FORMER NEW YORK CENTRAL RAIL YARD

438-444 11TH AVENUE
NEW YORK, NEW YORK

PHASE II INVESTIGATION DATA SUMMARY

APRIL 2015

Prepared By:

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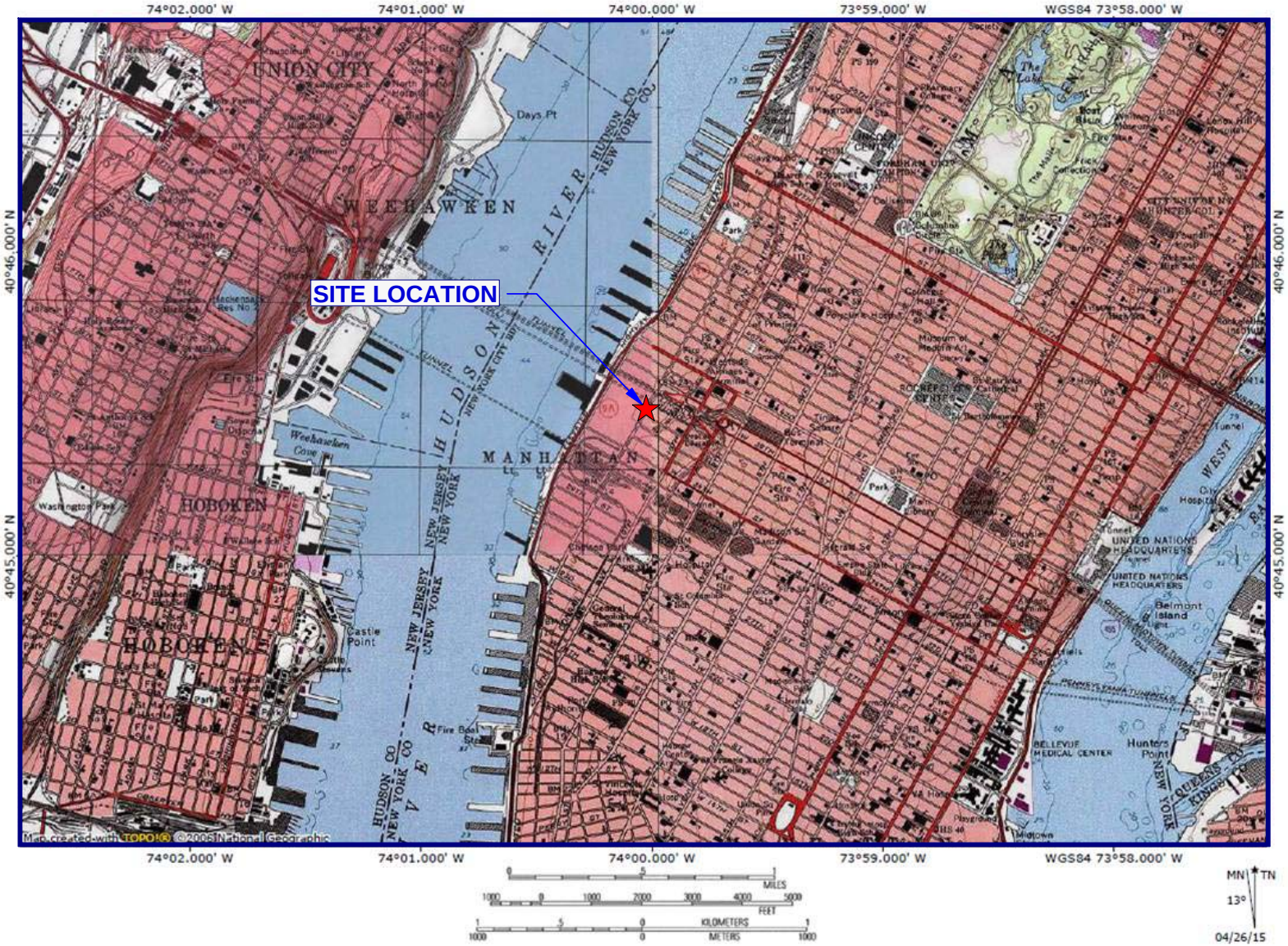
FIGURES



USGS Brooklyn Quadrangle 1995, Contour Interval = 10 feet

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Former New York Central Rail Yard
438 11th Avenue, New York, NY

FIGURE 1 Site Location Map

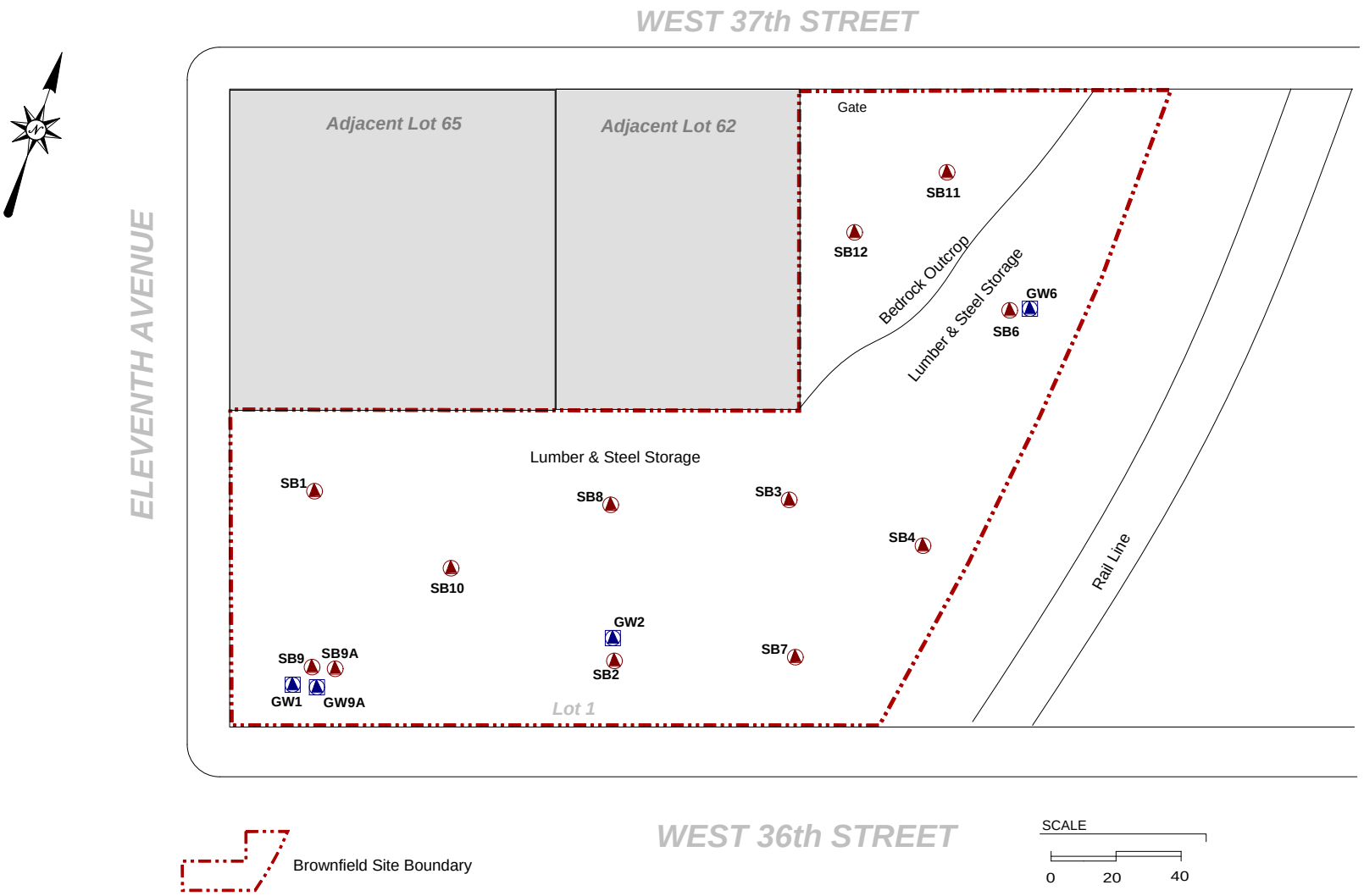

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Figure No. 2

Site Name: Former NY Central Rail Yard

Site Address: 438-444 11th Avenue, New York, NY

Drawing Title: Sampling Locations

SUMMARY TABLES

Table 1
Laboratory Results
VOCs - SVOCs

Collection Date			4/3/2015			4/3/2015			4/3/2015			4/15/2015			4/15/2015			4/3/2015			4/3/2015			4/3/2015			4/15/2015			4/15/2015			4/15/2015			4/15/2015		
Client Id			B2 5-7			B3 3-5			B4 3-5			B5 0-2 FT			B6 6-8 FT			B7 3-5			B8 4-6			B9 4-6			B9A 6-8 FT			B10 6-8 FT			B11 0-2 FT			B12 0-2 FT		
Matrix			Soil			Soil			Soil			Solid			Solid			Soil			Soil			Soil			Solid			Solid			Solid			Solid		
	Units	Restricted Residential	Unrestricted	Result	RL	Qual	Result	RL	Qual	Result	RL	Qual	Result	RL	Qual	Result	RL	Qual	Result	RL	Qual	Result	RL	Qual	Result	RL	Qual	Result	RL	Qual	Result	RL	Qual	Result	RL	Qual	Result	RL	Qual
Volatiles By SW8260C																																						
1,1,1,2-Tetrachloroethane	ug/Kg			< 3.5	3.5	U	< 4.5	4.5	U	< 4.9	4.9	U	-	-	-	< 5.8	5.8	U	< 4.6	4.6	U	< 4.1	4.1	U	< 5.5	5.5	U	< 6.5	6.5	U	< 5.7	5.7	U	-	-	-	-	-	-
1,1,1-Trichloroethane	ug/Kg	100,000	680	< 3.5	3.5	U	< 4.5	4.5	U	< 4.9	4.9	U	-	-	-	< 5.8	5.8	U	< 4.6	4.6	U	< 4.1	4.1	U	< 5.5	5.5	U	< 6.5	6.5	U	< 5.7	5.7	U	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/Kg			< 3.5	3.5	U	< 4.5	4.5	U	< 4.9	4.9	U	-	-	-	< 5.8	5.8	U	< 4.6	4.6	U	< 4.1	4.1	U	< 5.5	5.5	U	< 6.5	6.5	U	< 5.7	5.7	U	-	-	-	-	-	-
1,1,2-Trichloroethane	ug/Kg			< 3.5	3.5	U	< 4.5	4.5	U	< 4.9	4.9	U	-	-	-	< 5.8	5.8	U	< 4.6	4.6	U	< 4.1	4.1	U	< 5.5	5.5	U	< 6.5	6.5	U	< 5.7	5.7	U	-	-	-	-	-	-
1,1-Dichloroethane	ug/Kg	26,000	270	< 3.5	3.5	U	< 4.5	4.5	U	< 4.9	4.9	U	-	-	-	< 5.8	5.8	U	< 4.6	4.6	U	< 4.1	4.1	U	< 5.5	5.5	U	< 6.5	6.5	U	< 5.7	5.7	U	-	-	-	-	-	-
1,1-Dichloroethene	ug/Kg	100,000	330	< 3.5	3.5	U	< 4.5	4.5	U	< 4.9	4.9	U	-	-	-	< 5.8	5.8	U	< 4.6	4.6	U	< 4.1	4.1	U	< 5.5	5.5	U	< 6.5	6.5	U	< 5.7	5.7	U	-	-	-	-	-	-
1,1-Dichloropropene	ug/Kg			< 3.5	3.5	U	< 4.5	4.5	U	< 4.9	4.9	U	-	-	-	< 5.8	5.8	U	< 4.6	4.6	U	< 4.1	4.1	U	< 5.5	5.5	U	< 6.5	6.5	U	< 5.7	5.7	U	-	-	-	-	-	-
1,2,3-Trichlorobenzene	ug/Kg			< 3.5	3.5	U	< 4.5	4.5	U	< 4.9	4.9	U	-	-	-	< 5.8	5.8	U	< 4.6	4.6	U	< 280	280	U	< 5.5	5.5	U	< 6.5	6.5	U	< 5.7	5.7	U	-	-	-	-	-	-
1,2,3-Trichloropropane	ug/Kg			< 3.5	3.5	U	< 4.5	4.5	U	< 4.9	4.9	U	-	-	-	< 5.8	5.8	U	< 4.6	4.6	U	< 280	280	U	< 5.5	5.5	U	< 6.5	6.5	U	< 5.7	5.7	U	-	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/Kg			< 3.5	3.5	U	< 4.5	4.5	U	< 4.9	4.9	U	-	-	-	< 5.8	5.8	U	< 4.6	4.6	U	< 280	280	U	< 5.5	5.5	U	< 6.5	6.5	U	< 5.7	5.7	U	-	-	-	-	-	-
1,2,4-Trimethylbenzene	ug/Kg	52,000	3,600	110	300	J	110	270	J	750	270		-	-	-	< 5.8	5.8	U	140	280	J	100	280	J	450	310		< 6.5	6.5	U	< 5.7	5.7	U	-	-	-	-	-	-
1,2-Dibromo-3-chloropropane	ug/Kg			< 3.5	3.5	U	< 4.5	4.5	U	< 4.9	4.9	U	-	-	-	< 5.8	5.8	U	< 4.6	4.6	U	< 280	280	U	< 5.5	5.5	U	< 6.5	6.5	U	< 5.7	5.7	U	-	-	-	-	-	-
1,2-Dibromoethane	ug/Kg			< 3.5	3.5	U	< 4.5	4.5	U	< 4.9	4.9	U	-	-	-	< 5.8	5.8	U	< 4.6	4.6	U	< 4.1	4.1	U	< 5.5	5.5	U	< 6.5	6.5	U	< 5.7	5.7	U	-	-	-	-	-	-
1,2-Dichlorobenzene	ug/Kg	100,000	1,100	< 3.5	3.5	U	< 4.5	4.5	U	< 4.9	4.9	U	-	-	-	< 5.8	5.8	U	< 4.6	4.6	U	< 280	280	U	< 5.5	5.5	U	< 6.5	6.5	U	< 5.7	5.7	U	-	-	-	-	-	-
1,2-Dichloroethane	ug/Kg	3,100	20	< 3.5	3.5	U	< 4.5	4.5	U	< 4.9	4.9	U	-	-	-	< 5.8	5.8	U	< 4.6	4.6	U	< 4.1	4.1	U	< 5.5	5.5	U	< 6.5	6.5	U	< 5.7	5.7	U	-	-	-	-	-	-
1,2-Dichloropropane	ug/Kg			< 3.5	3.5	U	< 4.5	4.5	U	< 4.9	4.9	U	-	-	-	< 5.8	5.8	U	< 4.6	4.6	U	< 4.1	4.1	U	< 5.5	5.5	U	< 6.5	6.5	U	< 5.7	5.7	U	-	-	-	-	-	-
1,3,5-Trimethylbenzene	ug/Kg	52,000	8,400	2	3.5	J	30	270	J	320	270		-	-	-	< 5.8	5.8	U	45	280	J	< 280	280	U	85	310	J	< 6.5	6.5	U	< 5.7	5.7	U	-	-	-	-	-	-
1,3-Dichlorobenzene	ug/Kg	49,000	2,400	< 3.5	3.5	U	< 4.5	4.5	U	< 4.9	4.9	U	-	-	-	< 5.8	5.8	U	< 4.6	4.6	U	< 280	280	U	< 5.5	5.5	U	< 6.5	6.5	U	< 5.7	5.7	U	-	-	-	-	-	-
1,3-Dichloropropane	ug/Kg			< 3.5	3.5	U	< 4.5	4.5	U	< 4.9	4.9	U	-	-	-	< 5.8	5.8	U	< 4.6	4.6	U	< 4.1	4.1	U	< 5.5	5.5	U	< 6.5	6.5	U	< 5.7	5.7	U	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/Kg	13,000	1,800	< 3.5	3.5	U	< 4.5	4.5	U	< 4.9	4.9	U	-	-	-	< 5.8	5.8	U	< 4.6	4.6	U	< 280	280	U	< 5.5	5.5	U	< 6.5	6.5	U	< 5.7	5.7	U	-	-	-	-	-	-
2,2-Dichloropropane	ug/Kg			< 3.5	3.5	U	< 4.5	4.5	U	< 4.9	4.9	U	-	-	-	< 5.8	5.8	U	< 4.6	4.6	U	< 4.1	4.1	U	< 5.5	5.5	U	< 6.5	6.5	U	< 5.7	5.7	U	-	-	-	-	-	-
2-Chlorotoluene	ug/Kg			< 3.5	3.5	U	< 4.5	4.5	U	< 4.9	4.9	U	-	-	-	< 5.8	5.8	U	< 4.6	4.6	U	< 280	280	U	< 5.5	5.5	U	< 6.5	6.5	U	< 5.7	5.7	U	-	-	-	-	-	-
2-Hexanone	ug/Kg			< 18	18	U	< 23	23	U	< 25	25	U	-	-	-	< 29	29	U	< 23	23	U	< 20	20	U	< 28	28	U	< 32	32	U	< 29	29	U	-	-	-	-	-	-
2-Isopropyltoluene	ug/Kg			< 3.5	3.5	U	1.1	4.5	J	1.2	4.9	J	-	-	-	< 5.8	5.8	U	< 4.6	4.6	U	< 280	280	U	< 5.5	5.5	U	< 6.5	6.5	U	< 5.7	5.7	U	-	-	-	-	-	-
4-Chlorotoluene	ug/Kg			< 3.5	3.5	U	< 4.5	4.5	U	< 4.9	4.9	U	-	-	-	< 5.8	5.8	U	< 4.6	4.6	U	< 280	280	U	< 5.5	5.5	U	< 6.5	6.5	U	< 5.7	5.7	U	-	-	-	-	-	-
4-Methyl-2-pentanone	ug/Kg			< 18	18	U	< 23	23	U	< 25	25	U	-	-	-	< 29	29	U	< 23	23	U	< 20	20	U	< 28	28	U	< 32	32	U	< 29	29	U	-	-	-	-	-	-
Acetone	ug/Kg	100,000	50	52	35	S	74	45	S	28	49	JS	-	-	-	43	50	JS	52	46	S	110	41	S	44	50	JS	75	65	S	60	50	S	-	-	-	-	-	-
Acrylonitrile	ug/Kg			< 7.1	7.1	U	< 9.0	9.0	U	< 9.9	9.9	U	-	-	-	< 12	12	U	< 9.2	9.2	U	< 8.2	8.2	U	< 11	11	U	< 13	13	U	< 11	11	U	-	-	-	-	-	-
Benzene	ug/Kg	4,800	60	43	300	J	32	270	J	1.6	4.9	J	-	-	-	< 5.8	5.8	U	85	280	J	52	280	J	170	310	J	< 6.5	6.5	U	< 5.7	5.7	U	-	-	-	-	-	-
Bromobenzene	ug/Kg			< 3.5	3.5	U	< 4.5	4.5	U	< 4.9	4.9	U	-	-	-	< 5.8	5.8	U	< 4.6	4.6	U	< 280	280	U	< 5.5	5.5	U	< 6.5	6.5	U	< 5.7	5.7	U	-	-	-	-	-	-
Bromochloromethane	ug/Kg			< 3.5	3.5	U	< 4.5	4.5	U	< 4.9	4.9	U	-	-	-	< 5.8	5.8	U	< 4.6	4.6	U	< 4.1	4.1	U	< 5.5	5.5	U	< 6.5	6.5	U	< 5.7	5.7	U	-	-	-	-	-	-
Bromodichloromethane	ug/Kg			< 3.5	3.5	U	< 4.5	4.5	U	< 4.9	4.9	U	-	-	-	< 5.8	5.8	U	< 4.6	4.6	U	< 4.1	4.1	U	< 5.5	5.5	U	< 6.5	6.5	U	< 5.7	5.7	U	-	-	-	-	-	-
Bromoform	ug/Kg			< 3.5	3.5	U	< 4.5	4.5	U	< 4.9	4.9	U	-	-	-	< 5.8	5.8	U	< 4.6	4.6	U	< 4.1	4.1	U	< 5.5	5.5	U	< 6.5	6.5	U	< 5.7	5.7	U	-	-	-	-	-	-
Bromomethane	ug/Kg			< 3.5	3.5	U	< 4.5	4.5	U	< 4.9	4.9	U	-	-	-	< 5.8	5.8	U	< 4.6	4.6	U	< 4.1	4.1	U	< 5.5	5.5	U	< 6.5	6.5	U	< 5.7	5.7	U	-	-	-	-	-	-
Carbon Disulfide	ug/Kg			5.6	3.5		2.2	4.5	J	4.6	4.9	J	-	-	-	1.8	5.8	J	13	4.6		2.1	4.1	J	6.2	5.5		5.4	6.5	J	2.2	5.7	J	-	-	-	-	-	-
Carbon tetrachloride	ug/Kg	2,400	760	< 3.5	3.5	U	< 4.5	4.5	U	< 4.9	4.9	U	-	-	-	< 5.8	5.8	U	< 4.6	4.6	U	< 4.1	4.1	U	< 5.5	5.5	U	< 6.5	6.5	U	< 5.7	5.7	U	-	-	-	-	-	-
Chlorobenzene	ug/Kg	100,000	1,100	< 3.5	3.5	U	< 4.5	4.5	U	< 4.9	4.9	U	-	-	-	< 5.8	5.8	U	< 4.6	4.6	U	< 4.1	4.1	U	< 5.5	5.5	U	< 6.5	6.5	U	< 5.7	5.7	U	-	-	-	-	-	-
Chloroethane	ug/Kg			< 3.5	3.5	U	< 4.5	4.5	U	< 4.9	4.9	U	-	-	-	< 5.8	5.8	U	< 4.6	4.6	U	< 4.1	4.1	U	< 5.5	5.5	U	< 6.5	6.5	U	< 5.7	5.7	U	-	-	-	-	-	-
Chloroform	ug/Kg	49,000	370	< 3.5	3.5	U	< 4.5	4.5	U	< 4.9	4.9	U	-	-	-	< 5.8	5.8	U	< 4.6	4.6	U	< 4.1	4.1	U	< 5.5	5.5	U	< 6.5	6.5	U	< 5.7	5.7	U	-	-	-	-	-	-
Chloromethane	ug/Kg			< 3.5	3.5	U	< 4.5	4.5	U	< 4.9	4.9	U	-	-	-	< 5.8	5.8	U	< 4.6	4.6	U	< 4.1	4.1	U	< 5.5	5.5	U	< 6.5	6.5	U	< 5.7	5.7	U	-	-	-	-	-	-
cis-1,2-Dichloroethene	ug/Kg	100,000	250	< 3.5	3.5	U	< 4.5	4.5	U	< 4.9	4.9	U	-	-	-	< 5.8	5.8	U	< 4.6	4.6	U	< 4.1	4.1	U	< 5.5	5.5	U	< 6.5	6.5	U	< 5.7	5.7	U	-	-	-	-	-	-
cis-1,3-Dichloropropene	ug/Kg			< 3.5	3.5	U	< 4.5	4.5	U	< 4.9	4.9	U	-	-	-	< 5.8	5.8	U	< 4.6	4.6	U	< 4.1	4.1	U	< 5.5	5.5	U	< 6.5	6.5	U	< 5.7	5.7	U	-	-	-	-	-	-
Dibromochloromethane	ug/Kg			< 3.5	3.5	U	< 4.5	4.5	U	< 4.9	4.9	U	-	-	-	< 5.8	5.8	U	< 4.6	4.6	U	< 4.1	4.1	U	< 5.5	5.5	U	< 6.5	6.5	U	< 5.7	5.7	U	-	-	-	-	-	-
Dibromomethane	ug/Kg			< 3.5	3.5	U	< 4.5	4.5	U	< 4.9	4.9	U	-	-	-	< 5.8	5.8	U	< 4.6	4.6	U	< 4.1	4.1	U	< 5.5	5.5	U	< 6.5	6.5	U	< 5.7	5.7	U	-	-	-	-	-	-
Dichlorodifluoromethane	ug/Kg			< 3.5	3.5	U	< 4.5	4.5	U	< 4.9	4.9	U	-	-	-	< 5.8	5.8	U	< 4.6	4.6	U	< 4.1	4.1	U	< 5.5	5.5	U	< 6.5	6.5	U	< 5.7	5.7	U	-	-	-	-	-	-
Ethylbenzene	ug/Kg	41,000	1,000	38	300	J	28	270	J	42	270	J	-	-	-	< 5.8	5.8	U	37	280	J	40	280	J	170	310	J	< 6.5	6.5	U	< 5.7	5.7	U	-	-	-	-	-	-
Hexachlorobutadiene	ug/Kg			< 3.5	3.5	U	< 4.5	4.5	U	< 4.9	4.9	U	-	-	-	< 5.8	5.8	U	< 4.6	4.6	U	< 280	280	U	< 5.5	5.5	U	< 6.5	6.5	U	< 5.7	5.7	U	-	-	-	-	-	-
Isopropylbenzene	ug/Kg			0.49	3.5	J	4.1	4.5	J	3	4.9	J	-	-	-	< 5.8	5.8	U	< 4.6	4.6	U	< 280	280	U	67	310	J	< 6.5	6.5	U	< 5.7	5.7	U	-	-	-	-	-	-
m&p-Xylene	ug/Kg			140	300	J	92	270	J	200	270	J	-	-	-	< 5.8	5.8	U	170	280	J	220	280	J	890	310		< 6.5	6.5	U	< 5.7	5.7	U	-	-	-	-	-	-
Methyl Ethyl Ketone	ug/Kg	100,000	120	12	21	J	16	27	J	6.1	30	J	-	-	-	6.3	35	J	8.3	28	J	13	25	J	8.2	33	J	13	39	J	8.4	34	J	-	-	-	-	-	-
Methyl t-butyl ether (MTBE)	ug/Kg	100,000	930	< 7.1	7.1	U	< 9.0	9.0	U	< 9.9	9.9	U	-	-	-	< 12	12	U	< 9.2	9.2	U	< 8.2	8.2	U	< 11	11	U	< 13	13	U	< 11	11	U	-	-	-	-	-	-
Methylene chloride	ug/Kg	100,000	50	< 3.5	3.5	U	< 4.5	4.5	U	< 4.9	4.9	U	-	-	-	< 5.8	5.8	U	< 4.6	4.6	U	< 4.1	4.1	U	< 5.5	5.5	U	< 6.5	6.5	U	< 5.7	5.7	U	-	-	-	-	-	-
Naphthalene	ug/Kg			1,500	300		450	270		1,100	270		-	-	-	1.8	5.8	J	1,000	280		610	280		660	310		2.4	6.5	J	< 5.7	5.7	U	-	-	-	-	-	-
n-Butylbenzene	ug/Kg	100,000	12,000	< 3.5	3.5	U	0.83	4.5	J	71	270	J	-	-	-	< 5.8	5.8	U	< 4.6	4.6	U	< 280	280	U	< 5.5	5.5	U	< 6.5	6.5	U	< 5.7	5.7	U	-	-	-	-	-	-
n-Propylbenzene	ug/Kg	100,000	3,900	< 3.5	3.5	U	2.2	4.5	J	56	270	J	-	-	-	< 5.8	5.8	U	< 4.6	4.6	U	< 280	280	U	82	310	J	< 6.5	6.5	U	< 5.7	5.7	U	-	-	-	-	-	-
o-Xylene	ug/Kg			75	300	J	55	270	J	150	270	J	-	-	-	< 5.8	5.8	U	1.4	4.6	J	120	280	J	560	310		< 6.5	6.5	U	< 5.7	5.7	U	-	-	-	-	-	-
p-Isopropyltoluene	ug/Kg			1.2	3.5	J	2.8	4.5	J	85	270	J	-	-	-	< 5.8	5.8	U	34	280	J	< 280	280	U	34	310	J	2.1	6.5	J	< 5.7	5.7	U	-	-	-	-	-	-
sec-Butylbenzene	ug/Kg	100,000	11,000	0.41	3.5	J	4.6	4.5		51	270	J	-	-	-	< 5.8	5.8	U	< 4.6	4.6	U	< 280	280	U	< 5.5	5.5	U	< 6.5	6.5	U	< 5.7	5.7	U	-	-	-	-	-	-
Styrene	ug/Kg			< 3.5	3.5	U	< 4.5	4.5	U	< 4.9	4.9	U	-	-	-	< 5.8	5.8	U	< 4.6	4.6	U	< 4.1	4.1	U	< 5.5	5.5	U	< 6.5	6.5	U	< 5.7	5.7	U	-	-	-	-	-	-
tert-Butylbenzene	ug/Kg	100,000	5,900	< 3.5	3.5	U	0.53	4.5	J	< 4.9	4.9	U	-	-	-	< 5.8	5.8	U	< 4.6	4.6	U	< 280	280	U	< 5.5	5.5	U	< 6.5	6.5	U	< 5.7	5.7	U	-	-	-	-	-	-
Tetrachloroethene	ug/Kg	19,000	1,300	< 3.5	3.5	U	< 4.5	4.5	U	< 4.9	4.9	U	-	-	-	< 5.8	5.8	U	< 4.6	4.6	U	< 4.1	4.1	U	< 5.5	5.5	U	< 6.5	6.5	U	< 5.7	5.7	U	-	-	-	-	-	-
Tetrahydrofuran (THF)	ug/Kg			< 7.1	7.1	U	< 9.0	9.0	U	< 9.9	9.9	U	-	-	-	< 12	12	U	< 9.2	9.2	U	< 8.2	8.2	U	< 11	11	U	< 13	13	U	< 11	11	U	-	-	-	-	-	-
Toluene	ug/Kg	100,000	700	71	300	J	41	270	J	110	270	J	-	-	-	< 5.8	5.8	U	82	280	J	190	280	J	740	310		< 6.5	6.5	U	0.67	5.7	J	-	-	-	-	-	-
trans-1,2-Dichloroethene	ug/Kg	100,000	190	< 3.5	3.5	U	< 4.5	4.5	U	< 4.9	4.9	U	-	-	-	< 5.8	5.8	U	< 4.6	4.6	U	< 4.1	4.1	U	< 5.5	5.5	U	< 6.5	6.5	U	< 5.7	5.7	U	-	-	-	-	-	-
trans-1,3-Dichloropropene	ug/Kg			< 3.5	3.5	U	< 4.5	4.5	U	< 4.9	4.9	U	-	-	-	< 5.8	5.8	U	< 4.6	4.6	U	< 4.1	4.1	U	< 5.5	5.5	U	< 6.5	6.5	U	< 5.7	5.7	U	-	-	-	-	-	-
trans-1,4-dichloro-2-butene	ug/Kg			< 7.1	7.1	U	< 9.0	9.0	U	< 9.9	9.9	U	-	-	-	< 12	12	U	< 9.2	9.2	U	< 560	560	U	< 11	11	U	< 13	13	U	< 11	11	U	-	-	-	-	-	-
Trichloroethene	ug/Kg	21,000	470	< 3.5	3.5	U	< 4.5	4.5	U	< 4.9	4.9	U	-	-	-	< 5.8	5.8	U	< 4.6	4.6	U	< 4.1	4.1	U	< 5.5	5.5	U	< 6.5	6.5	U	< 5.7	5.7	U	-	-	-	-	-	-
Trichlorofluoromethane	ug/Kg			< 3.5	3.5	U	< 4.5	4.5	U	< 4.9	4.9	U	-	-	-	< 5.8	5.8	U	< 4.6	4.6	U	< 4.1	4.1	U	< 5.5	5.5	U	< 6.5	6.5	U	< 5.7	5.7	U	-	-	-	-	-	-
Trichlorotrifluoroethane	ug/Kg			< 3.5	3.5	U	< 4.5	4.5	U	< 4.9	4.9	U	-	-	-	< 5.8	5.8	U	< 4.6	4.6	U	< 4.1	4.1	U	< 5.5	5.5	U	< 6.5	6.5	U	< 5.7	5.7	U	-	-	-	-	-	-
Vinyl chloride	ug/Kg	900	20	< 3.5	3.5	U	< 4.5	4.5	U	< 4.9	4.9	U	-	-	-	< 5.8	5.8	U	< 4.6	4.6	U	< 4.1	4.1	U	< 5.5	5.5	U	< 6.5	6.5	U	< 5.7	5.7	U	-	-	-	-	-	-
1,1,1,2-Tetrachloroethane	ug/Kg			-	-	-	-	-	-	-	-	-	-	-	-	< 23	23	U	-	-	-	-	-	-	-	-	-	< 26	26	U	< 23	23	U	-	-	-	-	-	-
Acrolein	ug/Kg			-	-	-	-	-	-	-	-	-	-	-	-	< 23	23	U	-	-	-	-	-	-	-	-	-	< 26	26	U	< 23	23	U	-	-	-	-	-	-
Acrylonitrile	ug/Kg			-	-	-	-	-	-	-	-	-	-	-	-	< 23	23	U	-	-	-	-	-	-	-	-	-	< 26	26	U	< 23	23	U	-	-	-	-	-	-
Tert-butyl alcohol	ug/Kg			-	-	-	-	-	-	-	-	-	-	-	-	< 120	120	U	-	-	-	-	-	-	-	-	-	< 130	130	U	< 110	110	U	-	-	-	-	-	-
Semivolatiles By SW8270D																																						
Acenaphthene	ug/Kg	100,000	20,000	500	260		780	250		< 2500	2,500	U	< 2600	2,600	U	< 260	260	U	250	250		340	260		< 290	290	U	< 300	300	U	220	260	J	130	250	J	< 2600	2,600	U
Acenaphthylene	ug/Kg	100,000	100,000	230	260	J	470	250		< 2500	2,500	U	< 2600	2,600	U	< 260	260	U	150	250	J	140	260	J	< 290	290	U	< 300	300	U	< 260	260	U	< 250	250	U	< 2600	2,600	U
Anthracene	ug/Kg	100,000	100,000	1,200	260		1,100	250		< 2500	2,500	U	< 2600	2,600	U	140	260	J	590	250		800	260		< 290	290	U	150	300	J	520	260		330	250		1,800	2,600	J
Benz(a)anthracene	ug/Kg	1,000	1,000	2,100	260		2,100	250		< 2500	2,500	U	< 2600	2,600	U	490	260		1,200	250		2,000	260		< 290	290	U	480	300		1,300	260		800	250		5,700	2,600	
Benzo(a)pyrene	ug/Kg	1,000	1,000	1,700	260		1,800	250		< 2500	2,500	U	< 2600	2,600	U	390	260		830	250		1,500	260		< 290	290	U	410	300		1,000	260		710	250		6,100	2,600	
Benzo(b)fluoranthene	ug/Kg	1,000	1,000	2,100	260		2,300	250		< 2500	2,500	U	1,300	2,600	J	520	260		1,100	250		1,900	260		< 290	290	U	560	300		1,400	260		950	250		8,300	2,600	
Benzo(ghi)perylene	ug/Kg	100,000	100,000	920	260		1,000	250		< 2500	2,500	U	1,300	2,600	J	290	260		550	250		780	260		< 290	290	U	290	300	J	620	260		560	250		3,200	2,600	
Benzo(k)fluoranthene	ug/Kg	3,900	800	810	260		840	250		< 2500	2,500	U	< 2600	2,600	U	190	260	J	410	250		710	260		< 290	290	U	210	300	J	570	260		260	250		2200	2,600	J
Chrysene	ug/Kg	3,900	1,000	2200	260		2200	250		< 2500	2,500	U	< 2600	2,600	U	460	260		1200	250		1900	260		< 290	290	U	520	300		1300	260		940	250		6,000	2,600	
Dibenz(a,h)anthracene	ug/Kg	330	330	300	260		330	250		< 2500	2,500	U	< 2600	2,600	U	130	260	J	150	250	J	250	260	J	< 290	290	U	< 300	300	U	240	260	J	170	250	J	< 2600	2,600	U
Fluoranthene	ug/Kg	100,000	100,000	3,600	260		3,200	250		< 2500	2,500	U	1,700	2,600	J	580	260		1,600	250		2,400	260		< 290	290	U	690	300		2,100	260		1,100	250		8,100	2,600	
Fluorene	ug/Kg	100,000	30,000	870	260		1,500	250		< 2500	2,500	U	< 2600	2,600	U	< 260	260	U	470	250		450	260		< 290	290	U	< 300	300	U	290	260		130	250	J	< 2600	2,600	U
Indeno(1,2,3-cd)pyrene	ug/Kg	500	500	930	260		1,000	250		< 2500	2,500	U	< 2600	2,600	U	270	260		480	250		770	260		< 290	290	U	270	300	J	600	260		450	250		2,900	2,600	
Naphthalene	ug/Kg	100,000	12,000	970	260		3,200	250		< 2500	2,500	U	< 2600	2,600	U	< 260	260	U	< 250	250	U	< 260	260	U	< 290	290	U	< 300	300	U	< 260	260	U	< 250	250	U	< 2600	2,600	U
Phenanthrene	ug/Kg	100,000	100,000	4,700	260		4,600	500		1,500	2,500	J	1,400	2,600	J	470	260		2,500	250		2,800	260		360	290		680	300		1,900	260		1,400	250		7,400	2,600	
Pyrene	ug/Kg	100,000	100,000	2,800	260		2,700	250		< 2500	2,500	U	1,400	2,600	J	410	260		1,200	250		1,900	260		< 290	290	U	560	300		1,400	260		1,100	250		10,000	2,600	

