/27/14	CE	SW8081
Toxaphene	ND	0.20		ug/L	06/27/14	CE	SW8081
<u>QA/QC Surrogates</u>							
%DCBP (Surrogate Rec)	31			%	06/27/14	CE	30 - 150 %
%TCMX (Surrogate Rec)	61			%	06/27/14	CE	30 - 150 %
<u>Volatiles</u>							
1,1,1,2-Tetrachloroethane	ND	1.0		ug/L	06/23/14	MH	SW8260
1,1,1-Trichloroethane	ND	1.0		ug/L	06/23/14	MH	SW8260
1,1,2,2-Tetrachloroethane	ND	0.50		ug/L	06/23/14	MH	SW8260
1,1,2-Trichloroethane	ND	1.0		ug/L	06/23/14	MH	SW8260
1,1-Dichloroethane	ND	1.0		ug/L	06/23/14	MH	SW8260
1,1-Dichloroethene	ND	1.0		ug/L	06/23/14	MH	SW8260
1,1-Dichloropropene	ND	1.0		ug/L	06/23/14	MH	SW8260
1,2,3-Trichlorobenzene	ND	1.0		ug/L	06/23/14	MH	SW8260
1,2,3-Trichloropropane	ND	1.0		ug/L	06/23/14	MH	SW8260
1,2,4-Trichlorobenzene	ND	1.0		ug/L	06/23/14	MH	SW8260
1,2,4-Trimethylbenzene	ND	1.0		ug/L	06/23/14	MH	SW8260
1,2-Dibromo-3-chloropropane	ND	1.0		ug/L	06/23/14	MH	SW8260
1,2-Dibromoethane	ND	1.0		ug/L	06/23/14	MH	SW8260
1,2-Dichlorobenzene	ND	1.0		ug/L	06/23/14	MH	SW8260
1,2-Dichloroethane	ND	0.60		ug/L	06/23/14	MH	SW8260
1,2-Dichloropropane	ND	1.0		ug/L	06/23/14	MH	SW8260
1,3,5-Trimethylbenzene	ND	1.0		ug/L	06/23/14	MH	SW8260
1,3-Dichlorobenzene	ND	1.0		ug/L	06/23/14	MH	SW8260
1,3-Dichloropropane	ND	1.0		ug/L	06/23/14	MH	SW8260
1,4-Dichlorobenzene	ND	1.0		ug/L	06/23/14	MH	SW8260

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
2,2-Dichloropropane	ND	1.0		ug/L	06/23/14	MH	SW8260
2-Chlorotoluene	ND	1.0		ug/L	06/23/14	MH	SW8260
2-Hexanone	ND	5.0		ug/L	06/23/14	MH	SW8260
2-Isopropyltoluene	ND	1.0		ug/L	06/23/14	MH	SW8260
4-Chlorotoluene	ND	1.0		ug/L	06/23/14	MH	SW8260
4-Methyl-2-pentanone	ND	5.0		ug/L	06/23/14	MH	SW8260
Acetone	ND	25		ug/L	06/23/14	MH	SW8260
Acrylonitrile	ND	5.0		ug/L	06/23/14	MH	SW8260
Benzene	ND	0.70		ug/L	06/23/14	MH	SW8260
Bromobenzene	ND	1.0		ug/L	06/23/14	MH	SW8260
Bromochloromethane	ND	1.0		ug/L	06/23/14	MH	SW8260
Bromodichloromethane	ND	0.50		ug/L	06/23/14	MH	SW8260
Bromoform	ND	1.0		ug/L	06/23/14	MH	SW8260
Bromomethane	ND	1.0		ug/L	06/23/14	MH	SW8260
Carbon Disulfide	ND	5.0		ug/L	06/23/14	MH	SW8260
Carbon tetrachloride	ND	1.0		ug/L	06/23/14	MH	SW8260
Chlorobenzene	ND	1.0		ug/L	06/23/14	MH	SW8260
Chloroethane	ND	1.0		ug/L	06/23/14	MH	SW8260
Chloroform	ND	1.0		ug/L	06/23/14	MH	SW8260
Chloromethane	4.3	1.0		ug/L	06/23/14	MH	SW8260
cis-1,2-Dichloroethene	ND	1.0		ug/L	06/23/14	MH	SW8260
cis-1,3-Dichloropropene	ND	0.40		ug/L	06/23/14	MH	SW8260
Dibromochloromethane	ND	0.50		ug/L	06/23/14	MH	SW8260
Dibromomethane	ND	1.0		ug/L	06/23/14	MH	SW8260
Dichlorodifluoromethane	ND	1.0		ug/L	06/23/14	MH	SW8260
Ethylbenzene	ND	1.0		ug/L	06/23/14	MH	SW8260
Hexachlorobutadiene	ND	0.40		ug/L	06/23/14	MH	SW8260
Isopropylbenzene	ND	1.0		ug/L	06/23/14	MH	SW8260
m&p-Xylene	ND	1.0		ug/L	06/23/14	MH	SW8260
Methyl ethyl ketone	ND	5.0		ug/L	06/23/14	MH	SW8260
Methyl t-butyl ether (MTBE)	ND	1.0		ug/L	06/23/14	MH	SW8260
Methylene chloride	ND	1.0		ug/L	06/23/14	MH	SW8260
Naphthalene	ND	1.0		ug/L	06/23/14	MH	SW8260
n-Butylbenzene	ND	1.0		ug/L	06/23/14	MH	SW8260
n-Propylbenzene	ND	1.0		ug/L	06/23/14	MH	SW8260
o-Xylene	ND	1.0		ug/L	06/23/14	MH	SW8260
p-Isopropyltoluene	ND	1.0		ug/L	06/23/14	MH	SW8260
sec-Butylbenzene	ND	1.0		ug/L	06/23/14	MH	SW8260
Styrene	ND	1.0		ug/L	06/23/14	MH	SW8260
tert-Butylbenzene	ND	1.0		ug/L	06/23/14	MH	SW8260
Tetrachloroethene	ND	1.0		ug/L	06/23/14	MH	SW8260
Tetrahydrofuran (THF)	ND	2.5		ug/L	06/23/14	MH	SW8260
Toluene	ND	1.0		ug/L	06/23/14	MH	SW8260
Total Xylenes	ND	1.0		ug/L	06/23/14	MH	SW8260
trans-1,2-Dichloroethene	ND	1.0		ug/L	06/23/14	MH	SW8260
trans-1,3-Dichloropropene	ND	0.40		ug/L	06/23/14	MH	SW8260
trans-1,4-dichloro-2-butene	ND	5.0		ug/L	06/23/14	MH	SW8260
Trichloroethene	ND	1.0		ug/L	06/23/14	MH	SW8260
Trichlorofluoromethane	ND	1.0		ug/L	06/23/14	MH	SW8260