Result Detected
Exceeds Unrestricted SCOs
Exceeds Restricted Residential SCOs

Table 2
Laboratory Results
Metals - PCBs - Pesticides

Collection Date			4/3/2015			4/3/2015			4/3/2015			4/3/2015			4/15/2015			4/3/2015			4/3/2015			4/3/2015			4/15/2015			4/15/2015			4/15/2015			4/15/2015		
Client Id	Restricted		B1 0-2			B2 0-2			B3 0-2			B4 0-2			B6 6-8 FT			B7 0-2			B8 0-2			B9 0-2			B9A 6-8 FT			B10 6-8 FT			B11 0-2 FT			B12 0-2 FT		
Matrix	Residential	Unrestricted	Soil			Soil			Soil			Soil			Solid			Soil			Soil			Soil			Solid			Solid			Solid			Solid		
Units			Result	RL	Qual	Result	RL	Qual	Result	RL	Qual	Result	RL	Qual	Result	RL	Qual	Result	RL	Qual	Result	RL	Qual	Result	RL	Qual	Result	RL	Qual	Result	RL	Qual	Result	RL	Qual	Result	RL	Qual
Metals, Total																																				
Aluminum	mg/Kg		17,800	33		9,290	36		10,300	35		7,050	36		9,210	41		8,420	38		7,990	32		7,630	34		4,970	42		16,100	34		8,500	38		8,490	39	
Antimony	mg/Kg		< 1.6	1.6	U	< 1.8	1.8	U	< 1.8	1.8	U	< 1.8	1.8	U	< 2.0	2.0	U*	< 1.9	1.9	U	< 1.6	1.6	U	< 1.7	1.7	U	< 2.1	2.1	U*	< 1.7	1.7	U*	< 1.9	1.9	U	< 1.9	1.9	U
Arsenic	mg/Kg	16	13	3.3	0.7		3.5	0.7		4.3	0.7		3.4	0.7		3.8	0.8	*	11.5	0.8		2.4	0.6		2.7	0.7		8.5	0.8	*	10.4	0.7	*	4.3	0.8	*	11.1	0.8	*
Barium	mg/Kg	400	350	244	0.7	N	101	0.7	N	143	0.7	N	96.5	0.7	N	126	0.8		191	0.8	N	72	0.6	N	64.4	0.7	N	104	0.8		182	0.7		162	0.8		164	0.8	
Beryllium	mg/Kg	72	7.2	0.63	0.26		0.34	0.29		0.41	0.28		0.31	0.28		0.42	0.33		0.37	0.31		0.24	0.26	B	0.26	0.27	B	0.36	0.34		2.95	0.27		2.05	0.31		0.66	0.31	
Cadmium	mg/Kg	4.3	2.5	< 0.33	0.33	U	0.29	0.36	B	0.52	0.35		< 0.36	0.36	U	< 0.41	0.41	U*	1.55	0.38		0.26	0.32	B	< 0.34	0.34	U	0.67	0.42	*	< 0.34	0.34	U*	2.5	0.38	*	0.51	0.39	*
Calcium	mg/Kg			16,400	33		27,300	36		27,000	35		71,200	36		5,610	4.1	*	41,000	38		40,700	32		49,400	34		16,900	42	*	14,900	34	*	17,000	38	*	38,600	39	*
Chromium	mg/Kg		30	44.7	0.33		25.1	0.36		32.1	0.35		17.6	0.36		23.4	0.41	*	39.1	0.38		19.4	0.32		13.6	0.34		16.7	0.42	*	46.3	0.34	*	31.3	0.38	*	26.9	0.39	*
Cobalt	mg/Kg			17.9	0.33		11.8	0.36		12.3	0.35		5.57	0.36		9.52	0.41		10.1	0.38		7.95	0.32		7.49	0.34		5.21	0.42		19	0.34		10.8	0.38		7.39	0.39	
Copper	mg/Kg	270	50	60.1	0.33		103	0.36		124	0.35		27.1	0.36		43.9	0.41		170	3.8		80	0.32		42.5	0.34		46.7	0.42		82.9	0.34		248	3.8		83.6	0.39	
Iron	mg/Kg			38,400	33		26,000	36		29,600	35		11,900	36		18,400	41		33,900	38		20,300	32		17,100	34		19,400	42		34,900	34		18,800	38		18,800	39	
Lead	mg/Kg	400	63	96.1	0.7		93.4	0.7		123	0.7		49	0.7		106	0.8		142	0.8		54.9	0.6		61.4	0.7		156	0.8		170	6.8		315	7.7		382	7.8	
Magnesium	mg/Kg			11,400	33		11,800	36		8,420	35		17,900	36		4,000	4.1		6,460	38		21,900	32		23,500	34		1,890	4.2		10,300	34		4,690	3.8		3,730	3.9	
Manganese	mg/Kg	2,000	1600	378	3.3	N	313	3.6	N	312	3.5	N	211	3.6	N	270	4.1		392	3.8	N	235	3.2	N	222	3.4	N	237	4.2		368	3.4		394	3.8		258	3.9	
Mercury	mg/Kg	0.81	0.18	0.69	0.03		0.76	0.03		0.72	0.03		0.44	0.03		0.63	0.03	N	0.19	0.03		0.3	0.03		0.38	0.03		1.23	0.03	N	0.4	0.03	N	1.03	0.03	N	0.32	0.03	N
Nickel	mg/Kg	310	30	34.3	0.33		25	0.36		30	0.35		14.4	0.36		19.2	0.41		32	0.38		17	0.32		25.9	0.34		18.7	0.42		28.1	0.34		43.4	0.38		22.1	0.39	
Potassium	mg/Kg			10,100	65		3,450	7		4,520	71		1,880	7		3,670	82	N	2,610	8		2,640	6		2,380	7		1,270	8	N	7,880	68	N	3,590	8	N	2,170	8	N
Selenium	mg/Kg	180	3.9	< 1.3	1.3	U	< 1.5	1.5	U	< 1.4	1.4	U	< 1.4	1.4	U	< 1.6	1.6	U	< 1.5	1.5	U	< 1.3	1.3	U	< 1.3	1.3	U	< 1.7	1.7	U	< 1.4	1.4	U	< 1.5	1.5	U	< 1.6	1.6	U
Silver	mg/Kg	180	2	< 0.33	0.33	U	< 0.36	0.36	U	< 0.35	0.35	U	< 0.36	0.36	U	< 0.41	0.41	U	< 0.38	0.38	U	< 0.32	0.32	U	< 0.34	0.34	U	< 0.42	0.42	U	< 0.34	0.34	U	2.66	0.38		3.96	0.39	
Sodium	mg/Kg			558	7		802	7		659	7		484	7		305	8	N	549	8		876	6		922	7		377	8	N	704	7	N	377	8	N	738	8	N
Thallium	mg/Kg			< 1.3	1.3	U	< 1.5	1.5	U	< 1.4	1.4	U	< 1.4	1.4	U	< 1.6	1.6	U	< 1.5	1.5	U	< 1.3	1.3	U	< 1.3	1.3	U	< 1.7	1.7	U	< 1.4	1.4	U	< 1.5	1.5	U	< 1.6	1.6	U
Vanadium	mg/Kg			92.7	0.3		63.5	0.4		53	0.4		28.3	0.4		34.1	0.4		35.3	0.4		60.7	0.3		72.6	0.3		91.2	0.4		97.8	0.3		25.7	0.4		50.3	0.4	
Zinc	mg/Kg	10,000	109	157	6.5	N	89.3	0.7	N	144	7.1	N	59	0.7	N	94.7	0.8		129	0.8	N	63.4	0.6	N	59	0.7	N	102	0.8		242	6.8		484	7.7		170	7.8	
PCBs By SW8082A																																				
PCB-1016	ug/Kg		100	< 36	36	U	< 35	35	U	< 36	36	U	< 38	38	U	< 96	96	U	< 36	36	U	< 35	35	U	< 35	35	U	< 43	43	U	< 93	93	U	< 87	87	U	< 95	95	U
PCB-1221	ug/Kg		100	< 36	36	U	< 35	35	U	< 36	36	U	< 38	38	U	< 96	96	U	< 36	36	U	< 35	35	U	< 35	35	U	< 43	43	U	< 93	93	U	< 87	87	U	< 95	95	U
PCB-1232	ug/Kg		100	< 36	36	U	< 35	35	U	< 36	36	U	< 38	38	U	< 96	96	U	< 36	36	U	< 35	35	U	< 35	35	U	< 43	43	U	< 93	93	U	< 87	87	U	< 95	95	U
PCB-1242	ug/Kg		100	< 36	36	U	< 35	35	U	< 36	36	U	< 38	38	U	< 96	96	U	< 36	36	U	< 35	35	U	< 35	35	U	< 43	43	U	< 93	93	U	< 87	87	U	< 95	95	U
PCB-1248	ug/Kg		100	< 36	36	U	< 35	35	U	< 36	36	U	< 38	38	U	< 96	96	U	< 36	36	U	< 35	35	U	< 35	35	U	< 43	43	U	< 93	93	U	< 87	87	U	< 95	95	U
PCB-1254	ug/Kg		100	< 36	36	U	< 35	35	U	< 36	36	U	< 38	38	U	< 96	96	U	< 36	36	U	< 35	35	U	< 35	35	U	< 43	43	U	< 93	93	U	< 87	87	U	< 95	95	U
PCB-1260	ug/Kg		100	160	36		640	35		790	36		< 38	38	U	< 96	96	U	410	36		750	35		63	35		< 43	43	U	< 93	93	U	180	87		< 95	95	U
PCB-1262	ug/Kg			< 36	36	U	< 35	35	U	< 36	36	U	< 38	38	U	< 96	96	U	< 36	36	U	< 35	35	U	< 35	35	U	< 43	43	U	< 93	93	U	< 87	87	U	< 95	95	U
PCB-1268	ug/Kg			< 36	36	U	< 35	35	U	< 36	36	U	< 38	38	U	< 96	96	U	< 36	36	U	< 35	35	U	< 35	35	U	< 43	43	U	< 93	93	U	< 87	87	U	< 95	95	U
Pesticides By SW8081B																																				
4,4' -DDD	ug/Kg	13,000	3.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	< 2.1	2.1	U	< 3.3	3.3	U
4,4' -DDE	ug/Kg	8,900	3.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	< 3.0	3.0	U	< 2.3	2.3	U
4,4' -DDT	ug/Kg	7,900	3.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	< 8.0	8.0	U	< 2.3	2.3	U
a-BHC	ug/Kg	480	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	< 7.0	7.0	U	< 7.6	7.6	U
a-Chlordane	ug/Kg	4,200	94	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	< 7.0	7.0	U	< 3.8	3.8	U
Aldrin	ug/Kg	97	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	< 3.5	3.5	U	< 3.8	3.8	U
b-BHC	ug/Kg	360	36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	< 7.0	7.0	U	< 7.6	7.6	U
Chlordane	ug/Kg			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	< 35	35	U	< 38	38	U
d-BHC	ug/Kg	100,000	40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	< 7.0	7.0	U	< 7.6	7.6	U
Dieldrin	ug/Kg	200	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	< 6.0	6.0	U	< 3.8	3.8	U
Endosulfan I	ug/Kg	24,000	2400	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	< 7.0	7.0	U	< 7.6	7.6	U
Endosulfan II	ug/Kg	24,000	2400	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	< 7.0	7.0	U	< 7.6	7.6	U
Endosulfan sulfate	ug/Kg	24,000	2400	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	< 7.0	7.0	U	< 7.6	7.6	U
Endrin	ug/Kg	11,000	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	< 7.0	7.0	U	< 7.6	7.6	U
Endrin aldehyde	ug/Kg			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	< 7.0	7.0	U	< 7.6	7.6	U
Endrin ketone	ug/Kg			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	< 7.0	7.0	U	< 7.6	7.6	U
g-BHC	ug/Kg	1,300	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	< 1.4	1.4	U	< 1.5	1.5	U
g-Chlordane	ug/Kg			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	< 15	15	U	< 3.8	3.8	U
Heptachlor	ug/Kg	2,100	42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	< 7.0	7.0	U	< 7.6	7.6	U
Heptachlor epoxide	ug/Kg			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	< 7.0	7.0	U	< 7.6	7.6	U
Methoxychlor	ug/Kg			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	< 35	35	U	< 38	38	U
Toxaphene	ug/Kg			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	< 140	140	U	< 150	150	U

Result Detected
Exceeds Unrestricted SCOs
Exceeds Restricted Residential SCOs

Table 3
Laboratory Results
VOCs - Ground Water

	Collection Date		4/3/2015			4/3/2015			4/15/2015			4/15/2015		
	Client Id	Water Quality	GW 1			GW 2			GW 6			GW 9A		
	Matrix	Standard	Ground Water			Ground Water			Ground Water			Ground Water		
	Units		Result	RL	Qual	Result	RL	Qual	Result	RL	Qual	Result	RL	Qual
Volatiles By SW8260C														
1,1,1,2-Tetrachloroethane	ug/L	5		1.0	U	< 1.0	1.0	U	< 1.0	1.0	U	< 1.0	1.0	U
1,1,1-Trichloroethane	ug/L	5		5.0	U	< 5.0	5.0	U	< 5.0	5.0	U	< 5.0	5.0	U
1,1,2,2-Tetrachloroethane	ug/L	5		1.0	U	< 1.0	1.0	U	< 1.0	1.0	U	< 1.0	1.0	U
1,1,2-Trichloroethane	ug/L	1		1.0	U	< 1.0	1.0	U	< 1.0	1.0	U	< 1.0	1.0	U
1,1-Dichloroethane	ug/L	5		5.0	U	< 5.0	5.0	U	< 5.0	5.0	U	< 5.0	5.0	U
1,1-Dichloroethene	ug/L	5		1.0	U	< 1.0	1.0	U	< 1.0	1.0	U	< 1.0	1.0	U
1,1-Dichloropropene	ug/L			1.0	U	< 1.0	1.0	U	< 1.0	1.0	U	< 1.0	1.0	U
1,2,3-Trichlorobenzene	ug/L			1.0	U	< 1.0	1.0	U	< 1.0	1.0	U	< 1.0	1.0	U
1,2,3-Trichloropropane	ug/L	0.04		1.0	U	< 1.0	1.0	U	< 1.0	1.0	U	< 1.0	1.0	U
1,2,4-Trichlorobenzene	ug/L			1.0	U	< 1.0	1.0	U	< 1.0	1.0	U	< 1.0	1.0	U
1,2,4-Trimethylbenzene	ug/L	5		1.0	U	< 1.0	1.0	U	< 1.0	1.0	U	< 1.0	1.0	U
1,2-Dibromo-3-chloropropane	ug/L	0.04		1.0	U	< 1.0	1.0	U	< 1.0	1.0	U	< 1.0	1.0	U
1,2-Dibromoethane	ug/L			1.0	U	< 1.0	1.0	U	< 1.0	1.0	U	< 1.0	1.0	U
1,2-Dichlorobenzene	ug/L	5		1.0	U	< 1.0	1.0	U	< 1.0	1.0	U	< 1.0	1.0	U
1,2-Dichloroethane	ug/L	0.6		0.60	U	< 0.60	0.60	U	< 0.60	0.60	U	< 0.60	0.60	U
1,2-Dichloropropane	ug/L	0.94		1.0	U	< 1.0	1.0	U	< 1.0	1.0	U	< 1.0	1.0	U
1,3,5-Trimethylbenzene	ug/L	5		1.0	U	< 1.0	1.0	U	< 1.0	1.0	U	< 1.0	1.0	U
1,3-Dichlorobenzene	ug/L			1.0	U	< 1.0	1.0	U	< 1.0	1.0	U	< 1.0	1.0	U
1,3-Dichloropropane	ug/L	5		1.0	U	< 1.0	1.0	U	< 1.0	1.0	U	< 1.0	1.0	U
1,4-Dichlorobenzene	ug/L	5		1.0	U	< 1.0	1.0	U	< 1.0	1.0	U	< 1.0	1.0	U
2,2-Dichloropropane	ug/L	5		1.0	U	< 1.0	1.0	U	< 1.0	1.0	U	< 1.0	1.0	U
2-Chlorotoluene	ug/L	5		1.0	U	< 1.0	1.0	U	< 1.0	1.0	U	< 1.0	1.0	U
2-Hexanone	ug/L			2.5	U	< 2.5	2.5	U	< 2.5	2.5	U	< 2.5	2.5	U
2-Isopropyltoluene	ug/L	5		1.0	U	< 1.0	1.0	U	< 1.0	1.0	U	< 1.0	1.0	U
4-Chlorotoluene	ug/L	5		1.0	U	< 1.0	1.0	U	< 1.0	1.0	U	< 1.0	1.0	U
4-Methyl-2-pentanone	ug/L			2.5	U	< 2.5	2.5	U	< 2.5	2.5	U	< 2.5	2.5	U
Acetone	ug/L	50		5.0	S	7.7	5.0	S	4.8	5.0	JS	6.8	5.0	S
Acrolein	ug/L			5.0	U	< 5.0	5.0	U	< 5.0	5.0	U	< 5.0	5.0	U
Acrylonitrile	ug/L	5		5.0	U	< 5.0	5.0	U	< 5.0	5.0	U	< 5.0	5.0	U
Benzene	ug/L	1		0.70	U	< 0.70	0.70	U	< 0.70	0.70	U	< 0.70	0.70	U
Bromobenzene	ug/L	5		1.0	U	< 1.0	1.0	U	< 1.0	1.0	U	< 1.0	1.0	U
Bromochloromethane	ug/L	5		1.0	U	< 1.0	1.0	U	< 1.0	1.0	U	< 1.0	1.0	U
Bromodichloromethane	ug/L			1.0	U	< 1.0	1.0	U	< 1.0	1.0	U	< 1.0	1.0	U
Bromoform	ug/L			5.0	U	< 5.0	5.0	U	< 5.0	5.0	U	< 5.0	5.0	U
Bromomethane	ug/L	5		5.0	U	< 5.0	5.0	U	< 5.0	5.0	U	< 5.0	5.0	U
Carbon Disulfide	ug/L	60		1.0	J	1.3	1.0		< 1.0	1.0	U	1.3	1.0	
Carbon tetrachloride	ug/L	5		1.0	U	< 1.0	1.0	U	< 1.0	1.0	U	< 1.0	1.0	U
Chlorobenzene	ug/L	5		5.0	U	< 5.0	5.0	U	< 5.0	5.0	U	< 5.0	5.0	U
Chloroethane	ug/L	5		5.0	U	< 5.0	5.0	U	< 5.0	5.0	U	< 5.0	5.0	U
Chloroform	ug/L	7		5.0	U	< 5.0	5.0	U	< 5.0	5.0	U	< 5.0	5.0	U
Chloromethane	ug/L	60		5.0	U	< 5.0	5.0	U	< 5.0	5.0	U	< 5.0	5.0	U
cis-1,2-Dichloroethene	ug/L	5		1.0	U	< 1.0	1.0	U	< 1.0	1.0	U	< 1.0	1.0	U
cis-1,3-Dichloropropene	ug/L			0.40	U	< 0.40	0.40	U	< 0.40	0.40	U	< 0.40	0.40	U
Dibromochloromethane	ug/L			1.0	U	< 1.0	1.0	U	< 1.0	1.0	U	< 1.0	1.0	U
Dibromomethane	ug/L	5		1.0	U	< 1.0	1.0	U	< 1.0	1.0	U	< 1.0	1.0	U
Dichlorodifluoromethane	ug/L	5		1.0	U	< 1.0	1.0	U	< 1.0	1.0	U	< 1.0	1.0	U
Ethylbenzene	ug/L	5		1.0	U	< 1.0	1.0	U	< 1.0	1.0	U	< 1.0	1.0	U
Hexachlorobutadiene	ug/L	0.5		1.0	U	< 1.0	1.0	U	< 0.5	0.5	U	< 0.5	0.5	U
Isopropylbenzene	ug/L	5		1.0	U	< 1.0	1.0	U	< 1.0	1.0	U	< 1.0	1.0	U
m&p-Xylene	ug/L	5		1.0	U	< 1.0	1.0	U	< 1.0	1.0	U	< 1.0	1.0	U
Methyl ethyl ketone	ug/L	50		2.5	U	< 2.5	2.5	U	< 2.5	2.5	U	< 2.5	2.5	U
Methyl t-butyl ether (MTBE)	ug/L	10		1.0	J	0.94	1.0	J	1.9	1.0		0.32	1.0	J
Methylene chloride	ug/L	5		3.0	U	< 3.0	3.0	U	< 3.0	3.0	U	< 3.0	3.0	U
Naphthalene	ug/L	10		1.0	U	< 1.0	1.0	U	1.5	1.0		< 1.0	1.0	U
n-Butylbenzene	ug/L	5		1.0	U	< 1.0	1.0	U	< 1.0	1.0	U	< 1.0	1.0	U
n-Propylbenzene	ug/L	5		1.0	U	< 1.0	1.0	U	< 1.0	1.0	U	< 1.0	1.0	U
o-Xylene	ug/L	5		1.0	U	< 1.0	1.0	U	< 1.0	1.0	U	< 1.0	1.0	U
p-Isopropyltoluene	ug/L			1.0	U	< 1.0	1.0	U	< 1.0	1.0	U	< 1.0	1.0	U
sec-Butylbenzene	ug/L	5		1.0	U	< 1.0	1.0	U	< 1.0	1.0	U	< 1.0	1.0	U
Styrene	ug/L	5		1.0	U	< 1.0	1.0	U	< 1.0	1.0	U	< 1.0	1.0	U
tert-Butylbenzene	ug/L	5		1.0	U	< 1.0	1.0	U	< 1.0	1.0	U	< 1.0	1.0	U
Tetrachloroethene	ug/L	5		1.0	U	< 1.0	1.0	U	< 1.0	1.0	U	< 1.0	1.0	U
Tetrahydrofuran (THF)	ug/L			5.0	U	< 5.0	5.0	U	< 5.0	5.0	U	< 5.0	5.0	U
Toluene	ug/L	5		1.0	U	< 1.0	1.0	U	< 1.0	1.0	U	0.26	1.0	J
trans-1,2-Dichloroethene	ug/L	5		5.0	U	< 5.0	5.0	U	< 5.0	5.0	U	< 5.0	5.0	U
trans-1,3-Dichloropropene	ug/L	0.4		0.40	U	< 0.40	0.40	U	< 0.40	0.40	U	< 0.40	0.40	U
trans-1,4-dichloro-2-butene	ug/L	5		2.5	U	< 2.5	2.5	U	< 2.5	2.5	U	< 2.5	2.5	U
Trichloroethene	ug/L	5		1.0	U	< 1.0	1.0	U	< 1.0	1.0	U	< 1.0	1.0	U
Trichlorofluoromethane	ug/L	5		1.0	U	< 1.0	1.0	U	< 1.0	1.0	U	< 1.0	1.0	U
Trichlorotrifluoroethane	ug/L			1.0	U	< 1.0	1.0	U	< 1.0	1.0	U	< 1.0	1.0	U
Vinyl chloride	ug/L	2		1.0	U	< 1.0	1.0	U	< 1.0	1.0	U	< 1.0	1.0	U
PCBs By E608/SW8082A														
PCB-1016	ug/L	0.09							< 0.081	0.081	U	< 0.11	0.11	U
PCB-1221	ug/L	0.09							< 0.081	0.081	U	< 0.11	0.11	U
PCB-1232	ug/L	0.09							< 0.081	0.081	U	< 0.11	0.11	U
PCB-1242	ug/L	0.09							< 0.081	0.081	U	< 0.11	0.11	U
PCB-1248	ug/L	0.09							< 0.081	0.081	U	< 0.11	0.11	U
PCB-1254	ug/L	0.09							< 0.081	0.081	U	< 0.11	0.11	U
PCB-1260	ug/L	0.09							< 0.081	0.081	U	0.16	0.11	
PCB-1262	ug/L								< 0.081	0.081	U	< 0.11	0.11	U
PCB-1268	ug/L								< 0.081	0.081	U	< 0.11	0.11	U

Result Detected
Exceeds Standard

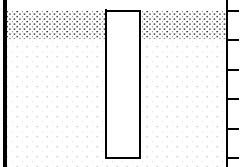
SOIL BORING LOGS

Geologic Boring Log Details

ENVIRONMENTAL BUSINESS CONSULTANTS

SB1 Boring Log

Location: Performed in the northwest corner of the Site closer to 11th Avenue.		Depth to Water (ft. from grade.)		Site Elevation Datum
Site Name: TSI	Address: 438 11th Avenue, New York, New York	Date	DTW	Ground Elevation
		Groundwater depth		
Drilling Company: C^2 Environmental	Method: Geoprobe	Not Detected		Well Specifications
Date Started: 4/3/2015	Date Completed: 4/3/2015			None
Completion Depth: 2 Feet	Geologist Greg Swirson			

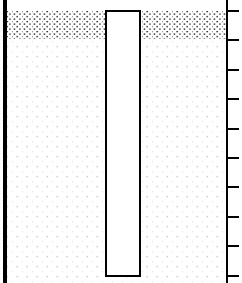
SB1 (NTS)	DEPTH (ft below grade)	SAMPLES Reco-very (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0 to 2	10		0.0	10"- Fill material *Hit refusal at 2'* *Retained soil sample B1(0-2)*

Geologic Boring Log Details

ENVIRONMENTAL BUSINESS CONSULTANTS

SB2 Boring Log

Location: Performed towards the center of the site to the southwest of SB8.		Depth to Water (ft. from grade.)		Site Elevation Datum
Site Name: TSI	Address: 438 11th Avenue, New York, New York	Date	DTW	Ground Elevation
		Groundwater depth		
Drilling Company: C^2 Environmental	Method: Geoprobe	6'		Well Specifications
Date Started: 4/3/2015	Date Completed: 4/3/2015			None
Completion Depth: 8 Feet	Geologist Greg Swirson			

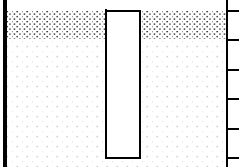
SB2 (NTS)	DEPTH (ft below grade)	SAMPLES Reco-very (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0				
	to 5	36		0.0	18"- Fill brown sand 18"- Brown sand/silt **Petrol odor* **Retained soil sample B2(0-2)*
	to 8	24		0.0	12"- Recovery 6"- Grey sand water at 6' 6"- Crushed Rock dry **Retained soil sample B2(5-7)*

Geologic Boring Log Details

ENVIRONMENTAL BUSINESS CONSULTANTS

SB3 Boring Log

Location: Perfromed on the northern side of the Site, to the north of SB2.		Depth to Water (ft. from grade.)		Site Elevation Datum
Site Name: TSI	Address: 438 11th Avenue, New York, New York	Date	DTW	Ground Elevation
		Groundwater depth		
Drilling Company: C^2 Environmental	Method: Geoprobe	Not Detected		Well Specifications
Date Started: 4/3/2015	Date Completed: 4/3/2015			None
Completion Depth: 5 Feet	Geologist Greg Swirson			

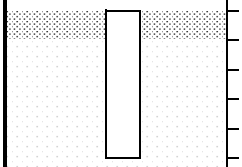
SB3 (NTS)	DEPTH (ft below grade)	SAMPLES Reco-very (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0 to 5	32		0.0	20"- Brown sand w/ rocks and brick 12"- Grey sand/silt (Petroleum odor) **Retained soil sample B3(0-2) & (3-5)*

Geologic Boring Log Details

ENVIRONMENTAL BUSINESS CONSULTANTS

B4 Boring Log

Location: Performed on the southeastern side of the Site, to the northeast of SB7.		Depth to Water (ft. from grade.)		Site Elevation Datum
Site Name: TSI	Address: 438 11th Avenue, New York, New York	Date	DTW	Ground Elevation
		Groundwater depth		
Drilling Company: C^2 Environmental	Method: Geoprobe	Not Detected		Well Specifications
Date Started: 4/3/2015	Date Completed: 4/3/2015			None
Completion Depth: 5 Feet	Geologist Greg Swirson			

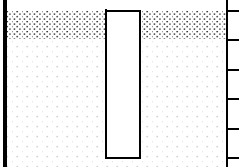
SB4 (NTS)	DEPTH (ft below grade)	SAMPLES Reco-very (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0				
	to	48		0.0	2"- Brown sand/silt 3"- Coal (Fill material to 2') 8"- Tan gravel sand 35"- Brown sand (slight petroleum odor) **Retained soil sample B4(0-2) & (3-5)*
	5				

Geologic Boring Log Details

ENVIRONMENTAL BUSINESS CONSULTANTS

SB5 Boring Log

Location: Performed to the eastern side of the Site, to the east of SB6.		Depth to Water (ft. from grade.)		Site Elevation Datum
Site Name: TSI	Address: 438 11th Avenue, New York, New York	Date	DTW	Ground Elevation
		Groundwater depth		
Drilling Company: C^2 Environmental	Method: Geoprobe	Not Detected		Well Specifications
Date Started: 4/15/2015	Date Completed: 4/15/2015			None
Completion Depth: 2 Feet	Geologist Greg Swirson			

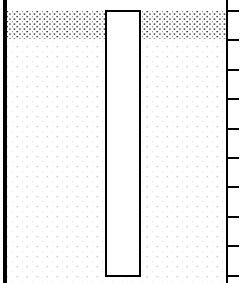
SB5 (NTS)	DEPTH (ft below grade)	SAMPLES Reco-very (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0 to 2	18		0.0	18"- Brown silt w/ rocks **Retained soil sample B5(0-2)*

Geologic Boring Log Details

ENVIRONMENTAL BUSINESS CONSULTANTS

SB6 Boring Log

Location: Performed towards the eastern side of the Site to the north of SB4.		Depth to Water (ft. from grade.)		Site Elevation Datum
Site Name: TSI	Address: 438 11th Avenue, New York, New York	Date	DTW	Ground Elevation
		Groundwater depth		
Drilling Company: C^2 Environmental	Method: Geoprobe	Not Detected		Well Specifications
Date Started: 4/15/2015	Date Completed: 4/15/2015			None
Completion Depth: 9 Feet	Geologist Greg Swirson			

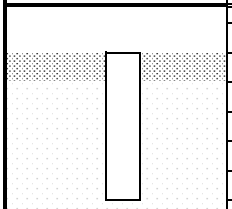
SB6 (NTS)	DEPTH (ft below grade)	SAMPLES Reco-very (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0 to 5	52		0.0	44"- Brown sand w/ rocks and bricks 8"- Black silt (stained) black sludge **Retained soil sample B6(0-2)*
	5 to 9	25		0.0	20"- Black silt (stained) black sludge 5"- Crushed rock **Retained soil sample B6 (6-8)*

Geologic Boring Log Details

ENVIRONMENTAL BUSINESS CONSULTANTS

SB7 Boring Log

Location: Performed towards the southern side of the Site, to the west of SB4.		Depth to Water (ft. from grade.)		Site Elevation Datum
Site Name: TSI	Address: 438 11th Avenue, New York, New York	Date	DTW	Ground Elevation
		Groundwater depth		
Drilling Company: C^2 Environmental	Method: Geoprobe	Not Detected		Well Specifications
Date Started: 4/3/2015	Date Completed: 4/3/2015			None
Completion Depth: 5 Feet	Geologist Greg Swirson			

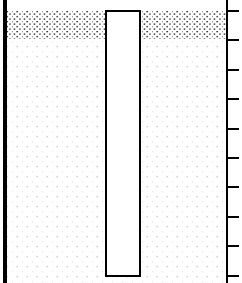
SB7 (NTS)	DEPTH (ft below grade)	SAMPLES Reco-very (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0 to 5	43		0.0	2"- Brown sand/silt 4"- Asphalt 37"- Brown sand/silt with brick **Petroleum odor/Refusal at 5'* **Retained soil sample B7(0-2) & (3-5)*

Geologic Boring Log Details

ENVIRONMENTAL BUSINESS CONSULTANTS

SB8 Boring Log

Location: Performed towards the north side of the Site, to the northeast of the puddle located on the Site.		Depth to Water (ft. from grade.)		Site Elevation Datum
Site Name: TSI	Address: 438 11th Avenue, New York, New York	Date	DTW	Ground Elevation
		Groundwater depth		
Drilling Company: C^2 Environmental	Method: Geoprobe	Not Detected		Well Specifications
Date Started: 4/3/2015	Date Completed: 4/3/2015			None
Completion Depth: 8 Feet	Geologist Greg Swirson			

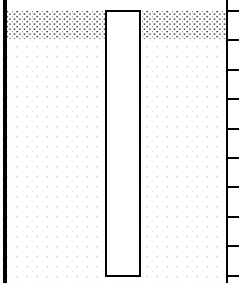
SB8 (NTS)	DEPTH (ft below grade)	SAMPLES Reco-very (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0				
	to 5	24		0.0	18"- Fill material w/ brown sand 6"- Brown sand *No odor/ black streaking *Retained soil sample B8(0-2)*
	to 8	38		0.0	20"- Brown sand/silt (light odor/black streaking) 18"- Crushed rock *Retained soil sample B8 (4-6)*

Geologic Boring Log Details

ENVIRONMENTAL BUSINESS CONSULTANTS

SB9 Boring Log

Location: Performed on the western side of the Site, to the west of the puddle located on the Site.		Depth to Water (ft. from grade.)		Site Elevation Datum
Site Name: TSI	Address: 438 11th Avenue, New York, New York	Date	DTW	Ground Elevation
		Groundwater depth		
Drilling Company: C^2 Environmental	Method: Geoprobe	6'		Well Specifications
Date Started: 4/3/2015	Date Completed: 4/3/2015			None
Completion Depth: 8 Feet	Geologist Greg Swirson			

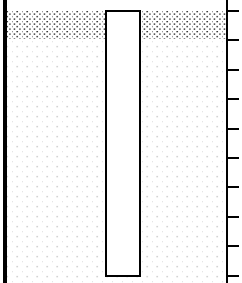
SB9 (NTS)	DEPTH (ft below grade)	SAMPLES Reco-very (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0				
	to 5	38		46.0	18"- Brown sand/silt (fill to 3ft) 20"- Black sand/silt **Petroleum odor* **Retained soil sample B9(0-2)*
	to 8	34		14.0	34"- Grey sand/silt, black gravel wet at 6' **Retained soil sample B9 (4-6)*

Geologic Boring Log Details

ENVIRONMENTAL BUSINESS CONSULTANTS

SB9 Boring Log

Location: Performed on the western side of the Site, to the west of the puddle located on the Site.		Depth to Water (ft. from grade.)		Site Elevation Datum
Site Name: TSI	Address: 438 11th Avenue, New York, New York	Date	DTW	Ground Elevation
		Groundwater depth		
Drilling Company: C^2 Environmental	Method: Geoprobe			Well Specifications
Date Started: 4/15/2015	Date Completed: 4/15/2015			None
Completion Depth: 8 Feet	Geologist Greg Swirson			

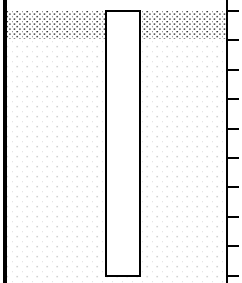
SB9a (NTS)	DEPTH (ft below grade)	SAMPLES Reco-very (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0				
	to 5	50		0.0	50"- Brown silt w/ crushed rock and brick **Retained soil sample B9a(0-2)*
	to 8	21		0.0	3"- Rocks 18"- Brown silt w/ crushed rocks **Black sludge, metal pieces, & black streaking* **Retained soil sample B9a (6-8)*

Geologic Boring Log Details

ENVIRONMENTAL BUSINESS CONSULTANTS

SB10 Boring Log

Location: Performed towards the center of the Site on the northwestern side of the Site.		Depth to Water (ft. from grade.)		Site Elevation Datum
Site Name: TSI	Address: 438 11th Avenue, New York, New York	Date	DTW	Ground Elevation
		Groundwater depth		
Drilling Company: C^2 Environmental	Method: Geoprobe			Well Specifications
Date Started: 4/15/2015	Date Completed: 4/15/2015			None
Completion Depth: 8 Feet	Geologist Greg Swirson			

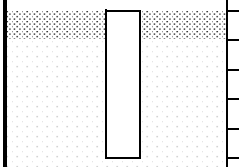
SB10 (NTS)	DEPTH (ft below grade)	SAMPLES Reco-very (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0				
	to 5	38		46.0	28"- Brown sand/silt w/ rock and brick 10"- Brown silt **Retained soil sample B10(0-2)*
	to 8	20		14.0	8"- Brown silt w/ black streaking 8"- Rock 4"- Brown sand w/ crushed rock **Retained soil sample B10 (6-8)*

Geologic Boring Log Details

ENVIRONMENTAL BUSINESS CONSULTANTS

SB11 Boring Log

Location: Performed to the north of the outcrop located on towards the northern side of the site.		Depth to Water (ft. from grade.)		Site Elevation Datum
Site Name: TSI	Address: 438 11th Avenue, New York, New York	Date	DTW	Ground Elevation
		Groundwater depth		
Drilling Company: C^2 Environmental	Method: Geoprobe			Well Specifications
Date Started: 4/15/2015	Date Completed: 4/15/2015			None
Completion Depth: 8 Feet	Geologist Greg Swirson			

SB11 (NTS)	DEPTH (ft below grade)	SAMPLES Reco-very (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0 to 2	6		0.0	6"- Brown silt. Fill material **Retained soil sample B11(0-2)*

Geologic Boring Log Details

ENVIRONMENTAL BUSINESS CONSULTANTS

SB12 Boring Log

Location: Performed north of the outcrop on the nothern side of the Site to the southwest of SB11.		Depth to Water (ft. from grade.)		Site Elevation Datum
Site Name: TSI	Address: 438 11th Avenue, New York, New York	Date	DTW	Ground Elevation
		Groundwater depth		
Drilling Company: C^2 Environmental	Method: Geoprobe			Well Specifications
Date Started: 4/15/2015	Date Completed: 4/15/2015			None
Completion Depth: 4 Feet	Geologist Greg Swirson			

SB12 (NTS)	DEPTH (ft below grade)	SAMPLES Reco-very (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0				
	to 4	24		0.0	12"- Black and brown silt w/ bricks 12"- Brown silt **Retained soil sample SB12(0-2) & (2-4)*

LABORATORY REPORTS

PHOENIX
Environmental Laboratories, Inc.

Wednesday, April 22, 2015

Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Project ID: W 36TH ST MANHATTAN NY
Sample ID#s: BJ03612 - BJ03619

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

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

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

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

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

Sincerely yours,

Phyllis Shiller
Laboratory Director

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

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

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

SDG Comments

April 22, 2015

SDG I.D.: GBJ03612

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/FID method 504 or 8011 to achieve this criteria.

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

BJ03612 - Client provided soil jar for volatile analysis. Phoenix prepared sample per method 5035.

BJ03613 - Client provided soil jar for volatile analysis. Phoenix prepared sample per method 5035.

BJ03615 - Client provided soil jar for volatile analysis. Phoenix prepared sample per method 5035.

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

April 22, 2015

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	GS	04/15/15	8:00
Location Code:	EBC	Received by:	SW	04/16/15	16:33
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBJ03612
Phoenix ID: BJ03612

Project ID: W 36TH ST MANHATTAN NY
Client ID: B10 6-8 FT

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.34		0.34	0.34	mg/Kg	1	04/18/15	LK	SW6010C
Aluminum	16100		34	6.8	mg/Kg	10	04/17/15	LK	SW6010C
Arsenic	10.4	*	0.7	0.68	mg/Kg	1	04/18/15	LK	SW6010C
Barium	182		0.7	0.34	mg/Kg	1	04/18/15	LK	SW6010C
Beryllium	2.95		0.27	0.14	mg/Kg	1	04/18/15	LK	SW6010C
Calcium	14900	*	34	31	mg/Kg	10	04/17/15	LK	SW6010C
Cadmium	< 0.34	*	0.34	0.14	mg/Kg	1	04/18/15	LK	SW6010C
Cobalt	19.0		0.34	0.34	mg/Kg	1	04/18/15	LK	SW6010C
Chromium	46.3	*	0.34	0.34	mg/Kg	1	04/18/15	LK	SW6010C
Copper	82.9		0.34	0.34	mg/kg	1	04/18/15	LK	SW6010C
Iron	34900		34	34	mg/Kg	10	04/17/15	LK	SW6010C
Mercury	0.40	N	0.03	0.02	mg/Kg	1	04/20/15	RS	SW7471B
Potassium	7880	N	68	26	mg/Kg	10	04/17/15	LK	SW6010C
Magnesium	10300		34	34	mg/Kg	10	04/17/15	LK	SW6010C
Manganese	368		3.4	3.4	mg/Kg	10	04/17/15	LK	SW6010C
Sodium	704	N	7	2.9	mg/Kg	1	04/18/15	LK	SW6010C
Nickel	28.1		0.34	0.34	mg/Kg	1	04/18/15	LK	SW6010C
Lead	170		6.8	3.4	mg/Kg	10	04/17/15	LK	SW6010C
Antimony	< 1.7	*	1.7	1.7	mg/Kg	1	04/18/15	LK	SW6010C
Selenium	< 1.4		1.4	1.1	mg/Kg	1	04/18/15	LK	SW6010C
Thallium	< 1.4		1.4	1.4	mg/Kg	1	04/18/15	LK	SW6010C
Vanadium	97.8		0.3	0.34	mg/Kg	1	04/18/15	LK	SW6010C
Zinc	242		6.8	3.4	mg/Kg	10	04/17/15	LK	SW6010C
Percent Solid	87				%		04/16/15	I	SW846-%Solid
Soil Extraction for PCB	Completed						04/16/15	BC/H	SW3545A
Soil Extraction SVOA PAH	Completed						04/16/15	BJ/VH	SW3545A
Mercury Digestion	Completed						04/20/15	I/I	SW7471B
Total Metals Digest	Completed						04/16/15	AG	SW3050B

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Polychlorinated Biphenyls										
PCB-1016	ND		93	93	ug/Kg	5	04/17/15	AW	SW8082A	
PCB-1221	ND		93	93	ug/Kg	5	04/17/15	AW	SW8082A	
PCB-1232	ND		93	93	ug/Kg	5	04/17/15	AW	SW8082A	
PCB-1242	ND		93	93	ug/Kg	5	04/17/15	AW	SW8082A	
PCB-1248	ND		93	93	ug/Kg	5	04/17/15	AW	SW8082A	
PCB-1254	ND		93	93	ug/Kg	5	04/17/15	AW	SW8082A	
PCB-1260	ND		93	93	ug/Kg	5	04/17/15	AW	SW8082A	
PCB-1262	ND		93	93	ug/Kg	5	04/17/15	AW	SW8082A	
PCB-1268	ND		93	93	ug/Kg	5	04/17/15	AW	SW8082A	
QA/QC Surrogates										
% DCBP	61				%	5	04/17/15	AW	30 - 150 %	
% TCMX	51				%	5	04/17/15	AW	30 - 150 %	
Volatiles										
1,1,1,2-Tetrachloroethane	ND		5.7	1.1	ug/Kg	1	04/17/15	JLI	SW8260C	
1,1,1-Trichloroethane	ND		5.7	0.57	ug/Kg	1	04/17/15	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND		5.7	1.1	ug/Kg	1	04/17/15	JLI	SW8260C	
1,1,2-Trichloroethane	ND		5.7	1.1	ug/Kg	1	04/17/15	JLI	SW8260C	
1,1-Dichloroethane	ND		5.7	1.1	ug/Kg	1	04/17/15	JLI	SW8260C	
1,1-Dichloroethene	ND		5.7	0.57	ug/Kg	1	04/17/15	JLI	SW8260C	
1,1-Dichloropropene	ND		5.7	0.57	ug/Kg	1	04/17/15	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND		5.7	1.1	ug/Kg	1	04/17/15	JLI	SW8260C	
1,2,3-Trichloropropane	ND		5.7	0.57	ug/Kg	1	04/17/15	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND		5.7	1.1	ug/Kg	1	04/17/15	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND		5.7	0.57	ug/Kg	1	04/17/15	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND		5.7	1.1	ug/Kg	1	04/17/15	JLI	SW8260C	
1,2-Dibromoethane	ND		5.7	0.57	ug/Kg	1	04/17/15	JLI	SW8260C	
1,2-Dichlorobenzene	ND		5.7	0.57	ug/Kg	1	04/17/15	JLI	SW8260C	
1,2-Dichloroethane	ND		5.7	0.57	ug/Kg	1	04/17/15	JLI	SW8260C	
1,2-Dichloropropane	ND		5.7	1.1	ug/Kg	1	04/17/15	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND		5.7	0.57	ug/Kg	1	04/17/15	JLI	SW8260C	
1,3-Dichlorobenzene	ND		5.7	0.57	ug/Kg	1	04/17/15	JLI	SW8260C	
1,3-Dichloropropane	ND		5.7	1.1	ug/Kg	1	04/17/15	JLI	SW8260C	
1,4-Dichlorobenzene	ND		5.7	0.57	ug/Kg	1	04/17/15	JLI	SW8260C	
2,2-Dichloropropane	ND		5.7	0.57	ug/Kg	1	04/17/15	JLI	SW8260C	
2-Chlorotoluene	ND		5.7	1.1	ug/Kg	1	04/17/15	JLI	SW8260C	
2-Hexanone	ND		29	5.7	ug/Kg	1	04/17/15	JLI	SW8260C	
2-Isopropyltoluene	ND		5.7	0.57	ug/Kg	1	04/17/15	JLI	SW8260C	1
4-Chlorotoluene	ND		5.7	0.57	ug/Kg	1	04/17/15	JLI	SW8260C	
4-Methyl-2-pentanone	ND		29	5.7	ug/Kg	1	04/17/15	JLI	SW8260C	
Acetone	60	S	50	5.7	ug/Kg	1	04/17/15	JLI	SW8260C	B
Acrylonitrile	ND		11	0.57	ug/Kg	1	04/17/15	JLI	SW8260C	
Benzene	ND		5.7	0.57	ug/Kg	1	04/17/15	JLI	SW8260C	
Bromobenzene	ND		5.7	0.57	ug/Kg	1	04/17/15	JLI	SW8260C	
Bromochloromethane	ND		5.7	0.57	ug/Kg	1	04/17/15	JLI	SW8260C	
Bromodichloromethane	ND		5.7	1.1	ug/Kg	1	04/17/15	JLI	SW8260C	
Bromoform	ND		5.7	1.1	ug/Kg	1	04/17/15	JLI	SW8260C	
Bromomethane	ND		5.7	2.3	ug/Kg	1	04/17/15	JLI	SW8260C	

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Carbon Disulfide	2.2	J	5.7	1.1	ug/Kg	1	04/17/15	JLI	SW8260C	
Carbon tetrachloride	ND		5.7	1.1	ug/Kg	1	04/17/15	JLI	SW8260C	
Chlorobenzene	ND		5.7	0.57	ug/Kg	1	04/17/15	JLI	SW8260C	
Chloroethane	ND		5.7	0.57	ug/Kg	1	04/17/15	JLI	SW8260C	
Chloroform	ND		5.7	0.57	ug/Kg	1	04/17/15	JLI	SW8260C	
Chloromethane	ND		5.7	1.1	ug/Kg	1	04/17/15	JLI	SW8260C	
cis-1,2-Dichloroethene	ND		5.7	0.57	ug/Kg	1	04/17/15	JLI	SW8260C	
cis-1,3-Dichloropropene	ND		5.7	0.57	ug/Kg	1	04/17/15	JLI	SW8260C	
Dibromochloromethane	ND		5.7	1.1	ug/Kg	1	04/17/15	JLI	SW8260C	
Dibromomethane	ND		5.7	1.1	ug/Kg	1	04/17/15	JLI	SW8260C	
Dichlorodifluoromethane	ND		5.7	0.57	ug/Kg	1	04/17/15	JLI	SW8260C	
Ethylbenzene	ND		5.7	0.57	ug/Kg	1	04/17/15	JLI	SW8260C	
Hexachlorobutadiene	ND		5.7	0.57	ug/Kg	1	04/17/15	JLI	SW8260C	
Isopropylbenzene	ND		5.7	0.57	ug/Kg	1	04/17/15	JLI	SW8260C	
m&p-Xylene	ND		5.7	1.1	ug/Kg	1	04/17/15	JLI	SW8260C	
Methyl Ethyl Ketone	8.4	J	34	5.7	ug/Kg	1	04/17/15	JLI	SW8260C	
Methyl t-butyl ether (MTBE)	ND		11	1.1	ug/Kg	1	04/17/15	JLI	SW8260C	
Methylene chloride	ND		5.7	5.7	ug/Kg	1	04/17/15	JLI	SW8260C	
Naphthalene	ND		5.7	1.1	ug/Kg	1	04/17/15	JLI	SW8260C	
n-Butylbenzene	ND		5.7	0.57	ug/Kg	1	04/17/15	JLI	SW8260C	
n-Propylbenzene	ND		5.7	1.0	ug/Kg	1	04/17/15	JLI	SW8260C	
o-Xylene	ND		5.7	1.1	ug/Kg	1	04/17/15	JLI	SW8260C	
p-Isopropyltoluene	ND		5.7	0.57	ug/Kg	1	04/17/15	JLI	SW8260C	
sec-Butylbenzene	ND		5.7	0.57	ug/Kg	1	04/17/15	JLI	SW8260C	
Styrene	ND		5.7	0.57	ug/Kg	1	04/17/15	JLI	SW8260C	
tert-Butylbenzene	ND		5.7	0.57	ug/Kg	1	04/17/15	JLI	SW8260C	
Tetrachloroethene	ND		5.7	1.1	ug/Kg	1	04/17/15	JLI	SW8260C	
Tetrahydrofuran (THF)	ND		11	2.9	ug/Kg	1	04/17/15	JLI	SW8260C	1
Toluene	0.67	J	5.7	0.57	ug/Kg	1	04/17/15	JLI	SW8260C	
trans-1,2-Dichloroethene	ND		5.7	0.57	ug/Kg	1	04/17/15	JLI	SW8260C	
trans-1,3-Dichloropropene	ND		5.7	0.57	ug/Kg	1	04/17/15	JLI	SW8260C	
trans-1,4-dichloro-2-butene	ND		11	2.9	ug/Kg	1	04/17/15	JLI	SW8260C	
Trichloroethene	ND		5.7	0.57	ug/Kg	1	04/17/15	JLI	SW8260C	
Trichlorofluoromethane	ND		5.7	1.1	ug/Kg	1	04/17/15	JLI	SW8260C	
Trichlorotrifluoroethane	ND		5.7	0.57	ug/Kg	1	04/17/15	JLI	SW8260C	
Vinyl chloride	ND		5.7	0.57	ug/Kg	1	04/17/15	JLI	SW8260C	
QA/QC Surrogates										
% 1,2-dichlorobenzene-d4	107				%	1	04/17/15	JLI	70 - 130 %	
% Bromofluorobenzene	86				%	1	04/17/15	JLI	70 - 130 %	
% Dibromofluoromethane	107				%	1	04/17/15	JLI	70 - 130 %	
% Toluene-d8	92				%	1	04/17/15	JLI	70 - 130 %	

1,4-dioxane

1,4-dioxane	ND		100	46	ug/kg	1	04/17/15	JLI	SW8260C
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	109				%	1	04/17/15	JLI	70 - 130 %
% Bromofluorobenzene	81				%	1	04/17/15	JLI	70 - 130 %
% Toluene-d8	92				%	1	04/17/15	JLI	70 - 130 %

Project ID: W 36TH ST MANHATTAN NY
Client ID: B10 6-8 FT

Phoenix I.D.: BJ03612

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Volatiles									
1,1,1,2-Tetrachloroethane	ND		23	1.1	ug/Kg	1	04/17/15	JLI	SW8260C
Acrolein	ND		23	2.9	ug/Kg	1	04/17/15	JLI	SW8260C
Acrylonitrile	ND		23	0.57	ug/Kg	1	04/17/15	JLI	SW8260C
Tert-butyl alcohol	ND		110	23	ug/Kg	1	04/17/15	JLI	SW8260C
Semivolatiles									
Acenaphthene	220	J	260	110	ug/Kg	1	04/17/15	DD	SW8270D
Acenaphthylene	ND		260	110	ug/Kg	1	04/17/15	DD	SW8270D
Anthracene	520		260	120	ug/Kg	1	04/17/15	DD	SW8270D
Benz(a)anthracene	1300		260	130	ug/Kg	1	04/17/15	DD	SW8270D
Benzo(a)pyrene	1000		260	120	ug/Kg	1	04/17/15	DD	SW8270D
Benzo(b)fluoranthene	1400		260	130	ug/Kg	1	04/17/15	DD	SW8270D
Benzo(ghi)perylene	620		260	120	ug/Kg	1	04/17/15	DD	SW8270D
Benzo(k)fluoranthene	570		260	120	ug/Kg	1	04/17/15	DD	SW8270D
Chrysene	1300		260	130	ug/Kg	1	04/17/15	DD	SW8270D
Dibenz(a,h)anthracene	240	J	260	120	ug/Kg	1	04/17/15	DD	SW8270D
Fluoranthene	2100		260	120	ug/Kg	1	04/17/15	DD	SW8270D
Fluorene	290		260	120	ug/Kg	1	04/17/15	DD	SW8270D
Indeno(1,2,3-cd)pyrene	600		260	120	ug/Kg	1	04/17/15	DD	SW8270D
Naphthalene	ND		260	110	ug/Kg	1	04/17/15	DD	SW8270D
Phenanthrene	1900		260	110	ug/Kg	1	04/17/15	DD	SW8270D
Pyrene	1400		260	130	ug/Kg	1	04/17/15	DD	SW8270D
QA/QC Surrogates									
% 2-Fluorobiphenyl	80				%	1	04/17/15	DD	30 - 115 %
% Nitrobenzene-d5	65				%	1	04/17/15	DD	23 - 120 %
% Terphenyl-d14	52				%	1	04/17/15	DD	18 - 137 %

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

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

Comments:

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

This sample was not collected in accordance with EPA method 5035. NELAC requires the laboratory to qualify the volatile soil data as biased low.

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
April 22, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

April 22, 2015

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	GS	04/15/15	8:30
Location Code:	EBC	Received by:	SW	04/16/15	16:33
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBJ03612
Phoenix ID: BJ03613

Project ID: W 36TH ST MANHATTAN NY
Client ID: B9A 6-8 FT

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.42		0.42	0.42	mg/Kg	1	04/18/15	LK	SW6010C
Aluminum	4970		42	8.4	mg/Kg	10	04/17/15	LK	SW6010C
Arsenic	8.5	*	0.8	0.84	mg/Kg	1	04/18/15	LK	SW6010C
Barium	104		0.8	0.42	mg/Kg	1	04/18/15	LK	SW6010C
Beryllium	0.36		0.34	0.17	mg/Kg	1	04/18/15	LK	SW6010C
Calcium	16900	*	42	39	mg/Kg	10	04/17/15	LK	SW6010C
Cadmium	0.67	*	0.42	0.17	mg/Kg	1	04/18/15	LK	SW6010C
Cobalt	5.21		0.42	0.42	mg/Kg	1	04/18/15	LK	SW6010C
Chromium	16.7	*	0.42	0.42	mg/Kg	1	04/18/15	LK	SW6010C
Copper	46.7		0.42	0.42	mg/kg	1	04/18/15	LK	SW6010C
Iron	19400		42	42	mg/Kg	10	04/17/15	LK	SW6010C
Mercury	1.23	N	0.03	0.02	mg/Kg	1	04/20/15	RS	SW7471B
Potassium	1270	N	8	3.3	mg/Kg	1	04/18/15	LK	SW6010C
Magnesium	1890		4.2	4.2	mg/Kg	1	04/18/15	LK	SW6010C
Manganese	237		4.2	4.2	mg/Kg	10	04/17/15	LK	SW6010C
Sodium	377	N	8	3.6	mg/Kg	1	04/18/15	LK	SW6010C
Nickel	18.7		0.42	0.42	mg/Kg	1	04/18/15	LK	SW6010C
Lead	156		0.8	0.42	mg/Kg	1	04/18/15	LK	SW6010C
Antimony	< 2.1	*	2.1	2.1	mg/Kg	1	04/18/15	LK	SW6010C
Selenium	< 1.7		1.7	1.4	mg/Kg	1	04/18/15	LK	SW6010C
Thallium	< 1.7		1.7	1.7	mg/Kg	1	04/18/15	LK	SW6010C
Vanadium	91.2		0.4	0.42	mg/Kg	1	04/18/15	LK	SW6010C
Zinc	102		0.8	0.42	mg/Kg	1	04/18/15	LK	SW6010C
Percent Solid	77				%		04/16/15	I	SW846-%Solid
Soil Extraction for PCB	Completed						04/16/15	BC/H	SW3545A
Soil Extraction SVOA PAH	Completed						04/16/15	BJ/VH	SW3545A
Mercury Digestion	Completed						04/20/15	I/I	SW7471B
Total Metals Digest	Completed						04/16/15	AG	SW3050B