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Trichlorotrifluoroethane	ND	1.0		ug/L	06/23/14	MH	SW8260
Vinyl chloride	ND	1.0		ug/L	06/23/14	MH	SW8260
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	103			%	06/23/14	MH	70 - 130 %
% Bromofluorobenzene	98			%	06/23/14	MH	70 - 130 %
% Dibromofluoromethane	101			%	06/23/14	MH	70 - 130 %
% Toluene-d8	100			%	06/23/14	MH	70 - 130 %
<u>Semivolatiles</u>							
1,2,4-Trichlorobenzene	ND	5.0		ug/L	06/25/14	DD	SW8270
1,2-Dichlorobenzene	ND	2.5		ug/L	06/25/14	DD	SW8270
1,2-Diphenylhydrazine	ND	5.0		ug/L	06/25/14	DD	SW8270
1,3-Dichlorobenzene	ND	2.5		ug/L	06/25/14	DD	SW8270
1,4-Dichlorobenzene	ND	2.5		ug/L	06/25/14	DD	SW8270
2,4,5-Trichlorophenol	ND	1.0		ug/L	06/25/14	DD	SW8270
2,4,6-Trichlorophenol	ND	1.0		ug/L	06/25/14	DD	SW8270
2,4-Dichlorophenol	ND	1.0		ug/L	06/25/14	DD	SW8270
2,4-Dimethylphenol	ND	1.0		ug/L	06/25/14	DD	SW8270
2,4-Dinitrophenol	ND	1.0		ug/L	06/25/14	DD	SW8270
2,4-Dinitrotoluene	ND	5.0		ug/L	06/25/14	DD	SW8270
2,6-Dinitrotoluene	ND	5.0		ug/L	06/25/14	DD	SW8270
2-Chloronaphthalene	ND	5.0		ug/L	06/25/14	DD	SW8270
2-Chlorophenol	ND	1.0		ug/L	06/25/14	DD	SW8270
2-Methylnaphthalene	ND	5.0		ug/L	06/25/14	DD	SW8270
2-Methylphenol (o-cresol)	ND	1.0		ug/L	06/25/14	DD	SW8270
2-Nitroaniline	ND	5.0		ug/L	06/25/14	DD	SW8270
2-Nitrophenol	ND	1.0		ug/L	06/25/14	DD	SW8270
3&4-Methylphenol (m&p-cresol)	ND	10		ug/L	06/25/14	DD	SW8270
3,3'-Dichlorobenzidine	ND	5.0		ug/L	06/25/14	DD	SW8270
3-Nitroaniline	ND	5.0		ug/L	06/25/14	DD	SW8270
4,6-Dinitro-2-methylphenol	ND	1.0		ug/L	06/25/14	DD	SW8270
4-Bromophenyl phenyl ether	ND	5.0		ug/L	06/25/14	DD	SW8270
4-Chloro-3-methylphenol	ND	1.0		ug/L	06/25/14	DD	SW8270
4-Chloroaniline	ND	5.0		ug/L	06/25/14	DD	SW8270
4-Chlorophenyl phenyl ether	ND	1.0		ug/L	06/25/14	DD	SW8270
4-Nitroaniline	ND	5.0		ug/L	06/25/14	DD	SW8270
4-Nitrophenol	ND	1.0		ug/L	06/25/14	DD	SW8270
Acetophenone	ND	5.0		ug/L	06/25/14	DD	SW8270
Aniline	ND	5.0		ug/L	06/25/14	DD	SW8270
Anthracene	ND	5.0		ug/L	06/25/14	DD	SW8270
Benzidine	ND	50		ug/L	06/25/14	DD	SW8270
Benzoic acid	ND	50		ug/L	06/25/14	DD	SW8270
Benzyl butyl phthalate	ND	5.0		ug/L	06/25/14	DD	SW8270
Bis(2-chloroethoxy)methane	ND	5.0		ug/L	06/25/14	DD	SW8270
Bis(2-chloroethyl)ether	ND	1.0		ug/L	06/25/14	DD	SW8270
Bis(2-chloroisopropyl)ether	ND	5.0		ug/L	06/25/14	DD	SW8270
Carbazole	ND	5.0		ug/L	06/25/14	DD	SW8270
Dibenzofuran	ND	5.0		ug/L	06/25/14	DD	SW8270
Diethyl phthalate	ND	5.0		ug/L	06/25/14	DD	SW8270
Dimethylphthalate	ND	5.0		ug/L	06/25/14	DD	SW8270