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Polychlorinated Biphenyls										
PCB-1016	ND		43	43	ug/Kg	2	04/20/15	AW	SW8082A	
PCB-1221	ND		43	43	ug/Kg	2	04/20/15	AW	SW8082A	
PCB-1232	ND		43	43	ug/Kg	2	04/20/15	AW	SW8082A	
PCB-1242	ND		43	43	ug/Kg	2	04/20/15	AW	SW8082A	
PCB-1248	ND		43	43	ug/Kg	2	04/20/15	AW	SW8082A	
PCB-1254	ND		43	43	ug/Kg	2	04/20/15	AW	SW8082A	
PCB-1260	ND		43	43	ug/Kg	2	04/20/15	AW	SW8082A	
PCB-1262	ND		43	43	ug/Kg	2	04/20/15	AW	SW8082A	
PCB-1268	ND		43	43	ug/Kg	2	04/20/15	AW	SW8082A	
QA/QC Surrogates										
% DCBP	50				%	2	04/20/15	AW	30 - 150 %	
% TCMX	38				%	2	04/20/15	AW	30 - 150 %	
Volatiles										
1,1,1,2-Tetrachloroethane	ND		6.5	1.3	ug/Kg	1	04/17/15	JLI	SW8260C	
1,1,1-Trichloroethane	ND		6.5	0.65	ug/Kg	1	04/17/15	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND		6.5	1.3	ug/Kg	1	04/17/15	JLI	SW8260C	
1,1,2-Trichloroethane	ND		6.5	1.3	ug/Kg	1	04/17/15	JLI	SW8260C	
1,1-Dichloroethane	ND		6.5	1.3	ug/Kg	1	04/17/15	JLI	SW8260C	
1,1-Dichloroethene	ND		6.5	0.65	ug/Kg	1	04/17/15	JLI	SW8260C	
1,1-Dichloropropene	ND		6.5	0.65	ug/Kg	1	04/17/15	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND		6.5	1.3	ug/Kg	1	04/17/15	JLI	SW8260C	
1,2,3-Trichloropropane	ND		6.5	0.65	ug/Kg	1	04/17/15	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND		6.5	1.3	ug/Kg	1	04/17/15	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND		6.5	0.65	ug/Kg	1	04/17/15	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND		6.5	1.3	ug/Kg	1	04/17/15	JLI	SW8260C	
1,2-Dibromoethane	ND		6.5	0.65	ug/Kg	1	04/17/15	JLI	SW8260C	
1,2-Dichlorobenzene	ND		6.5	0.65	ug/Kg	1	04/17/15	JLI	SW8260C	
1,2-Dichloroethane	ND		6.5	0.65	ug/Kg	1	04/17/15	JLI	SW8260C	
1,2-Dichloropropane	ND		6.5	1.3	ug/Kg	1	04/17/15	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND		6.5	0.65	ug/Kg	1	04/17/15	JLI	SW8260C	
1,3-Dichlorobenzene	ND		6.5	0.65	ug/Kg	1	04/17/15	JLI	SW8260C	
1,3-Dichloropropane	ND		6.5	1.3	ug/Kg	1	04/17/15	JLI	SW8260C	
1,4-Dichlorobenzene	ND		6.5	0.65	ug/Kg	1	04/17/15	JLI	SW8260C	
2,2-Dichloropropane	ND		6.5	0.65	ug/Kg	1	04/17/15	JLI	SW8260C	
2-Chlorotoluene	ND		6.5	1.3	ug/Kg	1	04/17/15	JLI	SW8260C	
2-Hexanone	ND		32	6.5	ug/Kg	1	04/17/15	JLI	SW8260C	
2-Isopropyltoluene	ND		6.5	0.65	ug/Kg	1	04/17/15	JLI	SW8260C	1
4-Chlorotoluene	ND		6.5	0.65	ug/Kg	1	04/17/15	JLI	SW8260C	
4-Methyl-2-pentanone	ND		32	6.5	ug/Kg	1	04/17/15	JLI	SW8260C	
Acetone	75	S	65	6.5	ug/Kg	1	04/17/15	JLI	SW8260C	B
Acrylonitrile	ND		13	0.65	ug/Kg	1	04/17/15	JLI	SW8260C	
Benzene	ND		6.5	0.65	ug/Kg	1	04/17/15	JLI	SW8260C	
Bromobenzene	ND		6.5	0.65	ug/Kg	1	04/17/15	JLI	SW8260C	
Bromochloromethane	ND		6.5	0.65	ug/Kg	1	04/17/15	JLI	SW8260C	
Bromodichloromethane	ND		6.5	1.3	ug/Kg	1	04/17/15	JLI	SW8260C	
Bromoform	ND		6.5	1.3	ug/Kg	1	04/17/15	JLI	SW8260C	
Bromomethane	ND		6.5	2.6	ug/Kg	1	04/17/15	JLI	SW8260C	

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Carbon Disulfide	5.4	J	6.5	1.3	ug/Kg	1	04/17/15	JLI	SW8260C	
Carbon tetrachloride	ND		6.5	1.3	ug/Kg	1	04/17/15	JLI	SW8260C	
Chlorobenzene	ND		6.5	0.65	ug/Kg	1	04/17/15	JLI	SW8260C	
Chloroethane	ND		6.5	0.65	ug/Kg	1	04/17/15	JLI	SW8260C	
Chloroform	ND		6.5	0.65	ug/Kg	1	04/17/15	JLI	SW8260C	
Chloromethane	ND		6.5	1.3	ug/Kg	1	04/17/15	JLI	SW8260C	
cis-1,2-Dichloroethene	ND		6.5	0.65	ug/Kg	1	04/17/15	JLI	SW8260C	
cis-1,3-Dichloropropene	ND		6.5	0.65	ug/Kg	1	04/17/15	JLI	SW8260C	
Dibromochloromethane	ND		6.5	1.3	ug/Kg	1	04/17/15	JLI	SW8260C	
Dibromomethane	ND		6.5	1.3	ug/Kg	1	04/17/15	JLI	SW8260C	
Dichlorodifluoromethane	ND		6.5	0.65	ug/Kg	1	04/17/15	JLI	SW8260C	
Ethylbenzene	ND		6.5	0.65	ug/Kg	1	04/17/15	JLI	SW8260C	
Hexachlorobutadiene	ND		6.5	0.65	ug/Kg	1	04/17/15	JLI	SW8260C	
Isopropylbenzene	ND		6.5	0.65	ug/Kg	1	04/17/15	JLI	SW8260C	
m&p-Xylene	ND		6.5	1.3	ug/Kg	1	04/17/15	JLI	SW8260C	
Methyl Ethyl Ketone	13	J	39	6.5	ug/Kg	1	04/17/15	JLI	SW8260C	
Methyl t-butyl ether (MTBE)	ND		13	1.3	ug/Kg	1	04/17/15	JLI	SW8260C	
Methylene chloride	ND		6.5	6.5	ug/Kg	1	04/17/15	JLI	SW8260C	
Naphthalene	2.4	J	6.5	1.3	ug/Kg	1	04/17/15	JLI	SW8260C	
n-Butylbenzene	ND		6.5	0.65	ug/Kg	1	04/17/15	JLI	SW8260C	
n-Propylbenzene	ND		6.5	1.2	ug/Kg	1	04/17/15	JLI	SW8260C	
o-Xylene	ND		6.5	1.3	ug/Kg	1	04/17/15	JLI	SW8260C	
p-Isopropyltoluene	2.1	J	6.5	0.65	ug/Kg	1	04/17/15	JLI	SW8260C	
sec-Butylbenzene	ND		6.5	0.65	ug/Kg	1	04/17/15	JLI	SW8260C	
Styrene	ND		6.5	0.65	ug/Kg	1	04/17/15	JLI	SW8260C	
tert-Butylbenzene	ND		6.5	0.65	ug/Kg	1	04/17/15	JLI	SW8260C	
Tetrachloroethene	ND		6.5	1.3	ug/Kg	1	04/17/15	JLI	SW8260C	
Tetrahydrofuran (THF)	ND		13	3.2	ug/Kg	1	04/17/15	JLI	SW8260C	1
Toluene	ND		6.5	0.65	ug/Kg	1	04/17/15	JLI	SW8260C	
trans-1,2-Dichloroethene	ND		6.5	0.65	ug/Kg	1	04/17/15	JLI	SW8260C	
trans-1,3-Dichloropropene	ND		6.5	0.65	ug/Kg	1	04/17/15	JLI	SW8260C	
trans-1,4-dichloro-2-butene	ND		13	3.2	ug/Kg	1	04/17/15	JLI	SW8260C	
Trichloroethene	ND		6.5	0.65	ug/Kg	1	04/17/15	JLI	SW8260C	
Trichlorofluoromethane	ND		6.5	1.3	ug/Kg	1	04/17/15	JLI	SW8260C	
Trichlorotrifluoroethane	ND		6.5	0.65	ug/Kg	1	04/17/15	JLI	SW8260C	
Vinyl chloride	ND		6.5	0.65	ug/Kg	1	04/17/15	JLI	SW8260C	
QA/QC Surrogates										
% 1,2-dichlorobenzene-d4	103				%	1	04/17/15	JLI	70 - 130 %	
% Bromofluorobenzene	87				%	1	04/17/15	JLI	70 - 130 %	
% Dibromofluoromethane	105				%	1	04/17/15	JLI	70 - 130 %	
% Toluene-d8	92				%	1	04/17/15	JLI	70 - 130 %	

1,4-dioxane

1,4-dioxane	ND		100	52	ug/kg	1	04/17/15	JLI	SW8260C
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	105				%	1	04/17/15	JLI	70 - 130 %
% Bromofluorobenzene	83				%	1	04/17/15	JLI	70 - 130 %
% Toluene-d8	92				%	1	04/17/15	JLI	70 - 130 %

Project ID: W 36TH ST MANHATTAN NY
Client ID: B9A 6-8 FT

Phoenix I.D.: BJ03613

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Volatiles									
1,1,1,2-Tetrachloroethane	ND		26	1.3	ug/Kg	1	04/17/15	JLI	SW8260C
Acrolein	ND		26	3.2	ug/Kg	1	04/17/15	JLI	SW8260C
Acrylonitrile	ND		26	0.65	ug/Kg	1	04/17/15	JLI	SW8260C
Tert-butyl alcohol	ND		130	26	ug/Kg	1	04/17/15	JLI	SW8260C
Semivolatiles									
Acenaphthene	ND		300	130	ug/Kg	1	04/17/15	DD	SW8270D
Acenaphthylene	ND		300	120	ug/Kg	1	04/17/15	DD	SW8270D
Anthracene	150	J	300	140	ug/Kg	1	04/17/15	DD	SW8270D
Benz(a)anthracene	480		300	140	ug/Kg	1	04/17/15	DD	SW8270D
Benzo(a)pyrene	410		300	140	ug/Kg	1	04/17/15	DD	SW8270D
Benzo(b)fluoranthene	560		300	140	ug/Kg	1	04/17/15	DD	SW8270D
Benzo(ghi)perylene	290	J	300	140	ug/Kg	1	04/17/15	DD	SW8270D
Benzo(k)fluoranthene	210	J	300	140	ug/Kg	1	04/17/15	DD	SW8270D
Chrysene	520		300	140	ug/Kg	1	04/17/15	DD	SW8270D
Dibenz(a,h)anthracene	ND		300	140	ug/Kg	1	04/17/15	DD	SW8270D
Fluoranthene	690		300	140	ug/Kg	1	04/17/15	DD	SW8270D
Fluorene	ND		300	140	ug/Kg	1	04/17/15	DD	SW8270D
Indeno(1,2,3-cd)pyrene	270	J	300	140	ug/Kg	1	04/17/15	DD	SW8270D
Naphthalene	ND		300	120	ug/Kg	1	04/17/15	DD	SW8270D
Phenanthrene	680		300	120	ug/Kg	1	04/17/15	DD	SW8270D
Pyrene	560		300	150	ug/Kg	1	04/17/15	DD	SW8270D
QA/QC Surrogates									
% 2-Fluorobiphenyl	60				%	1	04/17/15	DD	30 - 115 %
% Nitrobenzene-d5	59				%	1	04/17/15	DD	23 - 120 %
% Terphenyl-d14	49				%	1	04/17/15	DD	18 - 137 %

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

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

Comments:

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

This sample was not collected in accordance with EPA method 5035. NELAC requires the laboratory to qualify the volatile soil data as biased low.

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
April 22, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

April 22, 2015

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:	GS	04/15/15	8:35
Location Code:	EBC	Received by:	SW	04/16/15	16:33
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBJ03612
Phoenix ID: BJ03614

Project ID: W 36TH ST MANHATTAN NY
Client ID: GW 9A

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
PCB Extraction (2 Liter)	Completed					04/16/15	L	SW3510C
Polychlorinated Biphenyls								
PCB-1016	ND	0.11	0.11	ug/L	1	04/18/15	AW	E608/SW8082A
PCB-1221	ND	0.11	0.11	ug/L	1	04/18/15	AW	E608/SW8082A
PCB-1232	ND	0.11	0.11	ug/L	1	04/18/15	AW	E608/SW8082A
PCB-1242	ND	0.11	0.11	ug/L	1	04/18/15	AW	E608/SW8082A
PCB-1248	ND	0.11	0.11	ug/L	1	04/18/15	AW	E608/SW8082A
PCB-1254	ND	0.11	0.11	ug/L	1	04/18/15	AW	E608/SW8082A
PCB-1260	0.16	0.11	0.11	ug/L	1	04/18/15	AW	E608/SW8082A
PCB-1262	ND	0.11	0.11	ug/L	1	04/18/15	AW	E608/SW8082A
PCB-1268	ND	0.11	0.11	ug/L	1	04/18/15	AW	E608/SW8082A
QA/QC Surrogates								
% DCBP	41			%	1	04/18/15	AW	30 - 150 %
% TCMX	67			%	1	04/18/15	AW	30 - 150 %
Volatiles								
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	04/17/15	MH	SW8260C
1,1,1-Trichloroethane	ND	5.0	0.25	ug/L	1	04/17/15	MH	SW8260C
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	04/17/15	MH	SW8260C
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	04/17/15	MH	SW8260C
1,1-Dichloroethane	ND	5.0	0.25	ug/L	1	04/17/15	MH	SW8260C
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	04/17/15	MH	SW8260C
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	04/17/15	MH	SW8260C
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	04/17/15	MH	SW8260C
1,2,3-Trichloropropane	ND	1.0	0.25	ug/L	1	04/17/15	MH	SW8260C
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	04/17/15	MH	SW8260C
1,2,4-Trimethylbenzene	ND	1.0	0.25	ug/L	1	04/17/15	MH	SW8260C

Project ID: W 36TH ST MANHATTAN NY
Client ID: GW 9A

Phoenix I.D.: BJ03614

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
1,2-Dibromo-3-chloropropane	ND		1.0	0.50	ug/L	1	04/17/15	MH	SW8260C	
1,2-Dibromoethane	ND		1.0	0.25	ug/L	1	04/17/15	MH	SW8260C	
1,2-Dichlorobenzene	ND		1.0	0.25	ug/L	1	04/17/15	MH	SW8260C	
1,2-Dichloroethane	ND		0.60	0.25	ug/L	1	04/17/15	MH	SW8260C	
1,2-Dichloropropane	ND		1.0	0.25	ug/L	1	04/17/15	MH	SW8260C	
1,3,5-Trimethylbenzene	ND		1.0	0.25	ug/L	1	04/17/15	MH	SW8260C	
1,3-Dichlorobenzene	ND		1.0	0.25	ug/L	1	04/17/15	MH	SW8260C	
1,3-Dichloropropane	ND		1.0	0.25	ug/L	1	04/17/15	MH	SW8260C	
1,4-Dichlorobenzene	ND		1.0	0.25	ug/L	1	04/17/15	MH	SW8260C	
2,2-Dichloropropane	ND		1.0	0.25	ug/L	1	04/17/15	MH	SW8260C	
2-Chlorotoluene	ND		1.0	0.25	ug/L	1	04/17/15	MH	SW8260C	
2-Hexanone	ND		2.5	2.5	ug/L	1	04/17/15	MH	SW8260C	
2-Isopropyltoluene	ND		1.0	0.25	ug/L	1	04/17/15	MH	SW8260C	1
4-Chlorotoluene	ND		1.0	0.25	ug/L	1	04/17/15	MH	SW8260C	
4-Methyl-2-pentanone	ND		2.5	2.5	ug/L	1	04/17/15	MH	SW8260C	
Acetone	6.8	S	5.0	2.5	ug/L	1	04/17/15	MH	SW8260C	
Acrolein	ND		5.0	2.5	ug/L	1	04/17/15	MH	SW8260C	
Acrylonitrile	ND		5.0	2.5	ug/L	1	04/17/15	MH	SW8260C	
Benzene	ND		0.70	0.25	ug/L	1	04/17/15	MH	SW8260C	
Bromobenzene	ND		1.0	0.25	ug/L	1	04/17/15	MH	SW8260C	
Bromochloromethane	ND		1.0	0.25	ug/L	1	04/17/15	MH	SW8260C	
Bromodichloromethane	ND		1.0	0.25	ug/L	1	04/17/15	MH	SW8260C	
Bromoform	ND		5.0	0.25	ug/L	1	04/17/15	MH	SW8260C	
Bromomethane	ND		5.0	0.25	ug/L	1	04/17/15	MH	SW8260C	
Carbon Disulfide	1.3		1.0	0.25	ug/L	1	04/17/15	MH	SW8260C	
Carbon tetrachloride	ND		1.0	0.25	ug/L	1	04/17/15	MH	SW8260C	
Chlorobenzene	ND		5.0	0.25	ug/L	1	04/17/15	MH	SW8260C	
Chloroethane	ND		5.0	0.25	ug/L	1	04/17/15	MH	SW8260C	
Chloroform	ND		5.0	0.25	ug/L	1	04/17/15	MH	SW8260C	
Chloromethane	ND		5.0	0.25	ug/L	1	04/17/15	MH	SW8260C	
cis-1,2-Dichloroethene	ND		1.0	0.25	ug/L	1	04/17/15	MH	SW8260C	
cis-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	04/17/15	MH	SW8260C	
Dibromochloromethane	ND		1.0	0.25	ug/L	1	04/17/15	MH	SW8260C	
Dibromomethane	ND		1.0	0.25	ug/L	1	04/17/15	MH	SW8260C	
Dichlorodifluoromethane	ND		1.0	0.25	ug/L	1	04/17/15	MH	SW8260C	
Ethylbenzene	ND		1.0	0.25	ug/L	1	04/17/15	MH	SW8260C	
Hexachlorobutadiene	ND		0.5	0.10	ug/L	1	04/17/15	MH	SW8260C	
Isopropylbenzene	ND		1.0	0.25	ug/L	1	04/17/15	MH	SW8260C	
m&p-Xylene	ND		1.0	0.25	ug/L	1	04/17/15	MH	SW8260C	
Methyl ethyl ketone	ND		2.5	2.5	ug/L	1	04/17/15	MH	SW8260C	
Methyl t-butyl ether (MTBE)	0.32	J	1.0	0.25	ug/L	1	04/17/15	MH	SW8260C	
Methylene chloride	ND		3.0	1.0	ug/L	1	04/17/15	MH	SW8260C	
Naphthalene	ND		1.0	1.0	ug/L	1	04/17/15	MH	SW8260C	
n-Butylbenzene	ND		1.0	0.25	ug/L	1	04/17/15	MH	SW8260C	
n-Propylbenzene	ND		1.0	0.25	ug/L	1	04/17/15	MH	SW8260C	
o-Xylene	ND		1.0	0.25	ug/L	1	04/17/15	MH	SW8260C	
p-Isopropyltoluene	ND		1.0	0.25	ug/L	1	04/17/15	MH	SW8260C	
sec-Butylbenzene	ND		1.0	0.25	ug/L	1	04/17/15	MH	SW8260C	
Styrene	ND		1.0	0.25	ug/L	1	04/17/15	MH	SW8260C	

Project ID: W 36TH ST MANHATTAN NY
Client ID: GW 9A

Phoenix I.D.: BJ03614

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
tert-Butylbenzene	ND		1.0	0.25	ug/L	1	04/17/15	MH	SW8260C	
Tetrachloroethene	ND		1.0	0.25	ug/L	1	04/17/15	MH	SW8260C	
Tetrahydrofuran (THF)	ND		5.0	2.5	ug/L	1	04/17/15	MH	SW8260C	1
Toluene	0.26	J	1.0	0.25	ug/L	1	04/17/15	MH	SW8260C	
trans-1,2-Dichloroethene	ND		5.0	0.25	ug/L	1	04/17/15	MH	SW8260C	
trans-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	04/17/15	MH	SW8260C	
trans-1,4-dichloro-2-butene	ND		2.5	2.5	ug/L	1	04/17/15	MH	SW8260C	
Trichloroethene	ND		1.0	0.25	ug/L	1	04/17/15	MH	SW8260C	
Trichlorofluoromethane	ND		1.0	0.25	ug/L	1	04/17/15	MH	SW8260C	
Trichlorotrifluoroethane	ND		1.0	0.25	ug/L	1	04/17/15	MH	SW8260C	
Vinyl chloride	ND		1.0	0.25	ug/L	1	04/17/15	MH	SW8260C	
QA/QC Surrogates										
% 1,2-dichlorobenzene-d4	100				%	1	04/17/15	MH	70 - 130 %	
% Bromofluorobenzene	96				%	1	04/17/15	MH	70 - 130 %	
% Dibromofluoromethane	97				%	1	04/17/15	MH	70 - 130 %	
% Toluene-d8	100				%	1	04/17/15	MH	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 Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

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
April 22, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

Environmental Laboratories, Inc.
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Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

April 22, 2015

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	GS	04/15/15	8:50
Location Code:	EBC	Received by:	SW	04/16/15	16:33
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBJ03612
Phoenix ID: BJ03615

Project ID: W 36TH ST MANHATTAN NY
Client ID: B6 6-8 FT

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.41		0.41	0.41	mg/Kg	1	04/18/15	LK	SW6010C
Aluminum	9210		41	8.2	mg/Kg	10	04/17/15	LK	SW6010C
Arsenic	3.8	*	0.8	0.82	mg/Kg	1	04/18/15	LK	SW6010C
Barium	126		0.8	0.41	mg/Kg	1	04/18/15	LK	SW6010C
Beryllium	0.42		0.33	0.16	mg/Kg	1	04/18/15	LK	SW6010C
Calcium	5610	*	4.1	3.8	mg/Kg	1	04/18/15	LK	SW6010C
Cadmium	< 0.41	*	0.41	0.16	mg/Kg	1	04/18/15	LK	SW6010C
Cobalt	9.52		0.41	0.41	mg/Kg	1	04/18/15	LK	SW6010C
Chromium	23.4	*	0.41	0.41	mg/Kg	1	04/18/15	LK	SW6010C
Copper	43.9		0.41	0.41	mg/kg	1	04/18/15	LK	SW6010C
Iron	18400		41	41	mg/Kg	10	04/17/15	LK	SW6010C
Mercury	0.63	N	0.03	0.02	mg/Kg	1	04/20/15	RS	SW7471B
Potassium	3670	N	82	32	mg/Kg	10	04/17/15	LK	SW6010C
Magnesium	4000		4.1	4.1	mg/Kg	1	04/18/15	LK	SW6010C
Manganese	270		4.1	4.1	mg/Kg	10	04/17/15	LK	SW6010C
Sodium	305	N	8	3.5	mg/Kg	1	04/18/15	LK	SW6010C
Nickel	19.2		0.41	0.41	mg/Kg	1	04/18/15	LK	SW6010C
Lead	106		0.8	0.41	mg/Kg	1	04/18/15	LK	SW6010C
Antimony	< 2.0	*	2.0	2.0	mg/Kg	1	04/18/15	LK	SW6010C
Selenium	< 1.6		1.6	1.4	mg/Kg	1	04/18/15	LK	SW6010C
Thallium	< 1.6		1.6	1.6	mg/Kg	1	04/18/15	LK	SW6010C
Vanadium	34.1		0.4	0.41	mg/Kg	1	04/18/15	LK	SW6010C
Zinc	94.7		0.8	0.41	mg/Kg	1	04/18/15	LK	SW6010C
Percent Solid	86				%		04/16/15	I	SW846-%Solid
Soil Extraction for PCB	Completed						04/16/15	BC/H	SW3545A
Soil Extraction SVOA PAH	Completed						04/16/15	BJ/VH	SW3545A
Mercury Digestion	Completed						04/20/15	I/I	SW7471B
Total Metals Digest	Completed						04/16/15	AG	SW3050B

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Polychlorinated Biphenyls										
PCB-1016	ND		96	96	ug/Kg	5	04/17/15	AW	SW8082A	
PCB-1221	ND		96	96	ug/Kg	5	04/17/15	AW	SW8082A	
PCB-1232	ND		96	96	ug/Kg	5	04/17/15	AW	SW8082A	
PCB-1242	ND		96	96	ug/Kg	5	04/17/15	AW	SW8082A	
PCB-1248	ND		96	96	ug/Kg	5	04/17/15	AW	SW8082A	
PCB-1254	ND		96	96	ug/Kg	5	04/17/15	AW	SW8082A	
PCB-1260	ND		96	96	ug/Kg	5	04/17/15	AW	SW8082A	
PCB-1262	ND		96	96	ug/Kg	5	04/17/15	AW	SW8082A	
PCB-1268	ND		96	96	ug/Kg	5	04/17/15	AW	SW8082A	
QA/QC Surrogates										
% DCBP	57				%	5	04/17/15	AW	30 - 150 %	
% TCMX	44				%	5	04/17/15	AW	30 - 150 %	
Volatiles										
1,1,1,2-Tetrachloroethane	ND		5.8	1.2	ug/Kg	1	04/17/15	JLI	SW8260C	
1,1,1-Trichloroethane	ND		5.8	0.58	ug/Kg	1	04/17/15	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND		5.8	1.2	ug/Kg	1	04/17/15	JLI	SW8260C	
1,1,2-Trichloroethane	ND		5.8	1.2	ug/Kg	1	04/17/15	JLI	SW8260C	
1,1-Dichloroethane	ND		5.8	1.2	ug/Kg	1	04/17/15	JLI	SW8260C	
1,1-Dichloroethene	ND		5.8	0.58	ug/Kg	1	04/17/15	JLI	SW8260C	
1,1-Dichloropropene	ND		5.8	0.58	ug/Kg	1	04/17/15	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND		5.8	1.2	ug/Kg	1	04/17/15	JLI	SW8260C	
1,2,3-Trichloropropane	ND		5.8	0.58	ug/Kg	1	04/17/15	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND		5.8	1.2	ug/Kg	1	04/17/15	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND		5.8	0.58	ug/Kg	1	04/17/15	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND		5.8	1.2	ug/Kg	1	04/17/15	JLI	SW8260C	
1,2-Dibromoethane	ND		5.8	0.58	ug/Kg	1	04/17/15	JLI	SW8260C	
1,2-Dichlorobenzene	ND		5.8	0.58	ug/Kg	1	04/17/15	JLI	SW8260C	
1,2-Dichloroethane	ND		5.8	0.58	ug/Kg	1	04/17/15	JLI	SW8260C	
1,2-Dichloropropane	ND		5.8	1.2	ug/Kg	1	04/17/15	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND		5.8	0.58	ug/Kg	1	04/17/15	JLI	SW8260C	
1,3-Dichlorobenzene	ND		5.8	0.58	ug/Kg	1	04/17/15	JLI	SW8260C	
1,3-Dichloropropane	ND		5.8	1.2	ug/Kg	1	04/17/15	JLI	SW8260C	
1,4-Dichlorobenzene	ND		5.8	0.58	ug/Kg	1	04/17/15	JLI	SW8260C	
2,2-Dichloropropane	ND		5.8	0.58	ug/Kg	1	04/17/15	JLI	SW8260C	
2-Chlorotoluene	ND		5.8	1.2	ug/Kg	1	04/17/15	JLI	SW8260C	
2-Hexanone	ND		29	5.8	ug/Kg	1	04/17/15	JLI	SW8260C	
2-Isopropyltoluene	ND		5.8	0.58	ug/Kg	1	04/17/15	JLI	SW8260C	1
4-Chlorotoluene	ND		5.8	0.58	ug/Kg	1	04/17/15	JLI	SW8260C	
4-Methyl-2-pentanone	ND		29	5.8	ug/Kg	1	04/17/15	JLI	SW8260C	
Acetone	43	JS	50	5.8	ug/Kg	1	04/17/15	JLI	SW8260C	B*
Acrylonitrile	ND		12	0.58	ug/Kg	1	04/17/15	JLI	SW8260C	
Benzene	ND		5.8	0.58	ug/Kg	1	04/17/15	JLI	SW8260C	
Bromobenzene	ND		5.8	0.58	ug/Kg	1	04/17/15	JLI	SW8260C	
Bromochloromethane	ND		5.8	0.58	ug/Kg	1	04/17/15	JLI	SW8260C	
Bromodichloromethane	ND		5.8	1.2	ug/Kg	1	04/17/15	JLI	SW8260C	
Bromoform	ND		5.8	1.2	ug/Kg	1	04/17/15	JLI	SW8260C	
Bromomethane	ND		5.8	2.3	ug/Kg	1	04/17/15	JLI	SW8260C	

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Carbon Disulfide	1.8	J	5.8	1.2	ug/Kg	1	04/17/15	JLI	SW8260C	
Carbon tetrachloride	ND		5.8	1.2	ug/Kg	1	04/17/15	JLI	SW8260C	
Chlorobenzene	ND		5.8	0.58	ug/Kg	1	04/17/15	JLI	SW8260C	
Chloroethane	ND		5.8	0.58	ug/Kg	1	04/17/15	JLI	SW8260C	
Chloroform	ND		5.8	0.58	ug/Kg	1	04/17/15	JLI	SW8260C	
Chloromethane	ND		5.8	1.2	ug/Kg	1	04/17/15	JLI	SW8260C	
cis-1,2-Dichloroethene	ND		5.8	0.58	ug/Kg	1	04/17/15	JLI	SW8260C	
cis-1,3-Dichloropropene	ND		5.8	0.58	ug/Kg	1	04/17/15	JLI	SW8260C	
Dibromochloromethane	ND		5.8	1.2	ug/Kg	1	04/17/15	JLI	SW8260C	
Dibromomethane	ND		5.8	1.2	ug/Kg	1	04/17/15	JLI	SW8260C	
Dichlorodifluoromethane	ND		5.8	0.58	ug/Kg	1	04/17/15	JLI	SW8260C	
Ethylbenzene	ND		5.8	0.58	ug/Kg	1	04/17/15	JLI	SW8260C	
Hexachlorobutadiene	ND		5.8	0.58	ug/Kg	1	04/17/15	JLI	SW8260C	
Isopropylbenzene	ND		5.8	0.58	ug/Kg	1	04/17/15	JLI	SW8260C	
m&p-Xylene	ND		5.8	1.2	ug/Kg	1	04/17/15	JLI	SW8260C	
Methyl Ethyl Ketone	6.3	J	35	5.8	ug/Kg	1	04/17/15	JLI	SW8260C	
Methyl t-butyl ether (MTBE)	ND		12	1.2	ug/Kg	1	04/17/15	JLI	SW8260C	
Methylene chloride	ND		5.8	5.8	ug/Kg	1	04/17/15	JLI	SW8260C	
Naphthalene	1.8	J	5.8	1.2	ug/Kg	1	04/17/15	JLI	SW8260C	
n-Butylbenzene	ND		5.8	0.58	ug/Kg	1	04/17/15	JLI	SW8260C	
n-Propylbenzene	ND		5.8	1.0	ug/Kg	1	04/17/15	JLI	SW8260C	
o-Xylene	ND		5.8	1.2	ug/Kg	1	04/17/15	JLI	SW8260C	
p-Isopropyltoluene	ND		5.8	0.58	ug/Kg	1	04/17/15	JLI	SW8260C	
sec-Butylbenzene	ND		5.8	0.58	ug/Kg	1	04/17/15	JLI	SW8260C	
Styrene	ND		5.8	0.58	ug/Kg	1	04/17/15	JLI	SW8260C	
tert-Butylbenzene	ND		5.8	0.58	ug/Kg	1	04/17/15	JLI	SW8260C	
Tetrachloroethene	ND		5.8	1.2	ug/Kg	1	04/17/15	JLI	SW8260C	
Tetrahydrofuran (THF)	ND		12	2.9	ug/Kg	1	04/17/15	JLI	SW8260C	1
Toluene	ND		5.8	0.58	ug/Kg	1	04/17/15	JLI	SW8260C	
trans-1,2-Dichloroethene	ND		5.8	0.58	ug/Kg	1	04/17/15	JLI	SW8260C	
trans-1,3-Dichloropropene	ND		5.8	0.58	ug/Kg	1	04/17/15	JLI	SW8260C	
trans-1,4-dichloro-2-butene	ND		12	2.9	ug/Kg	1	04/17/15	JLI	SW8260C	
Trichloroethene	ND		5.8	0.58	ug/Kg	1	04/17/15	JLI	SW8260C	
Trichlorofluoromethane	ND		5.8	1.2	ug/Kg	1	04/17/15	JLI	SW8260C	
Trichlorotrifluoroethane	ND		5.8	0.58	ug/Kg	1	04/17/15	JLI	SW8260C	
Vinyl chloride	ND		5.8	0.58	ug/Kg	1	04/17/15	JLI	SW8260C	
QA/QC Surrogates										
% 1,2-dichlorobenzene-d4	107				%	1	04/17/15	JLI	70 - 130 %	
% Bromofluorobenzene	90				%	1	04/17/15	JLI	70 - 130 %	
% Dibromofluoromethane	104				%	1	04/17/15	JLI	70 - 130 %	
% Toluene-d8	92				%	1	04/17/15	JLI	70 - 130 %	

1,4-dioxane

1,4-dioxane	ND		100	47	ug/kg	1	04/17/15	JLI	SW8260C
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	108				%	1	04/17/15	JLI	70 - 130 %
% Bromofluorobenzene	87				%	1	04/17/15	JLI	70 - 130 %
% Toluene-d8	91				%	1	04/17/15	JLI	70 - 130 %

Project ID: W 36TH ST MANHATTAN NY
Client ID: B6 6-8 FT

Phoenix I.D.: BJ03615

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Volatiles									
1,1,1,2-Tetrachloroethane	ND		23	1.2	ug/Kg	1	04/17/15	JLI	SW8260C
Acrolein	ND		23	2.9	ug/Kg	1	04/17/15	JLI	SW8260C
Acrylonitrile	ND		23	0.58	ug/Kg	1	04/17/15	JLI	SW8260C
Tert-butyl alcohol	ND		120	23	ug/Kg	1	04/17/15	JLI	SW8260C
Semivolatiles									
Acenaphthene	ND		260	110	ug/Kg	1	04/17/15	DD	SW8270D
Acenaphthylene	ND		260	110	ug/Kg	1	04/17/15	DD	SW8270D
Anthracene	140	J	260	120	ug/Kg	1	04/17/15	DD	SW8270D
Benz(a)anthracene	490		260	130	ug/Kg	1	04/17/15	DD	SW8270D
Benzo(a)pyrene	390		260	120	ug/Kg	1	04/17/15	DD	SW8270D
Benzo(b)fluoranthene	520		260	130	ug/Kg	1	04/17/15	DD	SW8270D
Benzo(ghi)perylene	290		260	120	ug/Kg	1	04/17/15	DD	SW8270D
Benzo(k)fluoranthene	190	J	260	130	ug/Kg	1	04/17/15	DD	SW8270D
Chrysene	460		260	130	ug/Kg	1	04/17/15	DD	SW8270D
Dibenz(a,h)anthracene	130	J	260	120	ug/Kg	1	04/17/15	DD	SW8270D
Fluoranthene	580		260	120	ug/Kg	1	04/17/15	DD	SW8270D
Fluorene	ND		260	120	ug/Kg	1	04/17/15	DD	SW8270D
Indeno(1,2,3-cd)pyrene	270		260	130	ug/Kg	1	04/17/15	DD	SW8270D
Naphthalene	ND		260	110	ug/Kg	1	04/17/15	DD	SW8270D
Phenanthrene	470		260	110	ug/Kg	1	04/17/15	DD	SW8270D
Pyrene	410		260	130	ug/Kg	1	04/17/15	DD	SW8270D
QA/QC Surrogates									
% 2-Fluorobiphenyl	59				%	1	04/17/15	DD	30 - 115 %
% Nitrobenzene-d5	59				%	1	04/17/15	DD	23 - 120 %
% Terphenyl-d14	50				%	1	04/17/15	DD	18 - 137 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B* = Present in blank, a bias is possible.

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

Comments:

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

This sample was not collected in accordance with EPA method 5035. NELAC requires the laboratory to qualify the volatile soil data as biased low.

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
April 22, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

Environmental Laboratories, Inc.
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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

April 22, 2015

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:	GS	04/15/15	9:00
Location Code:	EBC	Received by:	SW	04/16/15	16:33
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBJ03612
Phoenix ID: BJ03616

Project ID: W 36TH ST MANHATTAN NY
Client ID: GW 6

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
PCB Extraction (2 Liter)	Completed					04/16/15	L	SW3510C
Polychlorinated Biphenyls								
PCB-1016	ND	0.081	0.081	ug/L	1	04/18/15	AW	E608/SW8082A
PCB-1221	ND	0.081	0.081	ug/L	1	04/18/15	AW	E608/SW8082A
PCB-1232	ND	0.081	0.081	ug/L	1	04/18/15	AW	E608/SW8082A
PCB-1242	ND	0.081	0.081	ug/L	1	04/18/15	AW	E608/SW8082A
PCB-1248	ND	0.081	0.081	ug/L	1	04/18/15	AW	E608/SW8082A
PCB-1254	ND	0.081	0.081	ug/L	1	04/18/15	AW	E608/SW8082A
PCB-1260	ND	0.081	0.081	ug/L	1	04/18/15	AW	E608/SW8082A
PCB-1262	ND	0.081	0.081	ug/L	1	04/18/15	AW	E608/SW8082A
PCB-1268	ND	0.081	0.081	ug/L	1	04/18/15	AW	E608/SW8082A
QA/QC Surrogates								
% DCBP	44			%	1	04/18/15	AW	30 - 150 %
% TCMX	68			%	1	04/18/15	AW	30 - 150 %
Volatiles								
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	04/17/15	MH	SW8260C
1,1,1-Trichloroethane	ND	5.0	0.25	ug/L	1	04/17/15	MH	SW8260C
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	04/17/15	MH	SW8260C
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	04/17/15	MH	SW8260C
1,1-Dichloroethane	ND	5.0	0.25	ug/L	1	04/17/15	MH	SW8260C
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	04/17/15	MH	SW8260C
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	04/17/15	MH	SW8260C
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	04/17/15	MH	SW8260C
1,2,3-Trichloropropane	ND	1.0	0.25	ug/L	1	04/17/15	MH	SW8260C
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	04/17/15	MH	SW8260C
1,2,4-Trimethylbenzene	ND	1.0	0.25	ug/L	1	04/17/15	MH	SW8260C

Project ID: W 36TH ST MANHATTAN NY
Client ID: GW 6

Phoenix I.D.: BJ03616

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
1,2-Dibromo-3-chloropropane	ND		1.0	0.50	ug/L	1	04/17/15	MH	SW8260C	
1,2-Dibromoethane	ND		1.0	0.25	ug/L	1	04/17/15	MH	SW8260C	
1,2-Dichlorobenzene	ND		1.0	0.25	ug/L	1	04/17/15	MH	SW8260C	
1,2-Dichloroethane	ND		0.60	0.25	ug/L	1	04/17/15	MH	SW8260C	
1,2-Dichloropropane	ND		1.0	0.25	ug/L	1	04/17/15	MH	SW8260C	
1,3,5-Trimethylbenzene	ND		1.0	0.25	ug/L	1	04/17/15	MH	SW8260C	
1,3-Dichlorobenzene	ND		1.0	0.25	ug/L	1	04/17/15	MH	SW8260C	
1,3-Dichloropropane	ND		1.0	0.25	ug/L	1	04/17/15	MH	SW8260C	
1,4-Dichlorobenzene	ND		1.0	0.25	ug/L	1	04/17/15	MH	SW8260C	
2,2-Dichloropropane	ND		1.0	0.25	ug/L	1	04/17/15	MH	SW8260C	
2-Chlorotoluene	ND		1.0	0.25	ug/L	1	04/17/15	MH	SW8260C	
2-Hexanone	ND		2.5	2.5	ug/L	1	04/17/15	MH	SW8260C	
2-Isopropyltoluene	ND		1.0	0.25	ug/L	1	04/17/15	MH	SW8260C	1
4-Chlorotoluene	ND		1.0	0.25	ug/L	1	04/17/15	MH	SW8260C	
4-Methyl-2-pentanone	ND		2.5	2.5	ug/L	1	04/17/15	MH	SW8260C	
Acetone	4.8	JS	5.0	2.5	ug/L	1	04/17/15	MH	SW8260C	
Acrolein	ND		5.0	2.5	ug/L	1	04/17/15	MH	SW8260C	
Acrylonitrile	ND		5.0	2.5	ug/L	1	04/17/15	MH	SW8260C	
Benzene	ND		0.70	0.25	ug/L	1	04/17/15	MH	SW8260C	
Bromobenzene	ND		1.0	0.25	ug/L	1	04/17/15	MH	SW8260C	
Bromochloromethane	ND		1.0	0.25	ug/L	1	04/17/15	MH	SW8260C	
Bromodichloromethane	ND		1.0	0.25	ug/L	1	04/17/15	MH	SW8260C	
Bromoform	ND		5.0	0.25	ug/L	1	04/17/15	MH	SW8260C	
Bromomethane	ND		5.0	0.25	ug/L	1	04/17/15	MH	SW8260C	
Carbon Disulfide	ND		1.0	0.25	ug/L	1	04/17/15	MH	SW8260C	
Carbon tetrachloride	ND		1.0	0.25	ug/L	1	04/17/15	MH	SW8260C	
Chlorobenzene	ND		5.0	0.25	ug/L	1	04/17/15	MH	SW8260C	
Chloroethane	ND		5.0	0.25	ug/L	1	04/17/15	MH	SW8260C	
Chloroform	ND		5.0	0.25	ug/L	1	04/17/15	MH	SW8260C	
Chloromethane	ND		5.0	0.25	ug/L	1	04/17/15	MH	SW8260C	
cis-1,2-Dichloroethene	ND		1.0	0.25	ug/L	1	04/17/15	MH	SW8260C	
cis-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	04/17/15	MH	SW8260C	
Dibromochloromethane	ND		1.0	0.25	ug/L	1	04/17/15	MH	SW8260C	
Dibromomethane	ND		1.0	0.25	ug/L	1	04/17/15	MH	SW8260C	
Dichlorodifluoromethane	ND		1.0	0.25	ug/L	1	04/17/15	MH	SW8260C	
Ethylbenzene	ND		1.0	0.25	ug/L	1	04/17/15	MH	SW8260C	
Hexachlorobutadiene	ND		0.5	0.10	ug/L	1	04/17/15	MH	SW8260C	
Isopropylbenzene	ND		1.0	0.25	ug/L	1	04/17/15	MH	SW8260C	
m&p-Xylene	ND		1.0	0.25	ug/L	1	04/17/15	MH	SW8260C	
Methyl ethyl ketone	ND		2.5	2.5	ug/L	1	04/17/15	MH	SW8260C	
Methyl t-butyl ether (MTBE)	1.9		1.0	0.25	ug/L	1	04/17/15	MH	SW8260C	
Methylene chloride	ND		3.0	1.0	ug/L	1	04/17/15	MH	SW8260C	
Naphthalene	1.5		1.0	1.0	ug/L	1	04/17/15	MH	SW8260C	
n-Butylbenzene	ND		1.0	0.25	ug/L	1	04/17/15	MH	SW8260C	
n-Propylbenzene	ND		1.0	0.25	ug/L	1	04/17/15	MH	SW8260C	
o-Xylene	ND		1.0	0.25	ug/L	1	04/17/15	MH	SW8260C	
p-Isopropyltoluene	ND		1.0	0.25	ug/L	1	04/17/15	MH	SW8260C	
sec-Butylbenzene	ND		1.0	0.25	ug/L	1	04/17/15	MH	SW8260C	
Styrene	ND		1.0	0.25	ug/L	1	04/17/15	MH	SW8260C	

Project ID: W 36TH ST MANHATTAN NY
Client ID: GW 6

Phoenix I.D.: BJ03616

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
tert-Butylbenzene	ND	1.0	0.25	ug/L	1	04/17/15	MH	SW8260C	
Tetrachloroethene	ND	1.0	0.25	ug/L	1	04/17/15	MH	SW8260C	
Tetrahydrofuran (THF)	ND	5.0	2.5	ug/L	1	04/17/15	MH	SW8260C	1
Toluene	ND	1.0	0.25	ug/L	1	04/17/15	MH	SW8260C	
trans-1,2-Dichloroethene	ND	5.0	0.25	ug/L	1	04/17/15	MH	SW8260C	
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	04/17/15	MH	SW8260C	
trans-1,4-dichloro-2-butene	ND	2.5	2.5	ug/L	1	04/17/15	MH	SW8260C	
Trichloroethene	ND	1.0	0.25	ug/L	1	04/17/15	MH	SW8260C	
Trichlorofluoromethane	ND	1.0	0.25	ug/L	1	04/17/15	MH	SW8260C	
Trichlorotrifluoroethane	ND	1.0	0.25	ug/L	1	04/17/15	MH	SW8260C	
Vinyl chloride	ND	1.0	0.25	ug/L	1	04/17/15	MH	SW8260C	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	101			%	1	04/17/15	MH	70 - 130 %	
% Bromofluorobenzene	99			%	1	04/17/15	MH	70 - 130 %	
% Dibromofluoromethane	103			%	1	04/17/15	MH	70 - 130 %	
% Toluene-d8	100			%	1	04/17/15	MH	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 Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

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
April 22, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

April 22, 2015

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	GS	04/15/15	9:30
Location Code:	EBC	Received by:	SW	04/16/15	16:33
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBJ03612
Phoenix ID: BJ03617

Project ID: W 36TH ST MANHATTAN NY
Client ID: B5 0-2 FT

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Percent Solid	90				%		04/16/15	I	SW846-%Solid
Soil Extraction SVOA PAH	Completed						04/16/15	BJ/VH	SW3545A
Semivolatiles									
Acenaphthene	ND		2600	1100	ug/Kg	2	04/17/15	DD	SW8270D
Acenaphthylene	ND		2600	1000	ug/Kg	2	04/17/15	DD	SW8270D
Anthracene	ND		2600	1200	ug/Kg	2	04/17/15	DD	SW8270D
Benz(a)anthracene	ND		2600	1200	ug/Kg	2	04/17/15	DD	SW8270D
Benzo(a)pyrene	ND		2600	1200	ug/Kg	2	04/17/15	DD	SW8270D
Benzo(b)fluoranthene	1300	J	2600	1300	ug/Kg	2	04/17/15	DD	SW8270D
Benzo(ghi)perylene	1300	J	2600	1200	ug/Kg	2	04/17/15	DD	SW8270D
Benzo(k)fluoranthene	ND		2600	1200	ug/Kg	2	04/17/15	DD	SW8270D
Chrysene	ND		2600	1200	ug/Kg	2	04/17/15	DD	SW8270D
Dibenz(a,h)anthracene	ND		2600	1200	ug/Kg	2	04/17/15	DD	SW8270D
Fluoranthene	1700	J	2600	1200	ug/Kg	2	04/17/15	DD	SW8270D
Fluorene	ND		2600	1200	ug/Kg	2	04/17/15	DD	SW8270D
Indeno(1,2,3-cd)pyrene	ND		2600	1200	ug/Kg	2	04/17/15	DD	SW8270D
Naphthalene	ND		2600	1100	ug/Kg	2	04/17/15	DD	SW8270D
Phenanthrene	1400	J	2600	1100	ug/Kg	2	04/17/15	DD	SW8270D
Pyrene	1400	J	2600	1300	ug/Kg	2	04/17/15	DD	SW8270D
QA/QC Surrogates									
% 2-Fluorobiphenyl	105				%	2	04/17/15	DD	30 - 115 %
% Nitrobenzene-d5	96				%	2	04/17/15	DD	23 - 120 %
% Terphenyl-d14	75				%	2	04/17/15	DD	18 - 137 %

Project ID: W 36TH ST MANHATTAN NY

Client ID: B5 0-2 FT

Phoenix I.D.: BJ03617

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference

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

Comments:

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

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

April 22, 2015

Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

April 22, 2015

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	GS	04/15/15	10:30
Location Code:	EBC	Received by:	SW	04/16/15	16:33
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBJ03612
Phoenix ID: BJ03618

Project ID: W 36TH ST MANHATTAN NY
Client ID: B11 0-2 FT

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	2.66		0.38	0.38	mg/Kg	1	04/18/15	LK	SW6010C
Aluminum	8500		38	7.7	mg/Kg	10	04/17/15	LK	SW6010C
Arsenic	4.3	*	0.8	0.77	mg/Kg	1	04/18/15	LK	SW6010C
Barium	162		0.8	0.38	mg/Kg	1	04/18/15	LK	SW6010C
Beryllium	2.05		0.31	0.15	mg/Kg	1	04/18/15	LK	SW6010C
Calcium	17000	*	38	35	mg/Kg	10	04/17/15	LK	SW6010C
Cadmium	2.50	*	0.38	0.15	mg/Kg	1	04/18/15	LK	SW6010C
Cobalt	10.8		0.38	0.38	mg/Kg	1	04/18/15	LK	SW6010C
Chromium	31.3	*	0.38	0.38	mg/Kg	1	04/18/15	LK	SW6010C
Copper	248		3.8	3.8	mg/kg	10	04/17/15	LK	SW6010C
Iron	18800		38	38	mg/Kg	10	04/17/15	LK	SW6010C
Mercury	1.03	N	0.03	0.02	mg/Kg	1	04/20/15	RS	SW7471B
Potassium	3590	N	8	3.0	mg/Kg	1	04/18/15	LK	SW6010C
Magnesium	4690		3.8	3.8	mg/Kg	1	04/18/15	LK	SW6010C
Manganese	394		3.8	3.8	mg/Kg	10	04/17/15	LK	SW6010C
Sodium	377	N	8	3.3	mg/Kg	1	04/18/15	LK	SW6010C
Nickel	43.4		0.38	0.38	mg/Kg	1	04/18/15	LK	SW6010C
Lead	315		7.7	3.8	mg/Kg	10	04/17/15	LK	SW6010C
Antimony	< 1.9		1.9	1.9	mg/Kg	1	04/18/15	LK	SW6010C
Selenium	< 1.5		1.5	1.3	mg/Kg	1	04/18/15	LK	SW6010C
Thallium	< 1.5		1.5	1.5	mg/Kg	1	04/18/15	LK	SW6010C
Vanadium	25.7		0.4	0.38	mg/Kg	1	04/18/15	LK	SW6010C
Zinc	484		7.7	3.8	mg/Kg	10	04/17/15	LK	SW6010C
Percent Solid	93				%		04/16/15	I	SW846-%Solid
Soil Extraction for PCB	Completed						04/16/15	BC	SW3545A
Soil Extraction for Pesticide	Completed						04/16/15	BC/H	SW3545A
Soil Extraction SVOA PAH	Completed						04/16/15	BJ/VH	SW3545A
Mercury Digestion	Completed						04/20/15	I/I	SW7471B

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Total Metals Digest	Completed						04/16/15	AG	SW3050B
Polychlorinated Biphenyls									
PCB-1016	ND		87	87	ug/Kg	5	04/17/15	AW	SW8082A
PCB-1221	ND		87	87	ug/Kg	5	04/17/15	AW	SW8082A
PCB-1232	ND		87	87	ug/Kg	5	04/17/15	AW	SW8082A
PCB-1242	ND		87	87	ug/Kg	5	04/17/15	AW	SW8082A
PCB-1248	ND		87	87	ug/Kg	5	04/17/15	AW	SW8082A
PCB-1254	ND		87	87	ug/Kg	5	04/17/15	AW	SW8082A
PCB-1260	180		87	87	ug/Kg	5	04/17/15	AW	SW8082A
PCB-1262	ND		87	87	ug/Kg	5	04/17/15	AW	SW8082A
PCB-1268	ND		87	87	ug/Kg	5	04/17/15	AW	SW8082A
QA/QC Surrogates									
% DCBP	101				%	5	04/17/15	AW	30 - 150 %
% TCMX	95				%	5	04/17/15	AW	30 - 150 %
Pesticides - Soil									
4,4' -DDD	ND		2.1	2.1	ug/Kg	2	04/18/15	CE	SW8081B
4,4' -DDE	ND		3.0	3.0	ug/Kg	2	04/18/15	CE	SW8081B
4,4' -DDT	ND		8.0	8.0	ug/Kg	2	04/18/15	CE	SW8081B
a-BHC	ND		7.0	7.0	ug/Kg	2	04/18/15	CE	SW8081B
a-Chlordane	ND		7.0	7.0	ug/Kg	2	04/18/15	CE	SW8081B
Aldrin	ND		3.5	3.5	ug/Kg	2	04/18/15	CE	SW8081B
b-BHC	ND		7.0	7.0	ug/Kg	2	04/18/15	CE	SW8081B
Chlordane	ND		35	35	ug/Kg	2	04/18/15	CE	SW8081B
d-BHC	ND		7.0	7.0	ug/Kg	2	04/18/15	CE	SW8081B
Dieldrin	ND		6.0	6.0	ug/Kg	2	04/18/15	CE	SW8081B
Endosulfan I	ND		7.0	7.0	ug/Kg	2	04/18/15	CE	SW8081B
Endosulfan II	ND		7.0	7.0	ug/Kg	2	04/18/15	CE	SW8081B
Endosulfan sulfate	ND		7.0	7.0	ug/Kg	2	04/18/15	CE	SW8081B
Endrin	ND		7.0	7.0	ug/Kg	2	04/18/15	CE	SW8081B
Endrin aldehyde	ND		7.0	7.0	ug/Kg	2	04/18/15	CE	SW8081B
Endrin ketone	ND		7.0	7.0	ug/Kg	2	04/18/15	CE	SW8081B
g-BHC	ND		1.4	1.4	ug/Kg	2	04/18/15	CE	SW8081B
g-Chlordane	ND		15	15	ug/Kg	2	04/18/15	CE	SW8081B
Heptachlor	ND		7.0	7.0	ug/Kg	2	04/18/15	CE	SW8081B
Heptachlor epoxide	ND		7.0	7.0	ug/Kg	2	04/18/15	CE	SW8081B
Methoxychlor	ND		35	35	ug/Kg	2	04/18/15	CE	SW8081B
Toxaphene	ND		140	140	ug/Kg	2	04/18/15	CE	SW8081B
QA/QC Surrogates									
% DCBP	77				%	2	04/18/15	CE	30 - 150 %
% TCMX	73				%	2	04/18/15	CE	30 - 150 %
Semivolatiles									
Acenaphthene	130	J	250	110	ug/Kg	1	04/16/15	DD	SW8270D
Acenaphthylene	ND		250	100	ug/Kg	1	04/16/15	DD	SW8270D
Anthracene	330		250	120	ug/Kg	1	04/16/15	DD	SW8270D
Benz(a)anthracene	800		250	120	ug/Kg	1	04/16/15	DD	SW8270D
Benzo(a)pyrene	710		250	120	ug/Kg	1	04/16/15	DD	SW8270D
Benzo(b)fluoranthene	950		250	120	ug/Kg	1	04/16/15	DD	SW8270D

Project ID: W 36TH ST MANHATTAN NY
Client ID: B11 0-2 FT

Phoenix I.D.: BJ03618

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Benzo(ghi)perylene	560		250	120	ug/Kg	1	04/16/15	DD	SW8270D
Benzo(k)fluoranthene	260		250	120	ug/Kg	1	04/16/15	DD	SW8270D
Chrysene	940		250	120	ug/Kg	1	04/16/15	DD	SW8270D
Dibenz(a,h)anthracene	170	J	250	120	ug/Kg	1	04/16/15	DD	SW8270D
Fluoranthene	1100		250	120	ug/Kg	1	04/16/15	DD	SW8270D
Fluorene	130	J	250	120	ug/Kg	1	04/16/15	DD	SW8270D
Indeno(1,2,3-cd)pyrene	450		250	120	ug/Kg	1	04/16/15	DD	SW8270D
Naphthalene	ND		250	100	ug/Kg	1	04/16/15	DD	SW8270D
Phenanthrene	1400		250	100	ug/Kg	1	04/16/15	DD	SW8270D
Pyrene	1100		250	120	ug/Kg	1	04/16/15	DD	SW8270D
QA/QC Surrogates									
% 2-Fluorobiphenyl	81				%	1	04/16/15	DD	30 - 115 %
% Nitrobenzene-d5	73				%	1	04/16/15	DD	23 - 120 %
% Terphenyl-d14	55				%	1	04/16/15	DD	18 - 137 %

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

Comments:

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

Pesticide Comment:
Due to matrix interference caused by the presence of PCBs in the sample, an elevated RL was reported.

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
April 22, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

April 22, 2015

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	GS	04/15/15	11:00
Location Code:	EBC	Received by:	SW	04/16/15	16:33
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBJ03612
Phoenix ID: BJ03619

Project ID: W 36TH ST MANHATTAN NY
Client ID: B12 0-2 FT

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	3.96		0.39	0.39	mg/Kg	1	04/18/15	LK	SW6010C
Aluminum	8490		39	7.8	mg/Kg	10	04/17/15	LK	SW6010C
Arsenic	11.1	*	0.8	0.78	mg/Kg	1	04/18/15	LK	SW6010C
Barium	164		0.8	0.39	mg/Kg	1	04/18/15	LK	SW6010C
Beryllium	0.66		0.31	0.16	mg/Kg	1	04/18/15	LK	SW6010C
Calcium	38600	*	39	36	mg/Kg	10	04/17/15	LK	SW6010C
Cadmium	0.51	*	0.39	0.16	mg/Kg	1	04/18/15	LK	SW6010C
Cobalt	7.39		0.39	0.39	mg/Kg	1	04/18/15	LK	SW6010C
Chromium	26.9	*	0.39	0.39	mg/Kg	1	04/18/15	LK	SW6010C
Copper	83.6		0.39	0.39	mg/kg	1	04/18/15	LK	SW6010C
Iron	18800		39	39	mg/Kg	10	04/17/15	LK	SW6010C
Mercury	0.32	N	0.03	0.02	mg/Kg	1	04/20/15	RS	SW7471B
Potassium	2170	N	8	3.0	mg/Kg	1	04/18/15	LK	SW6010C
Magnesium	3730		3.9	3.9	mg/Kg	1	04/18/15	LK	SW6010C
Manganese	258		3.9	3.9	mg/Kg	10	04/17/15	LK	SW6010C
Sodium	738	N	8	3.3	mg/Kg	1	04/18/15	LK	SW6010C
Nickel	22.1		0.39	0.39	mg/Kg	1	04/18/15	LK	SW6010C
Lead	382		7.8	3.9	mg/Kg	10	04/17/15	LK	SW6010C
Antimony	< 1.9		1.9	1.9	mg/Kg	1	04/18/15	LK	SW6010C
Selenium	< 1.6		1.6	1.3	mg/Kg	1	04/18/15	LK	SW6010C
Thallium	< 1.6		1.6	1.6	mg/Kg	1	04/18/15	LK	SW6010C
Vanadium	50.3		0.4	0.39	mg/Kg	1	04/18/15	LK	SW6010C
Zinc	170		7.8	3.9	mg/Kg	10	04/17/15	LK	SW6010C
Percent Solid	87				%		04/16/15	I	SW846-%Solid
Soil Extraction for PCB	Completed						04/16/15	BC	SW3545A
Soil Extraction for Pesticide	Completed						04/16/15	BC/H	SW3545A
Soil Extraction SVOA PAH	Completed						04/16/15	BJ/VH	SW3545A
Mercury Digestion	Completed						04/20/15	I/I	SW7471B

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Total Metals Digest	Completed						04/16/15	AG	SW3050B
Polychlorinated Biphenyls									
PCB-1016	ND		95	95	ug/Kg	5	04/17/15	AW	SW8082A
PCB-1221	ND		95	95	ug/Kg	5	04/17/15	AW	SW8082A
PCB-1232	ND		95	95	ug/Kg	5	04/17/15	AW	SW8082A
PCB-1242	ND		95	95	ug/Kg	5	04/17/15	AW	SW8082A
PCB-1248	ND		95	95	ug/Kg	5	04/17/15	AW	SW8082A
PCB-1254	ND		95	95	ug/Kg	5	04/17/15	AW	SW8082A
PCB-1260	ND		95	95	ug/Kg	5	04/17/15	AW	SW8082A
PCB-1262	ND		95	95	ug/Kg	5	04/17/15	AW	SW8082A
PCB-1268	ND		95	95	ug/Kg	5	04/17/15	AW	SW8082A
QA/QC Surrogates									
% DCBP	84				%	5	04/17/15	AW	30 - 150 %
% TCMX	88				%	5	04/17/15	AW	30 - 150 %
Pesticides - Soil									
4,4' -DDD	ND		3.3	3.3	ug/Kg	2	04/17/15	C/P	SW8081B
4,4' -DDE	ND		2.3	2.3	ug/Kg	2	04/17/15	C/P	SW8081B
4,4' -DDT	ND		2.3	2.3	ug/Kg	2	04/17/15	C/P	SW8081B
a-BHC	ND		7.6	7.6	ug/Kg	2	04/17/15	C/P	SW8081B
a-Chlordane	ND		3.8	3.8	ug/Kg	2	04/17/15	C/P	SW8081B
Aldrin	ND		3.8	3.8	ug/Kg	2	04/17/15	C/P	SW8081B
b-BHC	ND		7.6	7.6	ug/Kg	2	04/17/15	C/P	SW8081B
Chlordane	ND		38	38	ug/Kg	2	04/17/15	C/P	SW8081B
d-BHC	ND		7.6	7.6	ug/Kg	2	04/17/15	C/P	SW8081B
Dieldrin	ND		3.8	3.8	ug/Kg	2	04/17/15	C/P	SW8081B
Endosulfan I	ND		7.6	7.6	ug/Kg	2	04/17/15	C/P	SW8081B
Endosulfan II	ND		7.6	7.6	ug/Kg	2	04/17/15	C/P	SW8081B
Endosulfan sulfate	ND		7.6	7.6	ug/Kg	2	04/17/15	C/P	SW8081B
Endrin	ND		7.6	7.6	ug/Kg	2	04/17/15	C/P	SW8081B
Endrin aldehyde	ND		7.6	7.6	ug/Kg	2	04/17/15	C/P	SW8081B
Endrin ketone	ND		7.6	7.6	ug/Kg	2	04/17/15	C/P	SW8081B
g-BHC	ND		1.5	1.5	ug/Kg	2	04/17/15	C/P	SW8081B
g-Chlordane	ND		3.8	3.8	ug/Kg	2	04/17/15	C/P	SW8081B
Heptachlor	ND		7.6	7.6	ug/Kg	2	04/17/15	C/P	SW8081B
Heptachlor epoxide	ND		7.6	7.6	ug/Kg	2	04/17/15	C/P	SW8081B
Methoxychlor	ND		38	38	ug/Kg	2	04/17/15	C/P	SW8081B
Toxaphene	ND		150	150	ug/Kg	2	04/17/15	C/P	SW8081B
QA/QC Surrogates									
% DCBP	116				%	2	04/17/15	C/P	30 - 150 %
% TCMX	72				%	2	04/17/15	C/P	30 - 150 %
Semivolatiles									
Acenaphthene	ND		2600	1100	ug/Kg	10	04/17/15	DD	SW8270D
Acenaphthylene	ND		2600	1000	ug/Kg	10	04/17/15	DD	SW8270D
Anthracene	1800	J	2600	1200	ug/Kg	10	04/17/15	DD	SW8270D
Benz(a)anthracene	5700		2600	1300	ug/Kg	10	04/17/15	DD	SW8270D
Benzo(a)pyrene	6100		2600	1200	ug/Kg	10	04/17/15	DD	SW8270D
Benzo(b)fluoranthene	8300		2600	1300	ug/Kg	10	04/17/15	DD	SW8270D

Project ID: W 36TH ST MANHATTAN NY
Client ID: B12 0-2 FT

Phoenix I.D.: BJ03619

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Benzo(ghi)perylene	3200		2600	1200	ug/Kg	10	04/17/15	DD	SW8270D
Benzo(k)fluoranthene	2200	J	2600	1200	ug/Kg	10	04/17/15	DD	SW8270D
Chrysene	6000		2600	1300	ug/Kg	10	04/17/15	DD	SW8270D
Dibenz(a,h)anthracene	ND		2600	1200	ug/Kg	10	04/17/15	DD	SW8270D
Fluoranthene	8100		2600	1200	ug/Kg	10	04/17/15	DD	SW8270D
Fluorene	ND		2600	1200	ug/Kg	10	04/17/15	DD	SW8270D
Indeno(1,2,3-cd)pyrene	2900		2600	1200	ug/Kg	10	04/17/15	DD	SW8270D
Naphthalene	ND		2600	1100	ug/Kg	10	04/17/15	DD	SW8270D
Phenanthrene	7400		2600	1100	ug/Kg	10	04/17/15	DD	SW8270D
Pyrene	10000		2600	1300	ug/Kg	10	04/17/15	DD	SW8270D
QA/QC Surrogates									
% 2-Fluorobiphenyl	Diluted Out				%	10	04/17/15	DD	30 - 115 %
% Nitrobenzene-d5	Diluted Out				%	10	04/17/15	DD	23 - 120 %
% Terphenyl-d14	Diluted Out				%	10	04/17/15	DD	18 - 137 %

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

Comments:

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

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

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
April 22, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