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Di-n-butylphthalate	ND	5.0		ug/L	06/25/14	DD	SW8270
Di-n-octylphthalate	ND	5.0		ug/L	06/25/14	DD	SW8270
Fluoranthene	ND	5.0		ug/L	06/25/14	DD	SW8270
Fluorene	ND	5.0		ug/L	06/25/14	DD	SW8270
Hexachlorocyclopentadiene	ND	5.0		ug/L	06/25/14	DD	SW8270
Isophorone	ND	5.0		ug/L	06/25/14	DD	SW8270
Naphthalene	ND	5.0		ug/L	06/25/14	DD	SW8270
N-Nitrosodimethylamine	ND	5.0		ug/L	06/25/14	DD	SW8270
N-Nitrosodi-n-propylamine	ND	5.0		ug/L	06/25/14	DD	SW8270
N-Nitrosodiphenylamine	ND	5.0		ug/L	06/25/14	DD	SW8270
Phenol	ND	1.0		ug/L	06/25/14	DD	SW8270
Pyrene	ND	5.0		ug/L	06/25/14	DD	SW8270
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	85			%	06/25/14	DD	15 - 110 %
% 2-Fluorobiphenyl	73			%	06/25/14	DD	30 - 130 %
% 2-Fluorophenol	56			%	06/25/14	DD	15 - 110 %
% Nitrobenzene-d5	89			%	06/25/14	DD	30 - 130 %
% Phenol-d5	48			%	06/25/14	DD	15 - 110 %
% Terphenyl-d14	18			%	06/25/14	DD	30 - 130 %
<u>Semivolatiles</u>							
1,2,4,5-Tetrachlorobenzene	ND	0.50		ug/L	06/25/14	DD	SW8270 (SIM)
Acenaphthene	ND	0.05		ug/L	06/25/14	DD	SW8270 (SIM)
Acenaphthylene	0.05	0.05		ug/L	06/25/14	DD	SW8270 (SIM)
Benz(a)anthracene	0.09	0.02		ug/L	06/25/14	DD	SW8270 (SIM)
Benzo(a)pyrene	0.05	0.02		ug/L	06/25/14	DD	SW8270 (SIM)
Benzo(b)fluoranthene	0.11	0.02		ug/L	06/25/14	DD	SW8270 (SIM)
Benzo(ghi)perylene	ND	0.50		ug/L	06/25/14	DD	SW8270 (SIM)
Benzo(k)fluoranthene	0.03	0.02		ug/L	06/25/14	DD	SW8270 (SIM)
Bis(2-ethylhexyl)phthalate	ND	0.50		ug/L	06/25/14	DD	SW8270 (SIM)
Chrysene	0.07	0.02		ug/L	06/25/14	DD	SW8270 (SIM)
Dibenz(a,h)anthracene	ND	0.01		ug/L	06/25/14	DD	SW8270 (SIM)
Hexachlorobenzene	ND	0.04		ug/L	06/25/14	DD	SW8270 (SIM)
Hexachlorobutadiene	ND	0.50		ug/L	06/25/14	DD	SW8270 (SIM)
Hexachloroethane	ND	0.50		ug/L	06/25/14	DD	SW8270 (SIM)
Indeno(1,2,3-cd)pyrene	0.04	0.02		ug/L	06/25/14	DD	SW8270 (SIM)
Nitrobenzene	ND	0.10		ug/L	06/25/14	DD	SW8270 (SIM)
Pentachloronitrobenzene	ND	0.10		ug/L	06/25/14	DD	SW8270 (SIM)
Pentachlorophenol	ND	0.80		ug/L	06/25/14	DD	SW8270 (SIM)
Phenanthrene	0.14	0.05		ug/L	06/25/14	DD	SW8270 (SIM)
Pyridine	ND	0.50		ug/L	06/25/14	DD	SW8270 (SIM)
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	85			%	06/25/14	DD	15 - 110 %
% 2-Fluorobiphenyl	73			%	06/25/14	DD	30 - 130 %
% 2-Fluorophenol	56			%	06/25/14	DD	15 - 110 %
% Nitrobenzene-d5	89			%	06/25/14	DD	30 - 130 %
% Phenol-d5	48			%	06/25/14	DD	15 - 110 %
% Terphenyl-d14	18			%	06/25/14	DD	30 - 130 %

3

3

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
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1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
 3 = This parameter exceeds laboratory specified limits.
 B = Present in blank, no bias suspected.

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

Comments:

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

Semi-Volatile Comment:

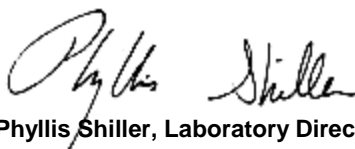
Poor surrogate recovery was observed for one base surrogate. The other surrogates associated with this sample were within QA/QC criteria. No significant bias suspected.

For Herbicides, due to matrix interference the surrogate was biased high and not reported. The sample was reported ND

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

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

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Phyllis Shiller, Laboratory Director