Sample Criteria Exceedences Report

GBJ03612 - EBC

Criteria: NY: 375, 375RRS, 375RS, GW

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BJ03612	$8260-SMDPR	Acetone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	60	50	50	50	ug/Kg
BJ03612	$DP_8270SSR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	1300	260	1000	1000	ug/Kg
BJ03612	$DP_8270SSR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	1400	260	1000	1000	ug/Kg
BJ03612	$DP_8270SSR	Chrysene	NY / 375-6.8 Semivolatiles / Residential	1300	260	1000	1000	ug/Kg
BJ03612	$DP_8270SSR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	600	260	500	500	ug/Kg
BJ03612	$DP_8270SSR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	1300	260	1000	1000	ug/Kg
BJ03612	$DP_8270SSR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	1400	260	1000	1000	ug/Kg
BJ03612	$DP_8270SSR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	600	260	500	500	ug/Kg
BJ03612	$DP_8270SSR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1300	260	1000	1000	ug/Kg
BJ03612	$DP_8270SSR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1400	260	1000	1000	ug/Kg
BJ03612	$DP_8270SSR	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1300	260	1000	1000	ug/Kg
BJ03612	$DP_8270SSR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	600	260	500	500	ug/Kg
BJ03612	CR-SM	Chromium	NY / 375-6.8 Metals / Unrestricted Use Soil	46.3	0.34	30		mg/Kg
BJ03612	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	82.9	0.34	50	50	mg/kg
BJ03612	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.40	0.03	0.18	0.18	mg/Kg
BJ03612	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	170	6.8	63	63	mg/Kg
BJ03612	ZN-SMDP	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	242	6.8	109	109	mg/Kg
BJ03613	$8260-SMDPR	Acetone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	75	65	50	50	ug/Kg
BJ03613	HG-SM	Mercury	NY / 375-6.8 Metals / Residential	1.23	0.03	0.81	0.81	mg/Kg
BJ03613	HG-SM	Mercury	NY / 375-6.8 Metals / Residential Restricted	1.23	0.03	0.81	0.81	mg/Kg
BJ03613	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	1.23	0.03	0.18	0.18	mg/Kg
BJ03613	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	156	0.8	63	63	mg/Kg
BJ03614	$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.0006	0.0006	ug/L
BJ03614	$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BJ03614	$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BJ03614	$PCB_WMLDL	PCB-1242	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	ND	0.11	0.09	0.09	ug/L
BJ03614	$PCB_WMLDL	PCB-1260	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	0.16	0.11	0.09	0.09	ug/L
BJ03614	$PCB_WMLDL	PCB-1254	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	ND	0.11	0.09	0.09	ug/L
BJ03614	$PCB_WMLDL	PCB-1016	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	ND	0.11	0.09	0.09	ug/L
BJ03614	$PCB_WMLDL	PCB-1248	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	ND	0.11	0.09	0.09	ug/L
BJ03614	$PCB_WMLDL	PCB-1232	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	ND	0.11	0.09	0.09	ug/L
BJ03614	$PCB_WMLDL	PCB-1221	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	ND	0.11	0.09	0.09	ug/L
BJ03614	$PCB_WMLDL	PCB-1242	NY / TOGS - Water Quality / GA Criteria	ND	0.11	0.09	0.09	ug/L
BJ03614	$PCB_WMLDL	PCB-1221	NY / TOGS - Water Quality / GA Criteria	ND	0.11	0.09	0.09	ug/L
BJ03614	$PCB_WMLDL	PCB-1248	NY / TOGS - Water Quality / GA Criteria	ND	0.11	0.09	0.09	ug/L
BJ03614	$PCB_WMLDL	PCB-1254	NY / TOGS - Water Quality / GA Criteria	ND	0.11	0.09	0.09	ug/L
BJ03614	$PCB_WMLDL	PCB-1016	NY / TOGS - Water Quality / GA Criteria	ND	0.11	0.09	0.09	ug/L
BJ03614	$PCB_WMLDL	PCB-1260	NY / TOGS - Water Quality / GA Criteria	0.16	0.11	0.09	0.09	ug/L
BJ03614	$PCB_WMLDL	PCB-1232	NY / TOGS - Water Quality / GA Criteria	ND	0.11	0.09	0.09	ug/L
BJ03615	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.63	0.03	0.18	0.18	mg/Kg

Sample Criteria Exceedences Report

GBJ03612 - EBC

Criteria: NY: 375, 375RRS, 375RS, GW

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BJ03615	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	106	0.8	63	63	mg/Kg
BJ03616	$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.0006	0.0006	ug/L
BJ03616	$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BJ03616	$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BJ03617	$DP_8270SSR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	ND	2600	500	500	ug/Kg
BJ03617	$DP_8270SSR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	1300	2600	1000	1000	ug/Kg
BJ03617	$DP_8270SSR	Chrysene	NY / 375-6.8 Semivolatiles / Residential	ND	2600	1000	1000	ug/Kg
BJ03617	$DP_8270SSR	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	ND	2600	1000	1000	ug/Kg
BJ03617	$DP_8270SSR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	ND	2600	1000	1000	ug/Kg
BJ03617	$DP_8270SSR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	ND	2600	1000	1000	ug/Kg
BJ03617	$DP_8270SSR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential	ND	2600	330	330	ug/Kg
BJ03617	$DP_8270SSR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	ND	2600	1000	1000	ug/Kg
BJ03617	$DP_8270SSR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	ND	2600	330	330	ug/Kg
BJ03617	$DP_8270SSR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	ND	2600	1000	1000	ug/Kg
BJ03617	$DP_8270SSR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	ND	2600	500	500	ug/Kg
BJ03617	$DP_8270SSR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	1300	2600	1000	1000	ug/Kg
BJ03617	$DP_8270SSR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1300	2600	1000	1000	ug/Kg
BJ03617	$DP_8270SSR	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	2600	800	800	ug/Kg
BJ03617	$DP_8270SSR	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	2600	1000	1000	ug/Kg
BJ03617	$DP_8270SSR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	2600	1000	1000	ug/Kg
BJ03617	$DP_8270SSR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	2600	1000	1000	ug/Kg
BJ03617	$DP_8270SSR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	2600	500	500	ug/Kg
BJ03617	$DP_8270SSR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	2600	330	330	ug/Kg
BJ03618	$PCB_SMRDP	PCB-1260	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	180	87	100	100	ug/Kg
BJ03618	$PESTSMDPR	4,4' -DDT	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	8.0	3.3	3.3	ug/Kg
BJ03618	$PESTSMDPR	Dieldrin	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	6.0	5	5	ug/Kg
BJ03618	AG-SM	Silver	NY / 375-6.8 Metals / Unrestricted Use Soil	2.66	0.38	2	2	mg/Kg
BJ03618	CR-SM	Chromium	NY / 375-6.8 Metals / Unrestricted Use Soil	31.3	0.38	30		mg/Kg
BJ03618	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	248	3.8	50	50	mg/kg
BJ03618	HG-SM	Mercury	NY / 375-6.8 Metals / Residential	1.03	0.03	0.81	0.81	mg/Kg
BJ03618	HG-SM	Mercury	NY / 375-6.8 Metals / Residential Restricted	1.03	0.03	0.81	0.81	mg/Kg
BJ03618	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	1.03	0.03	0.18	0.18	mg/Kg
BJ03618	NI-SM	Nickel	NY / 375-6.8 Metals / Unrestricted Use Soil	43.4	0.38	30	30	mg/Kg
BJ03618	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	315	7.7	63	63	mg/Kg
BJ03618	ZN-SMDP	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	484	7.7	109	109	mg/Kg
BJ03619	$DP_8270SSR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	5700	2600	1000	1000	ug/Kg
BJ03619	$DP_8270SSR	Chrysene	NY / 375-6.8 Semivolatiles / Residential	6000	2600	1000	1000	ug/Kg
BJ03619	$DP_8270SSR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	8300	2600	1000	1000	ug/Kg
BJ03619	$DP_8270SSR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential	ND	2600	330	330	ug/Kg

Sample Criteria Exceedences Report

GBJ03612 - EBC

Criteria: NY: 375, 375RRS, 375RS, GW

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BJ03619	$DP_8270SSR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	6100	2600	1000	1000	ug/Kg
BJ03619	$DP_8270SSR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	2900	2600	500	500	ug/Kg
BJ03619	$DP_8270SSR	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	2200	2600	1000	1000	ug/Kg
BJ03619	$DP_8270SSR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	ND	2600	330	330	ug/Kg
BJ03619	$DP_8270SSR	Chrysene	NY / 375-6.8 Semivolatiles / Residential Restricted	6000	2600	3900	3900	ug/Kg
BJ03619	$DP_8270SSR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	2900	2600	500	500	ug/Kg
BJ03619	$DP_8270SSR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	8300	2600	1000	1000	ug/Kg
BJ03619	$DP_8270SSR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	6100	2600	1000	1000	ug/Kg
BJ03619	$DP_8270SSR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	5700	2600	1000	1000	ug/Kg
BJ03619	$DP_8270SSR	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2200	2600	800	800	ug/Kg
BJ03619	$DP_8270SSR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	8300	2600	1000	1000	ug/Kg
BJ03619	$DP_8270SSR	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	6000	2600	1000	1000	ug/Kg
BJ03619	$DP_8270SSR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	6100	2600	1000	1000	ug/Kg
BJ03619	$DP_8270SSR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	2600	330	330	ug/Kg
BJ03619	$DP_8270SSR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2900	2600	500	500	ug/Kg
BJ03619	$DP_8270SSR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	5700	2600	1000	1000	ug/Kg
BJ03619	AG-SM	Silver	NY / 375-6.8 Metals / Unrestricted Use Soil	3.96	0.39	2	2	mg/Kg
BJ03619	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	83.6	0.39	50	50	mg/kg
BJ03619	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.32	0.03	0.18	0.18	mg/Kg
BJ03619	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	382	7.8	63	63	mg/Kg
BJ03619	ZN-SMDP	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	170	7.8	109	109	mg/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

April 22, 2015

SDG I.D.: GBJ03612

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

E WITH

Cooler: Yes [X] No [ ]
Coolant: IPK [X] ICE [ ] No [ ]

Temp 4 °C Pg 1 of 1

PHOENIX Environmental Laboratories, Inc.

NY/NJ CHAIN OF CUSTODY RECORD

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

Contact Options:
[ ] Fax:
[ ] Phone:
[X] Email: File

Customer: EBC
Address: 1808 Middle Country Rd Ridge, NY

Project: W 36th St, Manhattan NY
Report to: EBC
Invoice to: EBC

Project P.O:

This section MUST be completed with Bottle Quantities.

Client Sample - Information - Identification

Sampler's Signature: Greg Swinson Date: 4/15/15

Matrix Code:
DW=Drinking Water **GW**=Ground Water **SW**=Surface Water **WW**=Waste Water
RW=Raw Water **SE**=Sediment **SL**=Sludge **S**=Soil **SD**=Solid **W**=Wipe
OIL=Oil **B**=Bulk **L**=Liquid

Analysis Request

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	VOCs	SVOCs 8270	Rush Cases 8270 CLP	PCBs	TAL Metals	Soil VOA Vials [ ] methanol [X] H2O	GL Soil container (8)oz	GL Soil container (2)oz	40 ml VOA Vial [ ] As is [X] HCl	GL Amber 1000ml [X] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
03612	B10 6-8'	S	4/15	800	X	X		X	X								1	1	
03613	B9a 6-8'	S	↓	830	X	X		X	X								1	1	
*03614	GW9a	GW	↓	835	X			X											3	1
03615	B6 6-8'	S	↓	850	X	X		X	X								1	1	
03616	GW 6	GW	↓	900	X			X											3	1
03617	B5 0-2'	S	↓	930		X											1			
03618	B11 0-2'	S	↓	1030		X	X	X	X								1			
03619	B12 0-2'	S	↓	1100		X	X	X	X								1			

Relinquished by:	Accepted by:	Date:	Time:
[signature]	[signature]	4-16-15	12:00
[signature]	[signature]	4-16-15	1633

Comments, Special Requirements or Regulations:

* amber rcvd 1/2 full (CP)

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

NJ
[ ] Res. Criteria
[ ] Non-Res. Criteria
[ ] Impact to GW Soil Cleanup Criteria
[ ] GW Criteria

NY
[X] TAGM 4046 GW
[ ] TAGM 4046 SOIL
[X] NY375 Unrestricted Use Soil
[X] NY375 Residential Soil
[X] Restricted/Residential
[ ] Commercial
[ ] Industrial

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

Data Package
[ ] NJ Reduced Deliv. *
[X] NY Enhanced (ASP B) *
[ ] Other

State where samples were collected: NY

PHOENIX
Environmental Laboratories, Inc.

Tuesday, April 14, 2015

Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Project ID: W 36TH ST., MANHATTAN
Sample ID#s: BH92956 - BH92970

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

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

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

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

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

Sincerely yours,

Phyllis Shiller
Laboratory Director

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

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

SDG Comments

April 14, 2015

SDG I.D.: GBH92956

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/FID method 504 or 8011 to achieve this criteria.

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

April 14, 2015

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	GS	04/03/15	9:00
Location Code:	EBC	Received by:	LB	04/07/15	15:58
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH92956
Phoenix ID: BH92956

Project ID: W 36TH ST., MANHATTAN
Client ID: B1 0-2

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.33		0.33	0.33	mg/Kg	1	04/09/15	LK	SW6010C
Aluminum	17800		33	6.5	mg/Kg	10	04/09/15	LK	SW6010C
Arsenic	3.3		0.7	0.65	mg/Kg	1	04/09/15	LK	SW6010C
Barium	244	N	0.7	0.33	mg/Kg	1	04/09/15	LK	SW6010C
Beryllium	0.63		0.26	0.13	mg/Kg	1	04/09/15	LK	SW6010C
Calcium	16400		33	30	mg/Kg	10	04/09/15	LK	SW6010C
Cadmium	< 0.33		0.33	0.13	mg/Kg	1	04/09/15	LK	SW6010C
Cobalt	17.9		0.33	0.33	mg/Kg	1	04/09/15	LK	SW6010C
Chromium	44.7		0.33	0.33	mg/Kg	1	04/09/15	LK	SW6010C
Copper	60.1		0.33	0.33	mg/kg	1	04/09/15	LK	SW6010C
Iron	38400		33	33	mg/Kg	10	04/09/15	LK	SW6010C
Mercury	0.69		0.03	0.02	mg/Kg	1	04/10/15	RS	SW7471B
Potassium	10100		65	26	mg/Kg	10	04/09/15	LK	SW6010C
Magnesium	11400		33	33	mg/Kg	10	04/09/15	LK	SW6010C
Manganese	378	N	3.3	3.3	mg/Kg	10	04/09/15	LK	SW6010C
Sodium	558		7	2.8	mg/Kg	1	04/09/15	LK	SW6010C
Nickel	34.3		0.33	0.33	mg/Kg	1	04/09/15	LK	SW6010C
Lead	96.1		0.7	0.33	mg/Kg	1	04/09/15	LK	SW6010C
Antimony	< 1.6		1.6	1.6	mg/Kg	1	04/09/15	LK	SW6010C
Selenium	< 1.3		1.3	1.1	mg/Kg	1	04/09/15	LK	SW6010C
Thallium	< 1.3		1.3	1.3	mg/Kg	1	04/09/15	LK	SW6010C
Vanadium	92.7		0.3	0.33	mg/Kg	1	04/09/15	LK	SW6010C
Zinc	157	N	6.5	3.3	mg/Kg	10	04/09/15	LK	SW6010C
Percent Solid	91				%		04/07/15	i	SW846-%Solid
Soil Extraction for PCB	Completed						04/07/15	CC/H	SW3545A
Mercury Digestion	Completed						04/10/15	I/I	SW7471B
Total Metals Digest	Completed						04/07/15	CB/AG	SW3050B

Project ID: W 36TH ST., MANHATTAN
Client ID: B1 0-2

Phoenix I.D.: BH92956

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Polychlorinated Biphenyls								
PCB-1016	ND	36	36	ug/Kg	2	04/08/15	AW	SW8082A
PCB-1221	ND	36	36	ug/Kg	2	04/08/15	AW	SW8082A
PCB-1232	ND	36	36	ug/Kg	2	04/08/15	AW	SW8082A
PCB-1242	ND	36	36	ug/Kg	2	04/08/15	AW	SW8082A
PCB-1248	ND	36	36	ug/Kg	2	04/08/15	AW	SW8082A
PCB-1254	ND	36	36	ug/Kg	2	04/08/15	AW	SW8082A
PCB-1260	160	36	36	ug/Kg	2	04/08/15	AW	SW8082A
PCB-1262	ND	36	36	ug/Kg	2	04/08/15	AW	SW8082A
PCB-1268	ND	36	36	ug/Kg	2	04/08/15	AW	SW8082A
QA/QC Surrogates								
% DCBP	80			%	2	04/08/15	AW	30 - 150 %
% TCMX	79			%	2	04/08/15	AW	30 - 150 %

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

Comments:

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

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

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

Phyllis Shiller, Laboratory Director
April 14, 2015
Reviewed and Released by: Ethan Lee, Project Manager

PHOENIX

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Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

April 14, 2015

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	GS	04/03/15	9:15
Location Code:	EBC	Received by:	LB	04/07/15	15:58
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH92956
Phoenix ID: BH92957

Project ID: W 36TH ST., MANHATTAN
Client ID: B2 0-2

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.36		0.36	0.36	mg/Kg	1	04/09/15	LK	SW6010C
Aluminum	9290		36	7.3	mg/Kg	10	04/09/15	LK	SW6010C
Arsenic	3.5		0.7	0.73	mg/Kg	1	04/09/15	LK	SW6010C
Barium	101	N	0.7	0.36	mg/Kg	1	04/09/15	LK	SW6010C
Beryllium	0.34		0.29	0.15	mg/Kg	1	04/09/15	LK	SW6010C
Calcium	27300		36	33	mg/Kg	10	04/09/15	LK	SW6010C
Cadmium	0.29	B	0.36	0.15	mg/Kg	1	04/09/15	LK	SW6010C
Cobalt	11.8		0.36	0.36	mg/Kg	1	04/09/15	LK	SW6010C
Chromium	25.1		0.36	0.36	mg/Kg	1	04/09/15	LK	SW6010C
Copper	103		0.36	0.36	mg/kg	1	04/09/15	LK	SW6010C
Iron	26000		36	36	mg/Kg	10	04/09/15	LK	SW6010C
Mercury	0.76		0.03	0.02	mg/Kg	1	04/10/15	RS	SW7471B
Potassium	3450		7	2.8	mg/Kg	1	04/09/15	LK	SW6010C
Magnesium	11800		36	36	mg/Kg	10	04/09/15	LK	SW6010C
Manganese	313	N	3.6	3.6	mg/Kg	10	04/09/15	LK	SW6010C
Sodium	802		7	3.1	mg/Kg	1	04/09/15	LK	SW6010C
Nickel	25.0		0.36	0.36	mg/Kg	1	04/09/15	LK	SW6010C
Lead	93.4		0.7	0.36	mg/Kg	1	04/09/15	LK	SW6010C
Antimony	< 1.8		1.8	1.8	mg/Kg	1	04/09/15	LK	SW6010C
Selenium	< 1.5		1.5	1.2	mg/Kg	1	04/09/15	LK	SW6010C
Thallium	< 1.5		1.5	1.5	mg/Kg	1	04/09/15	LK	SW6010C
Vanadium	63.5		0.4	0.36	mg/Kg	1	04/09/15	LK	SW6010C
Zinc	89.3	N	0.7	0.36	mg/Kg	1	04/09/15	LK	SW6010C
Percent Solid	93				%		04/07/15	i	SW846-%Solid
Soil Extraction for PCB	Completed						04/07/15	CC/H	SW3545A
Mercury Digestion	Completed						04/10/15	I/I	SW7471B
Total Metals Digest	Completed						04/07/15	CB/AG	SW3050B

Project ID: W 36TH ST., MANHATTAN
Client ID: B2 0-2

Phoenix I.D.: BH92957

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Polychlorinated Biphenyls								
PCB-1016	ND	35	35	ug/Kg	2	04/09/15	AW	SW8082A
PCB-1221	ND	35	35	ug/Kg	2	04/09/15	AW	SW8082A
PCB-1232	ND	35	35	ug/Kg	2	04/09/15	AW	SW8082A
PCB-1242	ND	35	35	ug/Kg	2	04/09/15	AW	SW8082A
PCB-1248	ND	35	35	ug/Kg	2	04/09/15	AW	SW8082A
PCB-1254	ND	35	35	ug/Kg	2	04/09/15	AW	SW8082A
PCB-1260	640	35	35	ug/Kg	2	04/09/15	AW	SW8082A
PCB-1262	ND	35	35	ug/Kg	2	04/09/15	AW	SW8082A
PCB-1268	ND	35	35	ug/Kg	2	04/09/15	AW	SW8082A
QA/QC Surrogates								
% DCBP	68			%	2	04/09/15	AW	30 - 150 %
% TCMX	78			%	2	04/09/15	AW	30 - 150 %

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

Comments:

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

PCB Comment:
For PCBs, the continuing calibration standard recoveries were below criteria due to a matrix interference in the samples. Samples were rerun with with similar results. A negative sample bias is suspected.

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
April 14, 2015
Reviewed and Released by: Ethan Lee, Project Manager

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

April 14, 2015

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	GS	04/03/15	9:30
Location Code:	EBC	Received by:	LB	04/07/15	15:58
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH92956
Phoenix ID: BH92958

Project ID: W 36TH ST., MANHATTAN
Client ID: B2 5-7

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Percent Solid	89				%		04/07/15	i	SW846-%Solid
Soil Extraction SVOA PAH	Completed						04/07/15	JJ/VH	SW3545A
Field Extraction	Completed						04/03/15		SW5035A
Volatiles									
1,1,1,2-Tetrachloroethane	ND		3.5	0.71	ug/Kg	1	04/08/15	JLI	SW8260C
1,1,1-Trichloroethane	ND		3.5	0.35	ug/Kg	1	04/08/15	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND		3.5	0.71	ug/Kg	1	04/08/15	JLI	SW8260C
1,1,2-Trichloroethane	ND		3.5	0.71	ug/Kg	1	04/08/15	JLI	SW8260C
1,1-Dichloroethane	ND		3.5	0.71	ug/Kg	1	04/08/15	JLI	SW8260C
1,1-Dichloroethene	ND		3.5	0.35	ug/Kg	1	04/08/15	JLI	SW8260C
1,1-Dichloropropene	ND		3.5	0.35	ug/Kg	1	04/08/15	JLI	SW8260C
1,2,3-Trichlorobenzene	ND		3.5	0.71	ug/Kg	1	04/08/15	JLI	SW8260C
1,2,3-Trichloropropane	ND		3.5	0.35	ug/Kg	1	04/08/15	JLI	SW8260C
1,2,4-Trichlorobenzene	ND		3.5	0.71	ug/Kg	1	04/08/15	JLI	SW8260C
1,2,4-Trimethylbenzene	110	J	300	30	ug/Kg	50	04/08/15	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND		3.5	0.71	ug/Kg	1	04/08/15	JLI	SW8260C
1,2-Dibromoethane	ND		3.5	0.35	ug/Kg	1	04/08/15	JLI	SW8260C
1,2-Dichlorobenzene	ND		3.5	0.35	ug/Kg	1	04/08/15	JLI	SW8260C
1,2-Dichloroethane	ND		3.5	0.35	ug/Kg	1	04/08/15	JLI	SW8260C
1,2-Dichloropropane	ND		3.5	0.71	ug/Kg	1	04/08/15	JLI	SW8260C
1,3,5-Trimethylbenzene	2.0	J	3.5	0.35	ug/Kg	1	04/08/15	JLI	SW8260C
1,3-Dichlorobenzene	ND		3.5	0.35	ug/Kg	1	04/08/15	JLI	SW8260C
1,3-Dichloropropane	ND		3.5	0.71	ug/Kg	1	04/08/15	JLI	SW8260C
1,4-Dichlorobenzene	ND		3.5	0.35	ug/Kg	1	04/08/15	JLI	SW8260C
2,2-Dichloropropane	ND		3.5	0.35	ug/Kg	1	04/08/15	JLI	SW8260C
2-Chlorotoluene	ND		3.5	0.71	ug/Kg	1	04/08/15	JLI	SW8260C
2-Hexanone	ND		18	3.5	ug/Kg	1	04/08/15	JLI	SW8260C

Project ID: W 36TH ST., MANHATTAN
Client ID: B2 5-7

Phoenix I.D.: BH92958

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
2-Isopropyltoluene	ND		3.5	0.35	ug/Kg	1	04/08/15	JLI	SW8260C	1
4-Chlorotoluene	ND		3.5	0.35	ug/Kg	1	04/08/15	JLI	SW8260C	
4-Methyl-2-pentanone	ND		18	3.5	ug/Kg	1	04/08/15	JLI	SW8260C	
Acetone	52	S	35	3.5	ug/Kg	1	04/08/15	JLI	SW8260C	
Acrylonitrile	ND		7.1	0.35	ug/Kg	1	04/08/15	JLI	SW8260C	
Benzene	43	J	300	30	ug/Kg	50	04/08/15	JLI	SW8260C	
Bromobenzene	ND		3.5	0.35	ug/Kg	1	04/08/15	JLI	SW8260C	
Bromochloromethane	ND		3.5	0.35	ug/Kg	1	04/08/15	JLI	SW8260C	
Bromodichloromethane	ND		3.5	0.71	ug/Kg	1	04/08/15	JLI	SW8260C	
Bromoform	ND		3.5	0.71	ug/Kg	1	04/08/15	JLI	SW8260C	
Bromomethane	ND		3.5	1.4	ug/Kg	1	04/08/15	JLI	SW8260C	
Carbon Disulfide	5.6		3.5	0.71	ug/Kg	1	04/08/15	JLI	SW8260C	
Carbon tetrachloride	ND		3.5	0.71	ug/Kg	1	04/08/15	JLI	SW8260C	
Chlorobenzene	ND		3.5	0.35	ug/Kg	1	04/08/15	JLI	SW8260C	
Chloroethane	ND		3.5	0.35	ug/Kg	1	04/08/15	JLI	SW8260C	
Chloroform	ND		3.5	0.35	ug/Kg	1	04/08/15	JLI	SW8260C	
Chloromethane	ND		3.5	0.71	ug/Kg	1	04/08/15	JLI	SW8260C	
cis-1,2-Dichloroethene	ND		3.5	0.35	ug/Kg	1	04/08/15	JLI	SW8260C	
cis-1,3-Dichloropropene	ND		3.5	0.35	ug/Kg	1	04/08/15	JLI	SW8260C	
Dibromochloromethane	ND		3.5	0.71	ug/Kg	1	04/08/15	JLI	SW8260C	
Dibromomethane	ND		3.5	0.71	ug/Kg	1	04/08/15	JLI	SW8260C	
Dichlorodifluoromethane	ND		3.5	0.35	ug/Kg	1	04/08/15	JLI	SW8260C	
Ethylbenzene	38	J	300	30	ug/Kg	50	04/08/15	JLI	SW8260C	
Hexachlorobutadiene	ND		3.5	0.35	ug/Kg	1	04/08/15	JLI	SW8260C	
Isopropylbenzene	0.49	J	3.5	0.35	ug/Kg	1	04/08/15	JLI	SW8260C	
m&p-Xylene	140	J	300	59	ug/Kg	50	04/08/15	JLI	SW8260C	
Methyl Ethyl Ketone	12	J	21	3.5	ug/Kg	1	04/08/15	JLI	SW8260C	
Methyl t-butyl ether (MTBE)	ND		7.1	0.71	ug/Kg	1	04/08/15	JLI	SW8260C	
Methylene chloride	ND		3.5	3.5	ug/Kg	1	04/08/15	JLI	SW8260C	
Naphthalene	1500		300	59	ug/Kg	50	04/08/15	JLI	SW8260C	
n-Butylbenzene	ND		3.5	0.35	ug/Kg	1	04/08/15	JLI	SW8260C	
n-Propylbenzene	ND		3.5	0.64	ug/Kg	1	04/08/15	JLI	SW8260C	
o-Xylene	75	J	300	59	ug/Kg	50	04/08/15	JLI	SW8260C	
p-Isopropyltoluene	1.2	J	3.5	0.35	ug/Kg	1	04/08/15	JLI	SW8260C	
sec-Butylbenzene	0.41	J	3.5	0.35	ug/Kg	1	04/08/15	JLI	SW8260C	
Styrene	ND		3.5	0.35	ug/Kg	1	04/08/15	JLI	SW8260C	
tert-Butylbenzene	ND		3.5	0.35	ug/Kg	1	04/08/15	JLI	SW8260C	
Tetrachloroethene	ND		3.5	0.71	ug/Kg	1	04/08/15	JLI	SW8260C	
Tetrahydrofuran (THF)	ND		7.1	1.8	ug/Kg	1	04/08/15	JLI	SW8260C	1
Toluene	71	J	300	30	ug/Kg	50	04/08/15	JLI	SW8260C	
trans-1,2-Dichloroethene	ND		3.5	0.35	ug/Kg	1	04/08/15	JLI	SW8260C	
trans-1,3-Dichloropropene	ND		3.5	0.35	ug/Kg	1	04/08/15	JLI	SW8260C	
trans-1,4-dichloro-2-butene	ND		7.1	1.8	ug/Kg	1	04/08/15	JLI	SW8260C	
Trichloroethene	ND		3.5	0.35	ug/Kg	1	04/08/15	JLI	SW8260C	
Trichlorofluoromethane	ND		3.5	0.71	ug/Kg	1	04/08/15	JLI	SW8260C	
Trichlorotrifluoroethane	ND		3.5	0.35	ug/Kg	1	04/08/15	JLI	SW8260C	
Vinyl chloride	ND		3.5	0.35	ug/Kg	1	04/08/15	JLI	SW8260C	
QA/QC Surrogates										
% 1,2-dichlorobenzene-d4	93				%	1	04/08/15	JLI	70 - 130 %	

Project ID: W 36TH ST., MANHATTAN
Client ID: B2 5-7

Phoenix I.D.: BH92958

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Bromofluorobenzene	90				%	1	04/08/15	JLI	70 - 130 %
% Dibromofluoromethane	98				%	1	04/08/15	JLI	70 - 130 %
% Toluene-d8	92				%	1	04/08/15	JLI	70 - 130 %
Semivolatiles									
Acenaphthene	500		260	110	ug/Kg	1	04/08/15	DD	SW8270D
Acenaphthylene	230	J	260	100	ug/Kg	1	04/08/15	DD	SW8270D
Anthracene	1200		260	120	ug/Kg	1	04/08/15	DD	SW8270D
Benz(a)anthracene	2100		260	120	ug/Kg	1	04/08/15	DD	SW8270D
Benzo(a)pyrene	1700		260	120	ug/Kg	1	04/08/15	DD	SW8270D
Benzo(b)fluoranthene	2100		260	130	ug/Kg	1	04/08/15	DD	SW8270D
Benzo(ghi)perylene	920		260	120	ug/Kg	1	04/08/15	DD	SW8270D
Benzo(k)fluoranthene	810		260	120	ug/Kg	1	04/08/15	DD	SW8270D
Chrysene	2200		260	120	ug/Kg	1	04/08/15	DD	SW8270D
Dibenz(a,h)anthracene	300		260	120	ug/Kg	1	04/08/15	DD	SW8270D
Fluoranthene	3600		260	120	ug/Kg	1	04/08/15	DD	SW8270D
Fluorene	870		260	120	ug/Kg	1	04/08/15	DD	SW8270D
Indeno(1,2,3-cd)pyrene	930		260	120	ug/Kg	1	04/08/15	DD	SW8270D
Naphthalene	970		260	110	ug/Kg	1	04/08/15	DD	SW8270D
Phenanthrene	4700		260	110	ug/Kg	1	04/08/15	DD	SW8270D
Pyrene	2800		260	130	ug/Kg	1	04/08/15	DD	SW8270D
QA/QC Surrogates									
% 2-Fluorobiphenyl	81				%	1	04/08/15	DD	30 - 115 %
% Nitrobenzene-d5	79				%	1	04/08/15	DD	23 - 120 %
% Terphenyl-d14	62				%	1	04/08/15	DD	18 - 137 %

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

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

Comments:

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
April 14, 2015
Reviewed and Released by: Ethan Lee, Project Manager

PHOENIX

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Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

April 14, 2015

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Ridge NY 11961-2406

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Matrix:	SOIL	Collected by:	GS	04/03/15	9:45
Location Code:	EBC	Received by:	LB	04/07/15	15:58
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH92956
Phoenix ID: BH92959

Project ID: W 36TH ST., MANHATTAN
Client ID: B3 0-2

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.35		0.35	0.35	mg/Kg	1	04/09/15	LK	SW6010C
Aluminum	10300		35	7.1	mg/Kg	10	04/09/15	LK	SW6010C
Arsenic	4.3		0.7	0.71	mg/Kg	1	04/09/15	LK	SW6010C
Barium	143	N	0.7	0.35	mg/Kg	1	04/09/15	LK	SW6010C
Beryllium	0.41		0.28	0.14	mg/Kg	1	04/09/15	LK	SW6010C
Calcium	27000		35	33	mg/Kg	10	04/09/15	LK	SW6010C
Cadmium	0.52		0.35	0.14	mg/Kg	1	04/09/15	LK	SW6010C
Cobalt	12.3		0.35	0.35	mg/Kg	1	04/09/15	LK	SW6010C
Chromium	32.1		0.35	0.35	mg/Kg	1	04/09/15	LK	SW6010C
Copper	124		0.35	0.35	mg/kg	1	04/09/15	LK	SW6010C
Iron	29600		35	35	mg/Kg	10	04/09/15	LK	SW6010C
Mercury	0.72		0.03	0.02	mg/Kg	1	04/10/15	RS	SW7471B
Potassium	4520		71	28	mg/Kg	10	04/09/15	LK	SW6010C
Magnesium	8420		35	35	mg/Kg	10	04/09/15	LK	SW6010C
Manganese	312	N	3.5	3.5	mg/Kg	10	04/09/15	LK	SW6010C
Sodium	659		7	3.0	mg/Kg	1	04/09/15	LK	SW6010C
Nickel	30.0		0.35	0.35	mg/Kg	1	04/09/15	LK	SW6010C
Lead	123		0.7	0.35	mg/Kg	1	04/09/15	LK	SW6010C
Antimony	< 1.8		1.8	1.8	mg/Kg	1	04/09/15	LK	SW6010C
Selenium	< 1.4		1.4	1.2	mg/Kg	1	04/09/15	LK	SW6010C
Thallium	< 1.4		1.4	1.4	mg/Kg	1	04/09/15	LK	SW6010C
Vanadium	53.0		0.4	0.35	mg/Kg	1	04/09/15	LK	SW6010C
Zinc	144	N	7.1	3.5	mg/Kg	10	04/09/15	LK	SW6010C
Percent Solid	93				%		04/07/15	i	SW846-%Solid
Soil Extraction for PCB	Completed						04/07/15	CC/H	SW3545A
Mercury Digestion	Completed						04/10/15	I/I	SW7471B
Total Metals Digest	Completed						04/07/15	CB/AG	SW3050B

Project ID: W 36TH ST., MANHATTAN
Client ID: B3 0-2

Phoenix I.D.: BH92959

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Polychlorinated Biphenyls								
PCB-1016	ND	36	36	ug/Kg	2	04/09/15	AW	SW8082A
PCB-1221	ND	36	36	ug/Kg	2	04/09/15	AW	SW8082A
PCB-1232	ND	36	36	ug/Kg	2	04/09/15	AW	SW8082A
PCB-1242	ND	36	36	ug/Kg	2	04/09/15	AW	SW8082A
PCB-1248	ND	36	36	ug/Kg	2	04/09/15	AW	SW8082A
PCB-1254	ND	36	36	ug/Kg	2	04/09/15	AW	SW8082A
PCB-1260	790	36	36	ug/Kg	2	04/09/15	AW	SW8082A
PCB-1262	ND	36	36	ug/Kg	2	04/09/15	AW	SW8082A
PCB-1268	ND	36	36	ug/Kg	2	04/09/15	AW	SW8082A
QA/QC Surrogates								
% DCBP	73			%	2	04/09/15	AW	30 - 150 %
% TCMX	82			%	2	04/09/15	AW	30 - 150 %

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

Comments:

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

PCB Comment:
For PCBs, the continuing calibration standard recoveries were below criteria due to a matrix interference in the samples. Samples were rerun with with similar results. A negative sample bias is suspected.

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Phyllis Shiller, Laboratory Director
April 14, 2015
Reviewed and Released by: Ethan Lee, Project Manager

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

April 14, 2015

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	GS	04/03/15	10:00
Location Code:	EBC	Received by:	LB	04/07/15	15:58
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH92956
Phoenix ID: BH92960

Project ID: W 36TH ST., MANHATTAN
Client ID: B3 3-5

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Percent Solid	92				%		04/07/15	i	SW846-%Solid
Soil Extraction SVOA PAH	Completed						04/07/15	JJ/VH	SW3545A
Field Extraction	Completed						04/03/15		SW5035A
Volatiles									
1,1,1,2-Tetrachloroethane	ND		4.5	0.90	ug/Kg	1	04/08/15	JLI	SW8260C
1,1,1-Trichloroethane	ND		4.5	0.45	ug/Kg	1	04/08/15	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND		4.5	0.90	ug/Kg	1	04/08/15	JLI	SW8260C
1,1,2-Trichloroethane	ND		4.5	0.90	ug/Kg	1	04/08/15	JLI	SW8260C
1,1-Dichloroethane	ND		4.5	0.90	ug/Kg	1	04/08/15	JLI	SW8260C
1,1-Dichloroethene	ND		4.5	0.45	ug/Kg	1	04/08/15	JLI	SW8260C
1,1-Dichloropropene	ND		4.5	0.45	ug/Kg	1	04/08/15	JLI	SW8260C
1,2,3-Trichlorobenzene	ND		4.5	0.90	ug/Kg	1	04/08/15	JLI	SW8260C
1,2,3-Trichloropropane	ND		4.5	0.45	ug/Kg	1	04/08/15	JLI	SW8260C
1,2,4-Trichlorobenzene	ND		4.5	0.90	ug/Kg	1	04/08/15	JLI	SW8260C
1,2,4-Trimethylbenzene	110	J	270	27	ug/Kg	45	04/08/15	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND		4.5	0.90	ug/Kg	1	04/08/15	JLI	SW8260C
1,2-Dibromoethane	ND		4.5	0.45	ug/Kg	1	04/08/15	JLI	SW8260C
1,2-Dichlorobenzene	ND		4.5	0.45	ug/Kg	1	04/08/15	JLI	SW8260C
1,2-Dichloroethane	ND		4.5	0.45	ug/Kg	1	04/08/15	JLI	SW8260C
1,2-Dichloropropane	ND		4.5	0.90	ug/Kg	1	04/08/15	JLI	SW8260C
1,3,5-Trimethylbenzene	30	J	270	27	ug/Kg	45	04/08/15	JLI	SW8260C
1,3-Dichlorobenzene	ND		4.5	0.45	ug/Kg	1	04/08/15	JLI	SW8260C
1,3-Dichloropropane	ND		4.5	0.90	ug/Kg	1	04/08/15	JLI	SW8260C
1,4-Dichlorobenzene	ND		4.5	0.45	ug/Kg	1	04/08/15	JLI	SW8260C
2,2-Dichloropropane	ND		4.5	0.45	ug/Kg	1	04/08/15	JLI	SW8260C
2-Chlorotoluene	ND		4.5	0.90	ug/Kg	1	04/08/15	JLI	SW8260C
2-Hexanone	ND		23	4.5	ug/Kg	1	04/08/15	JLI	SW8260C

Project ID: W 36TH ST., MANHATTAN
Client ID: B3 3-5

Phoenix I.D.: BH92960

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
2-Isopropyltoluene	1.1	J	4.5	0.45	ug/Kg	1	04/08/15	JLI	SW8260C	1
4-Chlorotoluene	ND		4.5	0.45	ug/Kg	1	04/08/15	JLI	SW8260C	
4-Methyl-2-pentanone	ND		23	4.5	ug/Kg	1	04/08/15	JLI	SW8260C	
Acetone	74	S	45	4.5	ug/Kg	1	04/08/15	JLI	SW8260C	
Acrylonitrile	ND		9.0	0.45	ug/Kg	1	04/08/15	JLI	SW8260C	
Benzene	32	J	270	27	ug/Kg	45	04/08/15	JLI	SW8260C	
Bromobenzene	ND		4.5	0.45	ug/Kg	1	04/08/15	JLI	SW8260C	
Bromochloromethane	ND		4.5	0.45	ug/Kg	1	04/08/15	JLI	SW8260C	
Bromodichloromethane	ND		4.5	0.90	ug/Kg	1	04/08/15	JLI	SW8260C	
Bromoform	ND		4.5	0.90	ug/Kg	1	04/08/15	JLI	SW8260C	
Bromomethane	ND		4.5	1.8	ug/Kg	1	04/08/15	JLI	SW8260C	
Carbon Disulfide	2.2	J	4.5	0.90	ug/Kg	1	04/08/15	JLI	SW8260C	
Carbon tetrachloride	ND		4.5	0.90	ug/Kg	1	04/08/15	JLI	SW8260C	
Chlorobenzene	ND		4.5	0.45	ug/Kg	1	04/08/15	JLI	SW8260C	
Chloroethane	ND		4.5	0.45	ug/Kg	1	04/08/15	JLI	SW8260C	
Chloroform	ND		4.5	0.45	ug/Kg	1	04/08/15	JLI	SW8260C	
Chloromethane	ND		4.5	0.90	ug/Kg	1	04/08/15	JLI	SW8260C	
cis-1,2-Dichloroethene	ND		4.5	0.45	ug/Kg	1	04/08/15	JLI	SW8260C	
cis-1,3-Dichloropropene	ND		4.5	0.45	ug/Kg	1	04/08/15	JLI	SW8260C	
Dibromochloromethane	ND		4.5	0.90	ug/Kg	1	04/08/15	JLI	SW8260C	
Dibromomethane	ND		4.5	0.90	ug/Kg	1	04/08/15	JLI	SW8260C	
Dichlorodifluoromethane	ND		4.5	0.45	ug/Kg	1	04/08/15	JLI	SW8260C	
Ethylbenzene	28	J	270	27	ug/Kg	45	04/08/15	JLI	SW8260C	
Hexachlorobutadiene	ND		4.5	0.45	ug/Kg	1	04/08/15	JLI	SW8260C	
Isopropylbenzene	4.1	J	4.5	0.45	ug/Kg	1	04/08/15	JLI	SW8260C	
m&p-Xylene	92	J	270	55	ug/Kg	45	04/08/15	JLI	SW8260C	
Methyl Ethyl Ketone	16	J	27	4.5	ug/Kg	1	04/08/15	JLI	SW8260C	
Methyl t-butyl ether (MTBE)	ND		9.0	0.90	ug/Kg	1	04/08/15	JLI	SW8260C	
Methylene chloride	ND		4.5	4.5	ug/Kg	1	04/08/15	JLI	SW8260C	
Naphthalene	450		270	55	ug/Kg	45	04/08/15	JLI	SW8260C	
n-Butylbenzene	0.83	J	4.5	0.45	ug/Kg	1	04/08/15	JLI	SW8260C	
n-Propylbenzene	2.2	J	4.5	0.81	ug/Kg	1	04/08/15	JLI	SW8260C	
o-Xylene	55	J	270	55	ug/Kg	45	04/08/15	JLI	SW8260C	
p-Isopropyltoluene	2.8	J	4.5	0.45	ug/Kg	1	04/08/15	JLI	SW8260C	
sec-Butylbenzene	4.6		4.5	0.45	ug/Kg	1	04/08/15	JLI	SW8260C	
Styrene	ND		4.5	0.45	ug/Kg	1	04/08/15	JLI	SW8260C	
tert-Butylbenzene	0.53	J	4.5	0.45	ug/Kg	1	04/08/15	JLI	SW8260C	
Tetrachloroethene	ND		4.5	0.90	ug/Kg	1	04/08/15	JLI	SW8260C	
Tetrahydrofuran (THF)	ND		9.0	2.3	ug/Kg	1	04/08/15	JLI	SW8260C	1
Toluene	41	J	270	27	ug/Kg	45	04/08/15	JLI	SW8260C	
trans-1,2-Dichloroethene	ND		4.5	0.45	ug/Kg	1	04/08/15	JLI	SW8260C	
trans-1,3-Dichloropropene	ND		4.5	0.45	ug/Kg	1	04/08/15	JLI	SW8260C	
trans-1,4-dichloro-2-butene	ND		9.0	2.3	ug/Kg	1	04/08/15	JLI	SW8260C	
Trichloroethene	ND		4.5	0.45	ug/Kg	1	04/08/15	JLI	SW8260C	
Trichlorofluoromethane	ND		4.5	0.90	ug/Kg	1	04/08/15	JLI	SW8260C	
Trichlorotrifluoroethane	ND		4.5	0.45	ug/Kg	1	04/08/15	JLI	SW8260C	
Vinyl chloride	ND		4.5	0.45	ug/Kg	1	04/08/15	JLI	SW8260C	
QA/QC Surrogates										
% 1,2-dichlorobenzene-d4	102				%	1	04/08/15	JLI	70 - 130 %	

Project ID: W 36TH ST., MANHATTAN
Client ID: B3 3-5

Phoenix I.D.: BH92960

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Bromofluorobenzene	92			%	1	04/08/15	JLI	70 - 130 %
% Dibromofluoromethane	100			%	1	04/08/15	JLI	70 - 130 %
% Toluene-d8	93			%	1	04/08/15	JLI	70 - 130 %
Semivolatiles								
Acenaphthene	780	250	110	ug/Kg	1	04/08/15	DD	SW8270D
Acenaphthylene	470	250	99	ug/Kg	1	04/08/15	DD	SW8270D
Anthracene	1100	250	120	ug/Kg	1	04/08/15	DD	SW8270D
Benz(a)anthracene	2100	250	120	ug/Kg	1	04/08/15	DD	SW8270D
Benzo(a)pyrene	1800	250	120	ug/Kg	1	04/08/15	DD	SW8270D
Benzo(b)fluoranthene	2300	250	120	ug/Kg	1	04/08/15	DD	SW8270D
Benzo(ghi)perylene	1000	250	120	ug/Kg	1	04/08/15	DD	SW8270D
Benzo(k)fluoranthene	840	250	120	ug/Kg	1	04/08/15	DD	SW8270D
Chrysene	2200	250	120	ug/Kg	1	04/08/15	DD	SW8270D
Dibenz(a,h)anthracene	330	250	120	ug/Kg	1	04/08/15	DD	SW8270D
Fluoranthene	3200	250	120	ug/Kg	1	04/08/15	DD	SW8270D
Fluorene	1500	250	120	ug/Kg	1	04/08/15	DD	SW8270D
Indeno(1,2,3-cd)pyrene	1000	250	120	ug/Kg	1	04/08/15	DD	SW8270D
Naphthalene	3200	250	100	ug/Kg	1	04/08/15	DD	SW8270D
Phenanthrene	4600	500	200	ug/Kg	2	04/08/15	DD	SW8270D
Pyrene	2700	250	120	ug/Kg	1	04/08/15	DD	SW8270D
QA/QC Surrogates								
% 2-Fluorobiphenyl	76			%	1	04/08/15	DD	30 - 115 %
% Nitrobenzene-d5	75			%	1	04/08/15	DD	23 - 120 %
% Terphenyl-d14	55			%	1	04/08/15	DD	18 - 137 %

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

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

Comments:

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
April 14, 2015
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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

April 14, 2015

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	GS	04/03/15	10:15
Location Code:	EBC	Received by:	LB	04/07/15	15:58
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH92956
Phoenix ID: BH92961

Project ID: W 36TH ST., MANHATTAN
Client ID: B4 0-2

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.36		0.36	0.36	mg/Kg	1	04/09/15	LK	SW6010C
Aluminum	7050		36	7.1	mg/Kg	10	04/09/15	LK	SW6010C
Arsenic	3.4		0.7	0.71	mg/Kg	1	04/09/15	LK	SW6010C
Barium	96.5	N	0.7	0.36	mg/Kg	1	04/09/15	LK	SW6010C
Beryllium	0.31		0.28	0.14	mg/Kg	1	04/09/15	LK	SW6010C
Calcium	71200		36	33	mg/Kg	10	04/09/15	LK	SW6010C
Cadmium	< 0.36		0.36	0.14	mg/Kg	1	04/09/15	LK	SW6010C
Cobalt	5.57		0.36	0.36	mg/Kg	1	04/09/15	LK	SW6010C
Chromium	17.6		0.36	0.36	mg/Kg	1	04/09/15	LK	SW6010C
Copper	27.1		0.36	0.36	mg/kg	1	04/09/15	LK	SW6010C
Iron	11900		36	36	mg/Kg	10	04/09/15	LK	SW6010C
Mercury	0.44		0.03	0.02	mg/Kg	1	04/10/15	RS	SW7471B
Potassium	1880		7	2.8	mg/Kg	1	04/09/15	LK	SW6010C
Magnesium	17900		36	36	mg/Kg	10	04/09/15	LK	SW6010C
Manganese	211	N	3.6	3.6	mg/Kg	10	04/09/15	LK	SW6010C
Sodium	484		7	3.1	mg/Kg	1	04/09/15	LK	SW6010C
Nickel	14.4		0.36	0.36	mg/Kg	1	04/09/15	LK	SW6010C
Lead	49.0		0.7	0.36	mg/Kg	1	04/09/15	LK	SW6010C
Antimony	< 1.8		1.8	1.8	mg/Kg	1	04/09/15	LK	SW6010C
Selenium	< 1.4		1.4	1.2	mg/Kg	1	04/09/15	LK	SW6010C
Thallium	< 1.4		1.4	1.4	mg/Kg	1	04/09/15	LK	SW6010C
Vanadium	28.3		0.4	0.36	mg/Kg	1	04/09/15	LK	SW6010C
Zinc	59.0	N	0.7	0.36	mg/Kg	1	04/09/15	LK	SW6010C
Percent Solid	88				%		04/07/15	i	SW846-%Solid
Soil Extraction for PCB	Completed						04/07/15	CC/H	SW3545A
Mercury Digestion	Completed						04/10/15	I/I	SW7471B
Total Metals Digest	Completed						04/07/15	CB/AG	SW3050B

Project ID: W 36TH ST., MANHATTAN
Client ID: B4 0-2

Phoenix I.D.: BH92961

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Polychlorinated Biphenyls								
PCB-1016	ND	38	38	ug/Kg	2	04/08/15	AW	SW8082A
PCB-1221	ND	38	38	ug/Kg	2	04/08/15	AW	SW8082A
PCB-1232	ND	38	38	ug/Kg	2	04/08/15	AW	SW8082A
PCB-1242	ND	38	38	ug/Kg	2	04/08/15	AW	SW8082A
PCB-1248	ND	38	38	ug/Kg	2	04/08/15	AW	SW8082A
PCB-1254	ND	38	38	ug/Kg	2	04/08/15	AW	SW8082A
PCB-1260	ND	38	38	ug/Kg	2	04/08/15	AW	SW8082A
PCB-1262	ND	38	38	ug/Kg	2	04/08/15	AW	SW8082A
PCB-1268	ND	38	38	ug/Kg	2	04/08/15	AW	SW8082A
QA/QC Surrogates								
% DCBP	61			%	2	04/08/15	AW	30 - 150 %
% TCMX	73			%	2	04/08/15	AW	30 - 150 %

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

Comments:

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
April 14, 2015
Reviewed and Released by: Ethan Lee, Project Manager

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

April 14, 2015

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	GS	04/03/15	10:30
Location Code:	EBC	Received by:	LB	04/07/15	15:58
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH92956
Phoenix ID: BH92962

Project ID: W 36TH ST., MANHATTAN
Client ID: B4 3-5

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Percent Solid	92			%		04/07/15	i	SW846-%Solid
Soil Extraction SVOA PAH	Completed					04/07/15	JJ/VH	SW3545A
Field Extraction	Completed					04/03/15		SW5035A
Volatiles								
1,1,1,2-Tetrachloroethane	ND	4.9	0.99	ug/Kg	1	04/08/15	JLI	SW8260C
1,1,1-Trichloroethane	ND	4.9	0.49	ug/Kg	1	04/08/15	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	4.9	0.99	ug/Kg	1	04/08/15	JLI	SW8260C
1,1,2-Trichloroethane	ND	4.9	0.99	ug/Kg	1	04/08/15	JLI	SW8260C
1,1-Dichloroethane	ND	4.9	0.99	ug/Kg	1	04/08/15	JLI	SW8260C
1,1-Dichloroethene	ND	4.9	0.49	ug/Kg	1	04/08/15	JLI	SW8260C
1,1-Dichloropropene	ND	4.9	0.49	ug/Kg	1	04/08/15	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	4.9	0.99	ug/Kg	1	04/08/15	JLI	SW8260C
1,2,3-Trichloropropane	ND	4.9	0.49	ug/Kg	1	04/08/15	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	4.9	0.99	ug/Kg	1	04/08/15	JLI	SW8260C
1,2,4-Trimethylbenzene	750	270	27	ug/Kg	45	04/08/15	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	4.9	0.99	ug/Kg	1	04/08/15	JLI	SW8260C
1,2-Dibromoethane	ND	4.9	0.49	ug/Kg	1	04/08/15	JLI	SW8260C
1,2-Dichlorobenzene	ND	4.9	0.49	ug/Kg	1	04/08/15	JLI	SW8260C
1,2-Dichloroethane	ND	4.9	0.49	ug/Kg	1	04/08/15	JLI	SW8260C
1,2-Dichloropropane	ND	4.9	0.99	ug/Kg	1	04/08/15	JLI	SW8260C
1,3,5-Trimethylbenzene	320	270	27	ug/Kg	45	04/08/15	JLI	SW8260C
1,3-Dichlorobenzene	ND	4.9	0.49	ug/Kg	1	04/08/15	JLI	SW8260C
1,3-Dichloropropane	ND	4.9	0.99	ug/Kg	1	04/08/15	JLI	SW8260C
1,4-Dichlorobenzene	ND	4.9	0.49	ug/Kg	1	04/08/15	JLI	SW8260C
2,2-Dichloropropane	ND	4.9	0.49	ug/Kg	1	04/08/15	JLI	SW8260C
2-Chlorotoluene	ND	4.9	0.99	ug/Kg	1	04/08/15	JLI	SW8260C
2-Hexanone	ND	25	4.9	ug/Kg	1	04/08/15	JLI	SW8260C

Project ID: W 36TH ST., MANHATTAN
Client ID: B4 3-5

Phoenix I.D.: BH92962

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
2-Isopropyltoluene	1.2	J	4.9	0.49	ug/Kg	1	04/08/15	JLI	SW8260C	1
4-Chlorotoluene	ND		4.9	0.49	ug/Kg	1	04/08/15	JLI	SW8260C	
4-Methyl-2-pentanone	ND		25	4.9	ug/Kg	1	04/08/15	JLI	SW8260C	
Acetone	28	JS	49	4.9	ug/Kg	1	04/08/15	JLI	SW8260C	
Acrylonitrile	ND		9.9	0.49	ug/Kg	1	04/08/15	JLI	SW8260C	
Benzene	1.6	J	4.9	0.49	ug/Kg	1	04/08/15	JLI	SW8260C	
Bromobenzene	ND		4.9	0.49	ug/Kg	1	04/08/15	JLI	SW8260C	
Bromochloromethane	ND		4.9	0.49	ug/Kg	1	04/08/15	JLI	SW8260C	
Bromodichloromethane	ND		4.9	0.99	ug/Kg	1	04/08/15	JLI	SW8260C	
Bromoform	ND		4.9	0.99	ug/Kg	1	04/08/15	JLI	SW8260C	
Bromomethane	ND		4.9	2.0	ug/Kg	1	04/08/15	JLI	SW8260C	
Carbon Disulfide	4.6	J	4.9	0.99	ug/Kg	1	04/08/15	JLI	SW8260C	
Carbon tetrachloride	ND		4.9	0.99	ug/Kg	1	04/08/15	JLI	SW8260C	
Chlorobenzene	ND		4.9	0.49	ug/Kg	1	04/08/15	JLI	SW8260C	
Chloroethane	ND		4.9	0.49	ug/Kg	1	04/08/15	JLI	SW8260C	
Chloroform	ND		4.9	0.49	ug/Kg	1	04/08/15	JLI	SW8260C	
Chloromethane	ND		4.9	0.99	ug/Kg	1	04/08/15	JLI	SW8260C	
cis-1,2-Dichloroethene	ND		4.9	0.49	ug/Kg	1	04/08/15	JLI	SW8260C	
cis-1,3-Dichloropropene	ND		4.9	0.49	ug/Kg	1	04/08/15	JLI	SW8260C	
Dibromochloromethane	ND		4.9	0.99	ug/Kg	1	04/08/15	JLI	SW8260C	
Dibromomethane	ND		4.9	0.99	ug/Kg	1	04/08/15	JLI	SW8260C	
Dichlorodifluoromethane	ND		4.9	0.49	ug/Kg	1	04/08/15	JLI	SW8260C	
Ethylbenzene	42	J	270	27	ug/Kg	45	04/08/15	JLI	SW8260C	
Hexachlorobutadiene	ND		4.9	0.49	ug/Kg	1	04/08/15	JLI	SW8260C	
Isopropylbenzene	3.0	J	4.9	0.49	ug/Kg	1	04/08/15	JLI	SW8260C	
m&p-Xylene	200	J	270	55	ug/Kg	45	04/08/15	JLI	SW8260C	
Methyl Ethyl Ketone	6.1	J	30	4.9	ug/Kg	1	04/08/15	JLI	SW8260C	
Methyl t-butyl ether (MTBE)	ND		9.9	0.99	ug/Kg	1	04/08/15	JLI	SW8260C	
Methylene chloride	ND		4.9	4.9	ug/Kg	1	04/08/15	JLI	SW8260C	
Naphthalene	1100		270	55	ug/Kg	45	04/08/15	JLI	SW8260C	
n-Butylbenzene	71	J	270	27	ug/Kg	45	04/08/15	JLI	SW8260C	
n-Propylbenzene	56	J	270	49	ug/Kg	45	04/08/15	JLI	SW8260C	
o-Xylene	150	J	270	55	ug/Kg	45	04/08/15	JLI	SW8260C	
p-Isopropyltoluene	85	J	270	27	ug/Kg	45	04/08/15	JLI	SW8260C	
sec-Butylbenzene	51	J	270	27	ug/Kg	45	04/08/15	JLI	SW8260C	
Styrene	ND		4.9	0.49	ug/Kg	1	04/08/15	JLI	SW8260C	
tert-Butylbenzene	ND		4.9	0.49	ug/Kg	1	04/08/15	JLI	SW8260C	
Tetrachloroethene	ND		4.9	0.99	ug/Kg	1	04/08/15	JLI	SW8260C	
Tetrahydrofuran (THF)	ND		9.9	2.5	ug/Kg	1	04/08/15	JLI	SW8260C	1
Toluene	110	J	270	27	ug/Kg	45	04/08/15	JLI	SW8260C	
trans-1,2-Dichloroethene	ND		4.9	0.49	ug/Kg	1	04/08/15	JLI	SW8260C	
trans-1,3-Dichloropropene	ND		4.9	0.49	ug/Kg	1	04/08/15	JLI	SW8260C	
trans-1,4-dichloro-2-butene	ND		9.9	2.5	ug/Kg	1	04/08/15	JLI	SW8260C	
Trichloroethene	ND		4.9	0.49	ug/Kg	1	04/08/15	JLI	SW8260C	
Trichlorofluoromethane	ND		4.9	0.99	ug/Kg	1	04/08/15	JLI	SW8260C	
Trichlorotrifluoroethane	ND		4.9	0.49	ug/Kg	1	04/08/15	JLI	SW8260C	
Vinyl chloride	ND		4.9	0.49	ug/Kg	1	04/08/15	JLI	SW8260C	
QA/QC Surrogates										
% 1,2-dichlorobenzene-d4	98				%	1	04/08/15	JLI	70 - 130 %	

Project ID: W 36TH ST., MANHATTAN
Client ID: B4 3-5

Phoenix I.D.: BH92962

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Bromofluorobenzene	88				%	1	04/08/15	JLI	70 - 130 %
% Dibromofluoromethane	88				%	1	04/08/15	JLI	70 - 130 %
% Toluene-d8	89				%	1	04/08/15	JLI	70 - 130 %
Semivolatiles									
Acenaphthene	ND		2500	1100	ug/Kg	2	04/08/15	DD	SW8270D
Acenaphthylene	ND		2500	1000	ug/Kg	2	04/08/15	DD	SW8270D
Anthracene	ND		2500	1200	ug/Kg	2	04/08/15	DD	SW8270D
Benz(a)anthracene	ND		2500	1200	ug/Kg	2	04/08/15	DD	SW8270D
Benzo(a)pyrene	ND		2500	1200	ug/Kg	2	04/08/15	DD	SW8270D
Benzo(b)fluoranthene	ND		2500	1200	ug/Kg	2	04/08/15	DD	SW8270D
Benzo(ghi)perylene	ND		2500	1200	ug/Kg	2	04/08/15	DD	SW8270D
Benzo(k)fluoranthene	ND		2500	1200	ug/Kg	2	04/08/15	DD	SW8270D
Chrysene	ND		2500	1200	ug/Kg	2	04/08/15	DD	SW8270D
Dibenz(a,h)anthracene	ND		2500	1200	ug/Kg	2	04/08/15	DD	SW8270D
Fluoranthene	ND		2500	1200	ug/Kg	2	04/08/15	DD	SW8270D
Fluorene	ND		2500	1200	ug/Kg	2	04/08/15	DD	SW8270D
Indeno(1,2,3-cd)pyrene	ND		2500	1200	ug/Kg	2	04/08/15	DD	SW8270D
Naphthalene	ND		2500	1000	ug/Kg	2	04/08/15	DD	SW8270D
Phenanthrene	1500	J	2500	1000	ug/Kg	2	04/08/15	DD	SW8270D
Pyrene	ND		2500	1200	ug/Kg	2	04/08/15	DD	SW8270D
QA/QC Surrogates									
% 2-Fluorobiphenyl	74				%	2	04/08/15	DD	30 - 115 %
% Nitrobenzene-d5	80				%	2	04/08/15	DD	23 - 120 %
% Terphenyl-d14	50				%	2	04/08/15	DD	18 - 137 %

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

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

Comments:

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

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
April 14, 2015
Reviewed and Released by: Ethan Lee, Project Manager

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

April 14, 2015

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	GS	04/03/15	10:45
Location Code:	EBC	Received by:	LB	04/07/15	15:58
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH92956
Phoenix ID: BH92963

Project ID: W 36TH ST., MANHATTAN
Client ID: B7 0-2

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.38		0.38	0.38	mg/Kg	1	04/09/15	LK	SW6010C
Aluminum	8420		38	7.7	mg/Kg	10	04/09/15	LK	SW6010C
Arsenic	11.5		0.8	0.77	mg/Kg	1	04/09/15	LK	SW6010C
Barium	191	N	0.8	0.38	mg/Kg	1	04/09/15	LK	SW6010C
Beryllium	0.37		0.31	0.15	mg/Kg	1	04/09/15	LK	SW6010C
Calcium	41000		38	35	mg/Kg	10	04/09/15	LK	SW6010C
Cadmium	1.55		0.38	0.15	mg/Kg	1	04/09/15	LK	SW6010C
Cobalt	10.1		0.38	0.38	mg/Kg	1	04/09/15	LK	SW6010C
Chromium	39.1		0.38	0.38	mg/Kg	1	04/09/15	LK	SW6010C
Copper	170		3.8	3.8	mg/kg	10	04/09/15	LK	SW6010C
Iron	33900		38	38	mg/Kg	10	04/09/15	LK	SW6010C
Mercury	0.19		0.03	0.02	mg/Kg	1	04/10/15	RS	SW7471B
Potassium	2610		8	3.0	mg/Kg	1	04/09/15	LK	SW6010C
Magnesium	6460		38	38	mg/Kg	10	04/09/15	LK	SW6010C
Manganese	392	N	3.8	3.8	mg/Kg	10	04/09/15	LK	SW6010C
Sodium	549		8	3.3	mg/Kg	1	04/09/15	LK	SW6010C
Nickel	32.0		0.38	0.38	mg/Kg	1	04/09/15	LK	SW6010C
Lead	142		0.8	0.38	mg/Kg	1	04/09/15	LK	SW6010C
Antimony	< 1.9		1.9	1.9	mg/Kg	1	04/09/15	LK	SW6010C
Selenium	< 1.5		1.5	1.3	mg/Kg	1	04/09/15	LK	SW6010C
Thallium	< 1.5		1.5	1.5	mg/Kg	1	04/09/15	LK	SW6010C
Vanadium	35.3		0.4	0.38	mg/Kg	1	04/09/15	LK	SW6010C
Zinc	129	N	0.8	0.38	mg/Kg	1	04/09/15	LK	SW6010C
Percent Solid	89				%		04/07/15	i	SW846-%Solid
Soil Extraction for PCB	Completed						04/07/15	CC/H	SW3545A
Mercury Digestion	Completed						04/10/15	I/I	SW7471B
Total Metals Digest	Completed						04/07/15	CB/AG	SW3050B