June 30, 2014

Reviewed and Released by: Bobbi Aloisa, Vice President



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QA/QC Report

June 30, 2014

QA/QC Data

SDG I.D.: GBG63714

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 277847, QC Sample No: BG62562 (BG63714)												
Mercury - Water	BRL	<0.0002	<0.0002	NC	103	101	2.0	105	100	4.9	70 - 130	20
Comment: Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%.												
QA/QC Batch 277708, QC Sample No: BG62562 (BG63714)												
Thallium - Water	BRL	<0.002	<0.002	NC	110	108	1.8	89.0	93.4	4.8	75 - 125	20
QA/QC Batch 277719, QC Sample No: BG63147 (BG63714)												
<u>ICP Metals - Dissolved</u>												
Aluminum	BRL	0.05	0.05	0	101	101	0.0	107	105	1.9	75 - 125	20
Antimony	BRL	0.008	<0.005	NC	107	107	0.0	106	104	1.9	75 - 125	20
Arsenic	BRL	<0.003	<0.004	NC	104	104	0.0	103	101	2.0	75 - 125	20
Barium	BRL	0.158	0.159	0.60	108	108	0.0	105	102	2.9	75 - 125	20
Beryllium	BRL	<0.001	<0.001	NC	106	106	0.0	101	98.8	2.2	75 - 125	20
Cadmium	BRL	<0.004	<0.001	NC	107	107	0.0	99.5	97.6	1.9	75 - 125	20
Calcium	0.02	90.5	91.0	0.60	107	107	0.0	NC	NC	NC	75 - 125	20
Chromium	BRL	<0.001	<0.001	NC	107	107	0.0	103	101	2.0	75 - 125	20
Cobalt	BRL	<0.005	<0.001	NC	107	107	0.0	104	102	1.9	75 - 125	20
Copper	BRL	0.013	0.016	NC	110	109	0.9	111	108	2.7	75 - 125	20
Iron	BRL	0.07	0.052	NC	106	106	0.0	98.3	96.5	1.8	75 - 125	20
Lead	BRL	<0.002	<0.002	NC	106	106	0.0	101	98.9	2.1	75 - 125	20
Magnesium	BRL	30.2	30.4	0.70	108	108	0.0	NC	NC	NC	75 - 125	20
Manganese	BRL	0.092	0.092	0	106	106	0.0	102	99.2	2.8	75 - 125	20
Nickel	BRL	0.005	0.007	NC	104	102	1.9	98.4	95.5	3.0	75 - 125	20
Potassium	BRL	24.0	24.2	0.80	104	104	0.0	121	114	6.0	75 - 125	20
Selenium	0	0	0	97.8	97.5	0.3	94.6	92.9	1.8	75 - 125	20	
Silver	BRL	<0.005	<0.001	NC	102	102	0.0	101	99.2	1.8	75 - 125	20
Sodium	BRL	243	242	0.40	99.2	102	2.8	NC	NC	NC	75 - 125	20
Vanadium	BRL	<0.011	<0.002	NC	105	105	0.0	101	99.1	1.9	75 - 125	20
Zinc	BRL	0.003	0.003	NC	101	99.6	1.4	100	97.4	2.6	75 - 125	20
QA/QC Batch 277720, QC Sample No: BG63148 (BG63714)												
Thallium (Dissolved)	BRL	<0.001	<0.005	NC	114	118	3.4	114	116	1.7	75 - 125	20
QA/QC Batch 277829, QC Sample No: BG63672 (BG63714)												
<u>ICP Metals - Aqueous</u>												
Aluminum	BRL	0.045	0.040	NC	102	101	1.0	104	99.6	4.3	75 - 125	20
Antimony	BRL	<0.005	<0.005	NC	121	104	15.1	109	106	2.8	75 - 125	20
Arsenic	BRL	<0.004	<0.004	NC	98.3	108	9.4	113	112	0.9	75 - 125	20
Barium	BRL	0.007	0.007	NC	106	106	0.0	106	106	0.0	75 - 125	20
Beryllium	BRL	<0.001	<0.001	NC	108	109	0.9	108	109	0.9	75 - 125	20
Cadmium	BRL	<0.001	<0.001	NC	102	110	7.5	114	114	0.0	75 - 125	20
Calcium	BRL	4.81	4.82	0.20	112	110	1.8	107	114	6.3	75 - 125	20
Chromium	BRL	<0.001	<0.001	NC	125	104	18.3	108	107	0.9	75 - 125	20
Cobalt	BRL	<0.002	<0.002	NC	104	110	5.6	114	113	0.9	75 - 125	20

QA/QC Data

SDG I.D.: GBG63714

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Copper	BRL	0.036	0.037	2.70	101	103	2.0	104	104	0.0	75 - 125	20
Iron	BRL	0.286	0.270	5.80	103	106	2.9	103	103	0.0	75 - 125	20
Lead	BRL	0.002	0.003	NC	102	109	6.6	113	113	0.0	75 - 125	20
Magnesium	BRL	1.70	1.67	1.80	125	105	17.4	121	119	1.7	75 - 125	20
Manganese	BRL	0.003	0.003	NC	103	105	1.9	110	109	0.9	75 - 125	20
Nickel	BRL	<0.001	<0.001	NC	104	110	5.6	113	113	0.0	75 - 125	20
Potassium	BRL	0.3	0.3	NC	85.9	84.5	1.6	90.6	85.8	5.4	75 - 125	20
Selenium	BRL	<0.010	<0.010	NC	124	107	14.7	112	111	0.9	75 - 125	20
Silver	BRL	0.006	0.008	28.6	99.8	100	0.2	102	102	0.0	75 - 125	20
Sodium	BRL	17.2	17.2	0	94.1	90.7	3.7	NC	NC	NC	75 - 125	20
Vanadium	BRL	<0.002	<0.002	NC	104	105	1.0	105	106	0.9	75 - 125	20
Zinc	BRL	0.112	0.115	2.60	103	105	1.9	110	109	0.9	75 - 125	20

r = This parameter is outside laboratory rpd specified recovery limits.



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QA/QC Report

June 30, 2014

QA/QC Data

SDG I.D.: GBG63714

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 277880, QC Sample No: BG52168 (BG63714)									
<u>Volatiles - Ground Water</u>									
1,1,1,2-Tetrachloroethane	ND	99	96	3.1	101	99	2.0	70 - 130	30
1,1,1-Trichloroethane	ND	97	91	6.4	95	91	4.3	70 - 130	30
1,1,2,2-Tetrachloroethane	ND	101	100	1.0	99	98	1.0	70 - 130	30
1,1,2-Trichloroethane	ND	99	101	2.0	102	104	1.9	70 - 130	30
1,1-Dichloroethane	ND	92	90	2.2	95	91	4.3	70 - 130	30
1,1-Dichloroethene	ND	99	93	6.3	95	93	2.1	70 - 130	30
1,1-Dichloropropene	ND	98	96	2.1	99	95	4.1	70 - 130	30
1,2,3-Trichlorobenzene	ND	106	102	3.8	94	100	6.2	70 - 130	30
1,2,3-Trichloropropane	ND	96	95	1.0	98	98	0.0	70 - 130	30
1,2,4-Trichlorobenzene	ND	105	102	2.9	96	98	2.1	70 - 130	30
1,2,4-Trimethylbenzene	ND	96	90	6.5	98	97	1.0	70 - 130	30
1,2-Dibromo-3-chloropropane	ND	101	98	3.0	99	100	1.0	70 - 130	30
1,2-Dibromoethane	ND	98	103	5.0	106	105	0.9	70 - 130	30
1,2-Dichlorobenzene	ND	99	94	5.2	98	98	0.0	70 - 130	30
1,2-Dichloroethane	ND	96	98	2.1	102	102	0.0	70 - 130	30
1,2-Dichloropropane	ND	98	98	0.0	100	97	3.0	70 - 130	30
1,3,5-Trimethylbenzene	ND	100	94	6.2	101	99	2.0	70 - 130	30
1,3-Dichlorobenzene	ND	98	92	6.3	98	96	2.1	70 - 130	30
1,3-Dichloropropane	ND	98	97	1.0	101	100	1.0	70 - 130	30
1,4-Dichlorobenzene	ND	96	90	6.5	97	94	3.1	70 - 130	30
2,2-Dichloropropane	ND	91	83	9.2	83	75	10.1	70 - 130	30
2-Chlorotoluene	ND	98	92	6.3	100	98	2.0	70 - 130	30
2-Hexanone	ND	94	95	1.1	93	94	1.1	70 - 130	30
2-Isopropyltoluene	ND	102	93	9.2	99	97	2.0	70 - 130	30
4-Chlorotoluene	ND	97	90	7.5	99	97	2.0	70 - 130	30
4-Methyl-2-pentanone	ND	98	103	5.0	104	105	1.0	70 - 130	30
Acetone	ND	96	96	0.0	85	80	6.1	70 - 130	30
Acrylonitrile	ND	103	100	3.0	105	98	6.9	70 - 130	30
Benzene	ND	98	95	3.1	99	98	1.0	70 - 130	30
Bromobenzene	ND	99	95	4.1	99	98	1.0	70 - 130	30
Bromochloromethane	ND	102	96	6.1	101	97	4.0	70 - 130	30
Bromodichloromethane	ND	99	99	0.0	102	99	3.0	70 - 130	30
Bromoform	ND	98	101	3.0	102	102	0.0	70 - 130	30
Bromomethane	ND	109	100	8.6	77	87	12.2	70 - 130	30
Carbon Disulfide	ND	103	94	9.1	94	92	2.2	70 - 130	30
Carbon tetrachloride	ND	94	95	1.1	97	94	3.1	70 - 130	30
Chlorobenzene	ND	94	92	2.2	98	96	2.1	70 - 130	30
Chloroethane	ND	95	92	3.2	92	91	1.1	70 - 130	30
Chloroform	ND	95	92	3.2	96	93	3.2	70 - 130	30
Chloromethane	ND	102	94	8.2	94	90	4.3	70 - 130	30
cis-1,2-Dichloroethene	ND	98	92	6.3	96	93	3.2	70 - 130	30

QA/QC Data

SDG I.D.: GBG63714

Parameter	Blank	LCS %	LCS D %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
cis-1,3-Dichloropropene	ND	101	102	1.0	102	99	3.0	70 - 130	30
Dibromochloromethane	ND	99	96	3.1	100	100	0.0	70 - 130	30
Dibromomethane	ND	94	94	0.0	102	99	3.0	70 - 130	30
Dichlorodifluoromethane	ND	104	99	4.9	99	96	3.1	70 - 130	30
Ethylbenzene	ND	99	93	6.3	98	96	2.1	70 - 130	30
Hexachlorobutadiene	ND	103	96	7.0	89	92	3.3	70 - 130	30
Isopropylbenzene	ND	101	93	8.2	100	99	1.0	70 - 130	30
m&p-Xylene	ND	95	93	2.1	99	96	3.1	70 - 130	30
Methyl ethyl ketone	ND	101	96	5.1	101	97	4.0	70 - 130	30
Methyl t-butyl ether (MTBE)	ND	102	104	1.9	100	98	2.0	70 - 130	30
Methylene chloride	ND	87	84	3.5	93	91	2.2	70 - 130	30
Naphthalene	ND	113	113	0.0	106	108	1.9	70 - 130	30
n-Butylbenzene	ND	101	91	10.4	101	100	1.0	70 - 130	30
n-Propylbenzene	ND	94	87	7.7	100	100	0.0	70 - 130	30
o-Xylene	ND	99	96	3.1	100	98	2.0	70 - 130	30
p-Isopropyltoluene	ND	102	93	9.2	101	100	1.0	70 - 130	30
sec-Butylbenzene	ND	105	96	9.0	101	98	3.0	70 - 130	30
Styrene	ND	101	97	4.0	101	100	1.0	70 - 130	30
tert-Butylbenzene	ND	100	92	8.3	102	100	2.0	70 - 130	30
Tetrachloroethene	ND	97	92	5.3	97	96	1.0	70 - 130	30
Tetrahydrofuran (THF)	ND	100	98	2.0	96	97	1.0	70 - 130	30
Toluene	ND	98	96	2.1	90	97	7.5	70 - 130	30
trans-1,2-Dichloroethene	ND	102	92	10.3	95	92	3.2	70 - 130	30
trans-1,3-Dichloropropene	ND	102	104	1.9	102	100	2.0	70 - 130	30
trans-1,4-dichloro-2-butene	ND	97	96	1.0	94	93	1.1	70 - 130	30
Trichloroethene	ND	99	97	2.0	100	98	2.0	70 - 130	30
Trichlorofluoromethane	ND	99	91	8.4	96	92	4.3	70 - 130	30
Trichlorotrifluoroethane	ND	101	94	7.2	92	91	1.1	70 - 130	30
Vinyl chloride	ND	101	95	6.1	92	90	2.2	70 - 130	30
% 1,2-dichlorobenzene-d4	101	101	99	2.0	98	101	3.0	70 - 130	30
% Bromofluorobenzene	98	98	100	2.0	98	98	0.0	70 - 130	30
% Dibromofluoromethane	97	103	101	2.0	100	99	1.0	70 - 130	30
% Toluene-d8	102	100	103	3.0	100	99	1.0	70 - 130	30

Comment:

A blank MS/MSD was analyzed with this batch.

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

QA/QC Batch 277504, QC Sample No: BG60674 (BG63714)

Chlorinated Herbicides - Ground Water

2,4,5-T	ND	90	90	0.0				40 - 140	20
2,4,5-TP (Silvex)	ND	92	88	4.4				40 - 140	20
2,4-D	ND	56	65	14.9				40 - 140	20
2,4-DB	ND	91	88	3.4				40 - 140	20
Dalapon	ND	68	68	0.0				40 - 140	20
Dicamba	ND	93	85	9.0				40 - 140	20
Dichloroprop	ND	84	81	3.6				40 - 140	20
Dinoseb	ND	82	81	1.2				40 - 140	20
% DCAA (Surrogate Rec)	70	66	66	0.0				30 - 150	20

QA/QC Batch 277766, QC Sample No: BG63064 (BG63714)

Pesticides - Ground Water

4,4' -DDD	ND	115	109	5.4				40 - 140	20
4,4' -DDE	ND	109	105	3.7				40 - 140	20

QA/QC Data

SDG I.D.: GBG63714

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
4,4' -DDT	ND	101	94	7.2				40 - 140	20
a-BHC	ND	114	109	4.5				40 - 140	20
a-Chlordane	ND	115	111	3.5				40 - 140	20
Alachlor	ND	NA	NA	NC				40 - 140	20
Aldrin	ND	106	101	4.8				40 - 140	20
b-BHC	ND	124	118	5.0				40 - 140	20
Chlordane	ND	111	107	3.7				40 - 140	20
d-BHC	ND	92	87	5.6				40 - 140	20
Dieldrin	ND	109	105	3.7				40 - 140	20
Endosulfan I	ND	112	108	3.6				40 - 140	20
Endosulfan II	ND	117	111	5.3				40 - 140	20
Endosulfan sulfate	ND	105	99	5.9				40 - 140	20
Endrin	ND	117	111	5.3				40 - 140	20
Endrin aldehyde	ND	132	124	6.3				40 - 140	20
Endrin ketone	ND	116	109	6.2				40 - 140	20
g-BHC	ND	116	111	4.4				40 - 140	20
g-Chlordane	ND	111	107	3.7				40 - 140	20
Heptachlor	ND	118	111	6.1				40 - 140	20
Heptachlor epoxide	ND	114	110	3.6				40 - 140	20
Methoxychlor	ND	109	101	7.6				40 - 140	20
Toxaphene	ND	NA	NA	NC				40 - 140	20
% DCBP	131	130	125	3.9				30 - 150	20
% TCMX	142	143	138	3.6				30 - 150	20

Comment:

A LCS and LCS duplicate were performed instead of a MS and MSD. Alpha and gamma chlordane were spiked and analyzed instead of technical chlordane. Gamma chlordane recovery is reported in the LCS, LCSD, MS and MSD.

QA/QC Batch 277695, QC Sample No: BG63147 (BG63714)

Polychlorinated Biphenyls - Ground Water

PCB-1016	ND	112	99	12.3				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	118	102	14.5				40 - 140	20
PCB-1262	ND							40 - 140	20
PCB-1268	ND							40 - 140	20
% DCBP (Surrogate Rec)	115	89	74	18.4				30 - 150	20
% TCMX (Surrogate Rec)	96	122	108	12.2				30 - 150	20

Comment:

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

QA/QC Batch 277821, QC Sample No: BG63714 (BG63714)

Semivolatiles - Ground Water

1,2,4,5-Tetrachlorobenzene	ND	92	93	1.1				30 - 130	20
1,2,4-Trichlorobenzene	ND	90	95	5.4				30 - 130	20
1,2-Dichlorobenzene	ND	81	82	1.2				30 - 130	20
1,2-Diphenylhydrazine	ND	86	86	0.0				30 - 130	20
1,3-Dichlorobenzene	ND	80	82	2.5				30 - 130	20
1,4-Dichlorobenzene	ND	80	80	0.0				30 - 130	20
2,4,5-Trichlorophenol	ND	96	98	2.1				30 - 130	20
2,4,6-Trichlorophenol	ND	93	96	3.2				30 - 130	20
2,4-Dichlorophenol	ND	85	88	3.5				30 - 130	20

QA/QC Data

SDG I.D.: GBG63714

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
2,4-Dimethylphenol	ND	59	61	3.3				30 - 130	20
2,4-Dinitrophenol	ND	86	79	8.5				30 - 130	20
2,4-Dinitrotoluene	ND	95	93	2.1				30 - 130	20
2,6-Dinitrotoluene	ND	98	98	0.0				30 - 130	20
2-Chloronaphthalene	ND	93	96	3.2				30 - 130	20
2-Chlorophenol	ND	72	73	1.4				30 - 130	20
2-Methylnaphthalene	ND	90	93	3.3				30 - 130	20
2-Methylphenol (o-cresol)	ND	67	66	1.5				30 - 130	20
2-Nitroaniline	ND	99	88	11.8				30 - 130	20
2-Nitrophenol	ND	82	84	2.4				30 - 130	20
3&4-Methylphenol (m&p-cresol)	ND	63	64	1.6				30 - 130	20
3,3'-Dichlorobenzidine	ND	41	39	5.0				30 - 130	20
3-Nitroaniline	ND	133	124	7.0				30 - 130	20
4,6-Dinitro-2-methylphenol	ND	98	93	5.2				30 - 130	20
4-Bromophenyl phenyl ether	ND	87	94	7.7				30 - 130	20
4-Chloro-3-methylphenol	ND	92	94	2.2				30 - 130	20
4-Chloroaniline	ND	49	55	11.5				30 - 130	20
4-Chlorophenyl phenyl ether	ND	95	96	1.0				30 - 130	20
4-Nitroaniline	ND	97	97	0.0				30 - 130	20
4-Nitrophenol	ND	73	68	7.1				15 - 130	20
Acenaphthene	ND	94	95	1.1				30 - 130	20
Acenaphthylene	ND	74	78	5.3				30 - 130	20
Acetophenone	ND	88	86	2.3				30 - 130	20
Aniline	ND	44	45	2.2				30 - 130	20
Anthracene	ND	97	99	2.0				30 - 130	20
Benz(a)anthracene	ND	93	96	3.2				30 - 130	20
Benzidine	ND	<10	<10	NC				30 - 130	20
Benzo(a)pyrene	ND	73	77	5.3				30 - 130	20
Benzo(b)fluoranthene	ND	88	98	10.8				30 - 130	20
Benzo(ghi)perylene	ND	82	78	5.0				30 - 130	20
Benzo(k)fluoranthene	ND	86	88	2.3				30 - 130	20
Benzoic acid	ND	33	32	3.1				30 - 130	20
Benzyl butyl phthalate	ND	74	79	6.5				30 - 130	20
Bis(2-chloroethoxy)methane	ND	43	48	11.0				30 - 130	20
Bis(2-chloroethyl)ether	ND	77	81	5.1				30 - 130	20
Bis(2-chloroisopropyl)ether	ND	83	85	2.4				30 - 130	20
Bis(2-ethylhexyl)phthalate	ND	92	102	10.3				30 - 130	20
Carbazole	ND	78	78	0.0				30 - 130	20
Chrysene	ND	97	102	5.0				30 - 130	20
Dibenz(a,h)anthracene	ND	100	92	8.3				30 - 130	20
Dibenzofuran	ND	91	91	0.0				30 - 130	20
Diethyl phthalate	ND	94	96	2.1				30 - 130	20
Dimethylphthalate	ND	90	96	6.5				30 - 130	20
Di-n-butylphthalate	ND	97	106	8.9				30 - 130	20
Di-n-octylphthalate	ND	86	106	20.8				30 - 130	20
Fluoranthene	ND	101	97	4.0				30 - 130	20
Fluorene	ND	96	95	1.0				30 - 130	20
Hexachlorobenzene	ND	78	91	15.4				30 - 130	20
Hexachlorobutadiene	ND	83	89	7.0				30 - 130	20
Hexachlorocyclopentadiene	ND	64	64	0.0				30 - 130	20
Hexachloroethane	ND	77	80	3.8				30 - 130	20
Indeno(1,2,3-cd)pyrene	ND	89	83	7.0				30 - 130	20
Isophorone	ND	96	103	7.0				30 - 130	20

QA/QC Data

SDG I.D.: GBG63714

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Naphthalene	ND	86	89	3.4				30 - 130	20
Nitrobenzene	ND	82	83	1.2				30 - 130	20
N-Nitrosodimethylamine	ND	59	61	3.3				30 - 130	20
N-Nitrosodi-n-propylamine	ND	85	88	3.5				30 - 130	20
N-Nitrosodiphenylamine	ND	65	68	4.5				30 - 130	20
Pentachloronitrobenzene	ND	83	93	11.4				30 - 130	20
Pentachlorophenol	ND	98	102	4.0				30 - 130	20
Phenanthrene	ND	97	101	4.0				30 - 130	20
Phenol	ND	44	44	0.0				15 - 130	20
Pyrene	ND	98	94	4.2				30 - 130	20
Pyridine	ND	36	38	5.4				30 - 130	20
% 2,4,6-Tribromophenol	83	64	71	10.4				15 - 110	20
% 2-Fluorobiphenyl	84	66	71	7.3				30 - 130	20
% 2-Fluorophenol	68	43	44	2.3				15 - 110	20
% Nitrobenzene-d5	91	67	68	1.5				30 - 130	20
% Phenol-d5	73	39	39	0.0				15 - 110	20
% Terphenyl-d14	94	85	78	8.6				30 - 130	20

Comment:

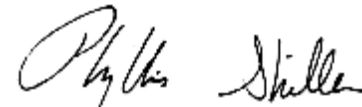
Additional 8270 criteria: 20% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. (Acid surrogates acceptance range for aqueous samples: 15-110%, for soils 30-130%)

l = This parameter is outside laboratory lcs/lcsd 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
June 30, 2014

Sample Criteria Exceedences Report

Criteria: NY: GW

GBG63714 - GALLI-ENG

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL	Criteria	Analysis Units
BG63714	\$8260GWR	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	0.04	ug/L
BG63714	\$8260GWR	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.0006	0.0006	0.0006	ug/L
BG63714	\$8260GWR	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	0.04	ug/L
BG63714	\$8270-SIMFSR	Benzidine	NY / TOGS - Water Quality / GA Criteria	ND	50	5	5	5	ug/L
BG63714	\$8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.04	0.02	0.002	0.002	0.002	ug/L
BG63714	\$8270-SIMR	Benz(a)anthracene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.09	0.02	0.002	0.002	0.002	ug/L
BG63714	\$8270-SIMR	Benzo(a)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.05	0.02	0.002	0.002	0.002	ug/L
BG63714	\$8270-SIMR	Benzo(b)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.11	0.02	0.002	0.002	0.002	ug/L
BG63714	\$8270-SIMR	Benzo(k)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.03	0.02	0.002	0.002	0.002	ug/L
BG63714	\$8270-SIMR	Chrysene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.07	0.02	0.002	0.002	0.002	ug/L
BG63714	\$8270-SIMR	Benz(a)anthracene	NY / TOGS - Water Quality / GA Criteria	0.09	0.02	0.002	0.002	0.002	ug/L
BG63714	\$8270-SIMR	Benzo(b)fluoranthene	NY / TOGS - Water Quality / GA Criteria	0.11	0.02	0.002	0.002	0.002	ug/L
BG63714	\$8270-SIMR	Benzo(k)fluoranthene	NY / TOGS - Water Quality / GA Criteria	0.03	0.02	0.002	0.002	0.002	ug/L
BG63714	\$8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TOGS - Water Quality / GA Criteria	0.04	0.02	0.002	0.002	0.002	ug/L
BG63714	\$8270-SIMR	Chrysene	NY / TOGS - Water Quality / GA Criteria	0.07	0.02	0.002	0.002	0.002	ug/L
BG63714	\$PEST_GAWR	Toxaphene	NY / TOGS - Water Quality / GA Criteria	ND	0.20	0.06	0.06	0.06	ug/L
BG63714	AL-WM	Aluminum	NY / TOGS - Water Quality / GA Criteria	26.5	0.010	0.1	0.1	0.1	mg/L
BG63714	CR-WM	Chromium	NY / TOGS - Water Quality / GA Criteria	0.058	0.001	0.05	0.05	0.05	mg/L
BG63714	D-AL	Aluminum (Dissolved)	NY / TOGS - Water Quality / GA Criteria	0.22	0.01	0.1	0.1	0.1	mg/L
BG63714	D-FE	Iron (Dissolved)	NY / TOGS - Water Quality / GA Criteria	0.589	0.011	0.3	0.3	0.3	mg/L
BG63714	D-MN	Manganese (Dissolved)	NY / TOGS - Water Quality / GA Criteria	0.678	0.001	0.3	0.3	0.3	mg/L
BG63714	D-SB	Antimony (Dissolved)	NY / TOGS - Water Quality / GA Criteria	BRL	0.005	0.003	0.003	0.003	mg/L
BG63714	D-TL	Thallium (Dissolved)	NY / TOGS - Water Quality / GA Criteria	BRL	0.002	0.0005	0.0005	0.0005	mg/L
BG63714	FE-WM	Iron	NY / TOGS - Water Quality / GA Criteria	56.2	0.010	0.3	0.3	0.3	mg/L
BG63714	MN-WM	Manganese	NY / TOGS - Water Quality / GA Criteria	1.06	0.001	0.3	0.3	0.3	mg/L
BG63714	PB-WM	Lead	NY / TOGS - Water Quality / GA Criteria	0.036	0.002	0.025	0.025	0.025	mg/L
BG63714	SB-WM	Antimony	NY / TOGS - Water Quality / GA Criteria	BRL	0.005	0.003	0.003	0.003	mg/L
BG63714	TL-WM	Thallium	NY / TOGS - Water Quality / GA Criteria	BRL	0.002	0.0005	0.0005	0.0005	mg/L

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



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



NY Temperature Narration

June 30, 2014

SDG I.D.: GBG63714

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



NY/NJ CHAIN OF CUSTODY RECORD

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: vfrank@gallienq.com

Project P.O.: _____
 Phone #: _____
 Fax #: _____

Project: Larchmont
 Report to: vfrank@gallienq.com
 Invoice to: josavita@gallienq.com

Customer: Galli Engineering
 Address: 35 Pineclaw Rd SE 209E
Melville, NY 11747

Sampler's Signature: *[Signature]*
 Date: 6/20/14

Analysis Request: TL METALS (Perchlorate)
PCBS
PCDDs
PCDFs
SVOCs

Matrix Code: DW=drinking water SL=sludge S=soil/solid A=air O=oil X=other
 Phenix Sample #: 605714
 Customer Sample Identification: MW-1
 Date Sampled: 6/20/14 10AM
 Time Sampled: _____

Phenix Sample #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	Turnaround:	Date:		Time:		Data Format	Data Package	
						Relinquished by:	Accepted by:	Relinquished:	Accepted:			
605714	MW-1	GW	6/20/14	10AM	NJ: <input type="checkbox"/> Res. Criteria <input type="checkbox"/> Non-Res. Criteria <input type="checkbox"/> Impact to GW Soil Cleanup Criteria <input type="checkbox"/> GW Criteria NY: <input checked="" type="checkbox"/> TOGS GA GW <input type="checkbox"/> CP-51 Soil <input type="checkbox"/> NY375 Unrestricted Soil <input type="checkbox"/> NY375 Residential Soil <input type="checkbox"/> NY375 Restricted Non-Residential Soil	<input type="checkbox"/> Phoenix Std Report <input checked="" type="checkbox"/> Excel <input type="checkbox"/> PDF <input type="checkbox"/> GIS/Key <input type="checkbox"/> EQUIS <input type="checkbox"/> NJ Hazsite EDD <input type="checkbox"/> NY EZ EDD (ASP) <input type="checkbox"/> Other	6-23-14	6-20-14	10:15	10:08	<input type="checkbox"/> Phoenix Std Report <input checked="" type="checkbox"/> Excel <input type="checkbox"/> PDF <input type="checkbox"/> GIS/Key <input type="checkbox"/> EQUIS <input type="checkbox"/> NJ Hazsite EDD <input type="checkbox"/> NY EZ EDD (ASP) <input type="checkbox"/> Other	<input type="checkbox"/> NJ Reduced Deliv. * <input type="checkbox"/> NY Enhanced (ASP B) * <input type="checkbox"/> Other
					<input type="checkbox"/> 1 Day* <input type="checkbox"/> 2 Days* <input type="checkbox"/> 3 Days* <input checked="" type="checkbox"/> 5 Days <input type="checkbox"/> 10 Days <input type="checkbox"/> Other * SURCHARGE APPLIES							

Comments, Special Requirements or Regulations:

State where samples were collected: NY