Project ID: W 36TH ST., MANHATTAN
Client ID: B7 0-2

Phoenix I.D.: BH92963

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Polychlorinated Biphenyls								
PCB-1016	ND	36	36	ug/Kg	2	04/08/15	AW	SW8082A
PCB-1221	ND	36	36	ug/Kg	2	04/08/15	AW	SW8082A
PCB-1232	ND	36	36	ug/Kg	2	04/08/15	AW	SW8082A
PCB-1242	ND	36	36	ug/Kg	2	04/08/15	AW	SW8082A
PCB-1248	ND	36	36	ug/Kg	2	04/08/15	AW	SW8082A
PCB-1254	ND	36	36	ug/Kg	2	04/08/15	AW	SW8082A
PCB-1260	410	36	36	ug/Kg	2	04/08/15	AW	SW8082A
PCB-1262	ND	36	36	ug/Kg	2	04/08/15	AW	SW8082A
PCB-1268	ND	36	36	ug/Kg	2	04/08/15	AW	SW8082A
QA/QC Surrogates								
% DCBP	62			%	2	04/08/15	AW	30 - 150 %
% TCMX	69			%	2	04/08/15	AW	30 - 150 %

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

Comments:

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
April 14, 2015
Reviewed and Released by: Ethan Lee, Project Manager

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

April 14, 2015

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	GS	04/03/15	11:00
Location Code:	EBC	Received by:	LB	04/07/15	15:58
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH92956
Phoenix ID: BH92964

Project ID: W 36TH ST., MANHATTAN
Client ID: B7 3-5

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Percent Solid	93				%		04/07/15	i	SW846-%Solid
Soil Extraction SVOA PAH	Completed						04/07/15	JJ/VH	SW3545A
Field Extraction	Completed						04/03/15		SW5035A
Volatiles									
1,1,1,2-Tetrachloroethane	ND		4.6	0.92	ug/Kg	1	04/08/15	JLI	SW8260C
1,1,1-Trichloroethane	ND		4.6	0.46	ug/Kg	1	04/08/15	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND		4.6	0.92	ug/Kg	1	04/08/15	JLI	SW8260C
1,1,2-Trichloroethane	ND		4.6	0.92	ug/Kg	1	04/08/15	JLI	SW8260C
1,1-Dichloroethane	ND		4.6	0.92	ug/Kg	1	04/08/15	JLI	SW8260C
1,1-Dichloroethene	ND		4.6	0.46	ug/Kg	1	04/08/15	JLI	SW8260C
1,1-Dichloropropene	ND		4.6	0.46	ug/Kg	1	04/08/15	JLI	SW8260C
1,2,3-Trichlorobenzene	ND		4.6	0.92	ug/Kg	1	04/08/15	JLI	SW8260C
1,2,3-Trichloropropane	ND		4.6	0.46	ug/Kg	1	04/08/15	JLI	SW8260C
1,2,4-Trichlorobenzene	ND		4.6	0.92	ug/Kg	1	04/08/15	JLI	SW8260C
1,2,4-Trimethylbenzene	140	J	280	28	ug/Kg	36	04/08/15	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND		4.6	0.92	ug/Kg	1	04/08/15	JLI	SW8260C
1,2-Dibromoethane	ND		4.6	0.46	ug/Kg	1	04/08/15	JLI	SW8260C
1,2-Dichlorobenzene	ND		4.6	0.46	ug/Kg	1	04/08/15	JLI	SW8260C
1,2-Dichloroethane	ND		4.6	0.46	ug/Kg	1	04/08/15	JLI	SW8260C
1,2-Dichloropropane	ND		4.6	0.92	ug/Kg	1	04/08/15	JLI	SW8260C
1,3,5-Trimethylbenzene	45	J	280	28	ug/Kg	36	04/08/15	JLI	SW8260C
1,3-Dichlorobenzene	ND		4.6	0.46	ug/Kg	1	04/08/15	JLI	SW8260C
1,3-Dichloropropane	ND		4.6	0.92	ug/Kg	1	04/08/15	JLI	SW8260C
1,4-Dichlorobenzene	ND		4.6	0.46	ug/Kg	1	04/08/15	JLI	SW8260C
2,2-Dichloropropane	ND		4.6	0.46	ug/Kg	1	04/08/15	JLI	SW8260C
2-Chlorotoluene	ND		4.6	0.92	ug/Kg	1	04/08/15	JLI	SW8260C
2-Hexanone	ND		23	4.6	ug/Kg	1	04/08/15	JLI	SW8260C

Project ID: W 36TH ST., MANHATTAN
Client ID: B7 3-5

Phoenix I.D.: BH92964

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
2-Isopropyltoluene	ND		4.6	0.46	ug/Kg	1	04/08/15	JLI	SW8260C	1
4-Chlorotoluene	ND		4.6	0.46	ug/Kg	1	04/08/15	JLI	SW8260C	
4-Methyl-2-pentanone	ND		23	4.6	ug/Kg	1	04/08/15	JLI	SW8260C	
Acetone	52	S	46	4.6	ug/Kg	1	04/08/15	JLI	SW8260C	
Acrylonitrile	ND		9.2	0.46	ug/Kg	1	04/08/15	JLI	SW8260C	
Benzene	85	J	280	28	ug/Kg	36	04/08/15	JLI	SW8260C	
Bromobenzene	ND		4.6	0.46	ug/Kg	1	04/08/15	JLI	SW8260C	
Bromochloromethane	ND		4.6	0.46	ug/Kg	1	04/08/15	JLI	SW8260C	
Bromodichloromethane	ND		4.6	0.92	ug/Kg	1	04/08/15	JLI	SW8260C	
Bromoform	ND		4.6	0.92	ug/Kg	1	04/08/15	JLI	SW8260C	
Bromomethane	ND		4.6	1.8	ug/Kg	1	04/08/15	JLI	SW8260C	
Carbon Disulfide	13		4.6	0.92	ug/Kg	1	04/08/15	JLI	SW8260C	
Carbon tetrachloride	ND		4.6	0.92	ug/Kg	1	04/08/15	JLI	SW8260C	
Chlorobenzene	ND		4.6	0.46	ug/Kg	1	04/08/15	JLI	SW8260C	
Chloroethane	ND		4.6	0.46	ug/Kg	1	04/08/15	JLI	SW8260C	
Chloroform	ND		4.6	0.46	ug/Kg	1	04/08/15	JLI	SW8260C	
Chloromethane	ND		4.6	0.92	ug/Kg	1	04/08/15	JLI	SW8260C	
cis-1,2-Dichloroethene	ND		4.6	0.46	ug/Kg	1	04/08/15	JLI	SW8260C	
cis-1,3-Dichloropropene	ND		4.6	0.46	ug/Kg	1	04/08/15	JLI	SW8260C	
Dibromochloromethane	ND		4.6	0.92	ug/Kg	1	04/08/15	JLI	SW8260C	
Dibromomethane	ND		4.6	0.92	ug/Kg	1	04/08/15	JLI	SW8260C	
Dichlorodifluoromethane	ND		4.6	0.46	ug/Kg	1	04/08/15	JLI	SW8260C	
Ethylbenzene	37	J	280	28	ug/Kg	36	04/08/15	JLI	SW8260C	
Hexachlorobutadiene	ND		4.6	0.46	ug/Kg	1	04/08/15	JLI	SW8260C	
Isopropylbenzene	ND		4.6	0.46	ug/Kg	1	04/08/15	JLI	SW8260C	
m&p-Xylene	170	J	280	56	ug/Kg	36	04/08/15	JLI	SW8260C	
Methyl Ethyl Ketone	8.3	J	28	4.6	ug/Kg	1	04/08/15	JLI	SW8260C	
Methyl t-butyl ether (MTBE)	ND		9.2	0.92	ug/Kg	1	04/08/15	JLI	SW8260C	
Methylene chloride	ND		4.6	4.6	ug/Kg	1	04/08/15	JLI	SW8260C	
Naphthalene	1000		280	56	ug/Kg	36	04/08/15	JLI	SW8260C	
n-Butylbenzene	ND		4.6	0.46	ug/Kg	1	04/08/15	JLI	SW8260C	
n-Propylbenzene	ND		4.6	0.83	ug/Kg	1	04/08/15	JLI	SW8260C	
o-Xylene	1.4	J	4.6	0.92	ug/Kg	1	04/08/15	JLI	SW8260C	
p-Isopropyltoluene	34	J	280	28	ug/Kg	36	04/08/15	JLI	SW8260C	
sec-Butylbenzene	ND		4.6	0.46	ug/Kg	1	04/08/15	JLI	SW8260C	
Styrene	ND		4.6	0.46	ug/Kg	1	04/08/15	JLI	SW8260C	
tert-Butylbenzene	ND		4.6	0.46	ug/Kg	1	04/08/15	JLI	SW8260C	
Tetrachloroethene	ND		4.6	0.92	ug/Kg	1	04/08/15	JLI	SW8260C	
Tetrahydrofuran (THF)	ND		9.2	2.3	ug/Kg	1	04/08/15	JLI	SW8260C	1
Toluene	82	J	280	28	ug/Kg	36	04/08/15	JLI	SW8260C	
trans-1,2-Dichloroethene	ND		4.6	0.46	ug/Kg	1	04/08/15	JLI	SW8260C	
trans-1,3-Dichloropropene	ND		4.6	0.46	ug/Kg	1	04/08/15	JLI	SW8260C	
trans-1,4-dichloro-2-butene	ND		9.2	2.3	ug/Kg	1	04/08/15	JLI	SW8260C	
Trichloroethene	ND		4.6	0.46	ug/Kg	1	04/08/15	JLI	SW8260C	
Trichlorofluoromethane	ND		4.6	0.92	ug/Kg	1	04/08/15	JLI	SW8260C	
Trichlorotrifluoroethane	ND		4.6	0.46	ug/Kg	1	04/08/15	JLI	SW8260C	
Vinyl chloride	ND		4.6	0.46	ug/Kg	1	04/08/15	JLI	SW8260C	
QA/QC Surrogates										
% 1,2-dichlorobenzene-d4	99				%	1	04/08/15	JLI	70 - 130 %	

Project ID: W 36TH ST., MANHATTAN
Client ID: B7 3-5

Phoenix I.D.: BH92964

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Bromofluorobenzene	92				%	1	04/08/15	JLI	70 - 130 %
% Dibromofluoromethane	80				%	1	04/08/15	JLI	70 - 130 %
% Toluene-d8	93				%	1	04/08/15	JLI	70 - 130 %
Semivolatiles									
Acenaphthene	250		250	110	ug/Kg	1	04/08/15	DD	SW8270D
Acenaphthylene	150	J	250	99	ug/Kg	1	04/08/15	DD	SW8270D
Anthracene	590		250	120	ug/Kg	1	04/08/15	DD	SW8270D
Benz(a)anthracene	1200		250	120	ug/Kg	1	04/08/15	DD	SW8270D
Benzo(a)pyrene	830		250	120	ug/Kg	1	04/08/15	DD	SW8270D
Benzo(b)fluoranthene	1100		250	120	ug/Kg	1	04/08/15	DD	SW8270D
Benzo(ghi)perylene	550		250	120	ug/Kg	1	04/08/15	DD	SW8270D
Benzo(k)fluoranthene	410		250	120	ug/Kg	1	04/08/15	DD	SW8270D
Chrysene	1200		250	120	ug/Kg	1	04/08/15	DD	SW8270D
Dibenz(a,h)anthracene	150	J	250	120	ug/Kg	1	04/08/15	DD	SW8270D
Fluoranthene	1600		250	120	ug/Kg	1	04/08/15	DD	SW8270D
Fluorene	470		250	120	ug/Kg	1	04/08/15	DD	SW8270D
Indeno(1,2,3-cd)pyrene	480		250	120	ug/Kg	1	04/08/15	DD	SW8270D
Naphthalene	ND		250	100	ug/Kg	1	04/08/15	DD	SW8270D
Phenanthrene	2500		250	100	ug/Kg	1	04/08/15	DD	SW8270D
Pyrene	1200		250	120	ug/Kg	1	04/08/15	DD	SW8270D
QA/QC Surrogates									
% 2-Fluorobiphenyl	90				%	1	04/08/15	DD	30 - 115 %
% Nitrobenzene-d5	90				%	1	04/08/15	DD	23 - 120 %
% Terphenyl-d14	52				%	1	04/08/15	DD	18 - 137 %

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

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

Comments:

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
April 14, 2015
Reviewed and Released by: Ethan Lee, Project Manager

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

April 14, 2015

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	GS	04/03/15	11:15
Location Code:	EBC	Received by:	LB	04/07/15	15:58
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH92956
Phoenix ID: BH92965

Project ID: W 36TH ST., MANHATTAN
Client ID: B8 0-2

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.32		0.32	0.32	mg/Kg	1	04/09/15	LK	SW6010C
Aluminum	7990		32	6.4	mg/Kg	10	04/09/15	LK	SW6010C
Arsenic	2.4		0.6	0.64	mg/Kg	1	04/09/15	LK	SW6010C
Barium	72.0	N	0.6	0.32	mg/Kg	1	04/09/15	LK	SW6010C
Beryllium	0.24	B	0.26	0.13	mg/Kg	1	04/09/15	LK	SW6010C
Calcium	40700		32	29	mg/Kg	10	04/09/15	LK	SW6010C
Cadmium	0.26	B	0.32	0.13	mg/Kg	1	04/09/15	LK	SW6010C
Cobalt	7.95		0.32	0.32	mg/Kg	1	04/09/15	LK	SW6010C
Chromium	19.4		0.32	0.32	mg/Kg	1	04/09/15	LK	SW6010C
Copper	80.0		0.32	0.32	mg/kg	1	04/09/15	LK	SW6010C
Iron	20300		32	32	mg/Kg	10	04/09/15	LK	SW6010C
Mercury	0.30		0.03	0.02	mg/Kg	1	04/10/15	RS	SW7471B
Potassium	2640		6	2.5	mg/Kg	1	04/09/15	LK	SW6010C
Magnesium	21900		32	32	mg/Kg	10	04/09/15	LK	SW6010C
Manganese	235	N	3.2	3.2	mg/Kg	10	04/09/15	LK	SW6010C
Sodium	876		6	2.8	mg/Kg	1	04/09/15	LK	SW6010C
Nickel	17.0		0.32	0.32	mg/Kg	1	04/09/15	LK	SW6010C
Lead	54.9		0.6	0.32	mg/Kg	1	04/09/15	LK	SW6010C
Antimony	< 1.6		1.6	1.6	mg/Kg	1	04/09/15	LK	SW6010C
Selenium	< 1.3		1.3	1.1	mg/Kg	1	04/09/15	LK	SW6010C
Thallium	< 1.3		1.3	1.3	mg/Kg	1	04/09/15	LK	SW6010C
Vanadium	60.7		0.3	0.32	mg/Kg	1	04/09/15	LK	SW6010C
Zinc	63.4	N	0.6	0.32	mg/Kg	1	04/09/15	LK	SW6010C
Percent Solid	94				%		04/07/15	i	SW846-%Solid
Soil Extraction for PCB	Completed						04/07/15	CC/H	SW3545A
Mercury Digestion	Completed						04/10/15	I/I	SW7471B
Total Metals Digest	Completed						04/07/15	CB/AG	SW3050B

Project ID: W 36TH ST., MANHATTAN
Client ID: B8 0-2

Phoenix I.D.: BH92965

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Polychlorinated Biphenyls								
PCB-1016	ND	35	35	ug/Kg	2	04/09/15	AW	SW8082A
PCB-1221	ND	35	35	ug/Kg	2	04/09/15	AW	SW8082A
PCB-1232	ND	35	35	ug/Kg	2	04/09/15	AW	SW8082A
PCB-1242	ND	35	35	ug/Kg	2	04/09/15	AW	SW8082A
PCB-1248	ND	35	35	ug/Kg	2	04/09/15	AW	SW8082A
PCB-1254	ND	35	35	ug/Kg	2	04/09/15	AW	SW8082A
PCB-1260	750	35	35	ug/Kg	2	04/09/15	AW	SW8082A
PCB-1262	ND	35	35	ug/Kg	2	04/09/15	AW	SW8082A
PCB-1268	ND	35	35	ug/Kg	2	04/09/15	AW	SW8082A
QA/QC Surrogates								
% DCBP	66			%	2	04/09/15	AW	30 - 150 %
% TCMX	75			%	2	04/09/15	AW	30 - 150 %

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

Comments:

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

PCB Comment:
For PCBs, the continuing calibration standard recoveries were below criteria due to a matrix interference in the samples. Samples were rerun with with similar results. A negative sample bias is suspected.

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

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Phyllis Shiller, Laboratory Director
April 14, 2015
Reviewed and Released by: Ethan Lee, Project Manager

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

April 14, 2015

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	GS	04/03/15	11:30
Location Code:	EBC	Received by:	LB	04/07/15	15:58
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH92956
Phoenix ID: BH92966

Project ID: W 36TH ST., MANHATTAN
Client ID: B8 4-6

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Percent Solid	88				%		04/07/15	i	SW846-%Solid
Soil Extraction SVOA PAH	Completed						04/07/15	JJ/VH	SW3545A
Field Extraction	Completed						04/03/15		SW5035A
Volatiles									
1,1,1,2-Tetrachloroethane	ND		4.1	0.82	ug/Kg	1	04/08/15	JLI	SW8260C
1,1,1-Trichloroethane	ND		4.1	0.41	ug/Kg	1	04/08/15	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND		4.1	0.82	ug/Kg	1	04/08/15	JLI	SW8260C
1,1,2-Trichloroethane	ND		4.1	0.82	ug/Kg	1	04/08/15	JLI	SW8260C
1,1-Dichloroethane	ND		4.1	0.82	ug/Kg	1	04/08/15	JLI	SW8260C
1,1-Dichloroethene	ND		4.1	0.41	ug/Kg	1	04/08/15	JLI	SW8260C
1,1-Dichloropropene	ND		4.1	0.41	ug/Kg	1	04/08/15	JLI	SW8260C
1,2,3-Trichlorobenzene	ND		280	56	ug/Kg	42	04/08/15	JLI	SW8260C
1,2,3-Trichloropropane	ND		280	28	ug/Kg	42	04/08/15	JLI	SW8260C
1,2,4-Trichlorobenzene	ND		280	56	ug/Kg	42	04/08/15	JLI	SW8260C
1,2,4-Trimethylbenzene	100	J	280	28	ug/Kg	42	04/08/15	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND		280	56	ug/Kg	42	04/08/15	JLI	SW8260C
1,2-Dibromoethane	ND		4.1	0.41	ug/Kg	1	04/08/15	JLI	SW8260C
1,2-Dichlorobenzene	ND		280	28	ug/Kg	42	04/08/15	JLI	SW8260C
1,2-Dichloroethane	ND		4.1	0.41	ug/Kg	1	04/08/15	JLI	SW8260C
1,2-Dichloropropane	ND		4.1	0.82	ug/Kg	1	04/08/15	JLI	SW8260C
1,3,5-Trimethylbenzene	ND		280	28	ug/Kg	42	04/08/15	JLI	SW8260C
1,3-Dichlorobenzene	ND		280	28	ug/Kg	42	04/08/15	JLI	SW8260C
1,3-Dichloropropane	ND		4.1	0.82	ug/Kg	1	04/08/15	JLI	SW8260C
1,4-Dichlorobenzene	ND		280	28	ug/Kg	42	04/08/15	JLI	SW8260C
2,2-Dichloropropane	ND		4.1	0.41	ug/Kg	1	04/08/15	JLI	SW8260C
2-Chlorotoluene	ND		280	56	ug/Kg	42	04/08/15	JLI	SW8260C
2-Hexanone	ND		20	4.1	ug/Kg	1	04/08/15	JLI	SW8260C

Project ID: W 36TH ST., MANHATTAN
Client ID: B8 4-6

Phoenix I.D.: BH92966

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
2-Isopropyltoluene	ND		280	28	ug/Kg	42	04/08/15	JLI	SW8260C	1
4-Chlorotoluene	ND		280	28	ug/Kg	42	04/08/15	JLI	SW8260C	
4-Methyl-2-pentanone	ND		20	4.1	ug/Kg	1	04/08/15	JLI	SW8260C	
Acetone	110	S	41	4.1	ug/Kg	1	04/08/15	JLI	SW8260C	
Acrylonitrile	ND		8.2	0.41	ug/Kg	1	04/08/15	JLI	SW8260C	
Benzene	52	J	280	28	ug/Kg	42	04/08/15	JLI	SW8260C	
Bromobenzene	ND		280	28	ug/Kg	42	04/08/15	JLI	SW8260C	
Bromochloromethane	ND		4.1	0.41	ug/Kg	1	04/08/15	JLI	SW8260C	
Bromodichloromethane	ND		4.1	0.82	ug/Kg	1	04/08/15	JLI	SW8260C	
Bromoform	ND		4.1	0.82	ug/Kg	1	04/08/15	JLI	SW8260C	
Bromomethane	ND		4.1	1.6	ug/Kg	1	04/08/15	JLI	SW8260C	
Carbon Disulfide	2.1	J	4.1	0.82	ug/Kg	1	04/08/15	JLI	SW8260C	
Carbon tetrachloride	ND		4.1	0.82	ug/Kg	1	04/08/15	JLI	SW8260C	
Chlorobenzene	ND		4.1	0.41	ug/Kg	1	04/08/15	JLI	SW8260C	
Chloroethane	ND		4.1	0.41	ug/Kg	1	04/08/15	JLI	SW8260C	
Chloroform	ND		4.1	0.41	ug/Kg	1	04/08/15	JLI	SW8260C	
Chloromethane	ND		4.1	0.82	ug/Kg	1	04/08/15	JLI	SW8260C	
cis-1,2-Dichloroethene	ND		4.1	0.41	ug/Kg	1	04/08/15	JLI	SW8260C	
cis-1,3-Dichloropropene	ND		4.1	0.41	ug/Kg	1	04/08/15	JLI	SW8260C	
Dibromochloromethane	ND		4.1	0.82	ug/Kg	1	04/08/15	JLI	SW8260C	
Dibromomethane	ND		4.1	0.82	ug/Kg	1	04/08/15	JLI	SW8260C	
Dichlorodifluoromethane	ND		4.1	0.41	ug/Kg	1	04/08/15	JLI	SW8260C	
Ethylbenzene	40	J	280	28	ug/Kg	42	04/08/15	JLI	SW8260C	
Hexachlorobutadiene	ND		280	28	ug/Kg	42	04/08/15	JLI	SW8260C	
Isopropylbenzene	ND		280	28	ug/Kg	42	04/08/15	JLI	SW8260C	
m&p-Xylene	220	J	280	56	ug/Kg	42	04/08/15	JLI	SW8260C	
Methyl Ethyl Ketone	13	J	25	4.1	ug/Kg	1	04/08/15	JLI	SW8260C	
Methyl t-butyl ether (MTBE)	ND		8.2	0.82	ug/Kg	1	04/08/15	JLI	SW8260C	
Methylene chloride	ND		4.1	4.1	ug/Kg	1	04/08/15	JLI	SW8260C	
Naphthalene	610		280	56	ug/Kg	42	04/08/15	JLI	SW8260C	
n-Butylbenzene	ND		280	28	ug/Kg	42	04/08/15	JLI	SW8260C	
n-Propylbenzene	ND		280	51	ug/Kg	42	04/08/15	JLI	SW8260C	
o-Xylene	120	J	280	56	ug/Kg	42	04/08/15	JLI	SW8260C	
p-Isopropyltoluene	ND		280	28	ug/Kg	42	04/08/15	JLI	SW8260C	
sec-Butylbenzene	ND		280	28	ug/Kg	42	04/08/15	JLI	SW8260C	
Styrene	ND		4.1	0.41	ug/Kg	1	04/08/15	JLI	SW8260C	
tert-Butylbenzene	ND		280	28	ug/Kg	42	04/08/15	JLI	SW8260C	
Tetrachloroethene	ND		4.1	0.82	ug/Kg	1	04/08/15	JLI	SW8260C	
Tetrahydrofuran (THF)	ND		8.2	2.0	ug/Kg	1	04/08/15	JLI	SW8260C	1
Toluene	190	J	280	28	ug/Kg	42	04/08/15	JLI	SW8260C	
trans-1,2-Dichloroethene	ND		4.1	0.41	ug/Kg	1	04/08/15	JLI	SW8260C	
trans-1,3-Dichloropropene	ND		4.1	0.41	ug/Kg	1	04/08/15	JLI	SW8260C	
trans-1,4-dichloro-2-butene	ND		560	140	ug/Kg	42	04/08/15	JLI	SW8260C	
Trichloroethene	ND		4.1	0.41	ug/Kg	1	04/08/15	JLI	SW8260C	
Trichlorofluoromethane	ND		4.1	0.82	ug/Kg	1	04/08/15	JLI	SW8260C	
Trichlorotrifluoroethane	ND		4.1	0.41	ug/Kg	1	04/08/15	JLI	SW8260C	
Vinyl chloride	ND		4.1	0.41	ug/Kg	1	04/08/15	JLI	SW8260C	
QA/QC Surrogates										
% 1,2-dichlorobenzene-d4	99				%	42	04/08/15	JLI	70 - 130 %	

Project ID: W 36TH ST., MANHATTAN
Client ID: B8 4-6

Phoenix I.D.: BH92966

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Bromofluorobenzene	100				%	42	04/08/15	JLI	70 - 130 %
% Dibromofluoromethane	100				%	1	04/08/15	JLI	70 - 130 %
% Toluene-d8	89				%	1	04/08/15	JLI	70 - 130 %
Semivolatiles									
Acenaphthene	340		260	110	ug/Kg	1	04/08/15	DD	SW8270D
Acenaphthylene	140	J	260	110	ug/Kg	1	04/08/15	DD	SW8270D
Anthracene	800		260	120	ug/Kg	1	04/08/15	DD	SW8270D
Benz(a)anthracene	2000		260	130	ug/Kg	1	04/08/15	DD	SW8270D
Benzo(a)pyrene	1500		260	120	ug/Kg	1	04/08/15	DD	SW8270D
Benzo(b)fluoranthene	1900		260	130	ug/Kg	1	04/08/15	DD	SW8270D
Benzo(ghi)perylene	780		260	120	ug/Kg	1	04/08/15	DD	SW8270D
Benzo(k)fluoranthene	710		260	120	ug/Kg	1	04/08/15	DD	SW8270D
Chrysene	1900		260	130	ug/Kg	1	04/08/15	DD	SW8270D
Dibenz(a,h)anthracene	250	J	260	120	ug/Kg	1	04/08/15	DD	SW8270D
Fluoranthene	2400		260	120	ug/Kg	1	04/08/15	DD	SW8270D
Fluorene	450		260	120	ug/Kg	1	04/08/15	DD	SW8270D
Indeno(1,2,3-cd)pyrene	770		260	120	ug/Kg	1	04/08/15	DD	SW8270D
Naphthalene	ND		260	110	ug/Kg	1	04/08/15	DD	SW8270D
Phenanthrene	2800		260	110	ug/Kg	1	04/08/15	DD	SW8270D
Pyrene	1900		260	130	ug/Kg	1	04/08/15	DD	SW8270D
QA/QC Surrogates									
% 2-Fluorobiphenyl	85				%	1	04/08/15	DD	30 - 115 %
% Nitrobenzene-d5	93				%	1	04/08/15	DD	23 - 120 %
% Terphenyl-d14	52				%	1	04/08/15	DD	18 - 137 %

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

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

Comments:

Volatile Comment:
There was a suppression of the last internal standard in the low level analysis, all affected compounds are reported from the methanol preserved high level analysis which did not exhibit this interference.

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
April 14, 2015
Reviewed and Released by: Ethan Lee, Project Manager

PHOENIX

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

April 14, 2015

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	GS	04/03/15	11:45
Location Code:	EBC	Received by:	LB	04/07/15	15:58
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH92956
Phoenix ID: BH92967

Project ID: W 36TH ST., MANHATTAN
Client ID: B9 0-2

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.34		0.34	0.34	mg/Kg	1	04/09/15	LK	SW6010C
Aluminum	7630		34	6.7	mg/Kg	10	04/09/15	LK	SW6010C
Arsenic	2.7		0.7	0.67	mg/Kg	1	04/09/15	LK	SW6010C
Barium	64.4	N	0.7	0.34	mg/Kg	1	04/09/15	LK	SW6010C
Beryllium	0.26	B	0.27	0.13	mg/Kg	1	04/09/15	LK	SW6010C
Calcium	49400		34	31	mg/Kg	10	04/09/15	LK	SW6010C
Cadmium	< 0.34		0.34	0.13	mg/Kg	1	04/09/15	LK	SW6010C
Cobalt	7.49		0.34	0.34	mg/Kg	1	04/09/15	LK	SW6010C
Chromium	13.6		0.34	0.34	mg/Kg	1	04/09/15	LK	SW6010C
Copper	42.5		0.34	0.34	mg/kg	1	04/09/15	LK	SW6010C
Iron	17100		34	34	mg/Kg	10	04/09/15	LK	SW6010C
Mercury	0.38		0.03	0.02	mg/Kg	1	04/10/15	RS	SW7471B
Potassium	2380		7	2.6	mg/Kg	1	04/09/15	LK	SW6010C
Magnesium	23500		34	34	mg/Kg	10	04/09/15	LK	SW6010C
Manganese	222	N	3.4	3.4	mg/Kg	10	04/09/15	LK	SW6010C
Sodium	922		7	2.9	mg/Kg	1	04/09/15	LK	SW6010C
Nickel	25.9		0.34	0.34	mg/Kg	1	04/09/15	LK	SW6010C
Lead	61.4		0.7	0.34	mg/Kg	1	04/09/15	LK	SW6010C
Antimony	< 1.7		1.7	1.7	mg/Kg	1	04/09/15	LK	SW6010C
Selenium	< 1.3		1.3	1.1	mg/Kg	1	04/09/15	LK	SW6010C
Thallium	< 1.3		1.3	1.3	mg/Kg	1	04/09/15	LK	SW6010C
Vanadium	72.6		0.3	0.34	mg/Kg	1	04/09/15	LK	SW6010C
Zinc	59.0	N	0.7	0.34	mg/Kg	1	04/09/15	LK	SW6010C
Percent Solid	94				%		04/07/15	i	SW846-%Solid
Soil Extraction for PCB	Completed						04/07/15	CC/H	SW3545A
Mercury Digestion	Completed						04/10/15	I/I	SW7471B
Total Metals Digest	Completed						04/07/15	CB/AG	SW3050B

Project ID: W 36TH ST., MANHATTAN
Client ID: B9 0-2

Phoenix I.D.: BH92967

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Polychlorinated Biphenyls								
PCB-1016	ND	35	35	ug/Kg	2	04/09/15	AW	SW8082A
PCB-1221	ND	35	35	ug/Kg	2	04/09/15	AW	SW8082A
PCB-1232	ND	35	35	ug/Kg	2	04/09/15	AW	SW8082A
PCB-1242	ND	35	35	ug/Kg	2	04/09/15	AW	SW8082A
PCB-1248	ND	35	35	ug/Kg	2	04/09/15	AW	SW8082A
PCB-1254	ND	35	35	ug/Kg	2	04/09/15	AW	SW8082A
PCB-1260	63	35	35	ug/Kg	2	04/09/15	AW	SW8082A
PCB-1262	ND	35	35	ug/Kg	2	04/09/15	AW	SW8082A
PCB-1268	ND	35	35	ug/Kg	2	04/09/15	AW	SW8082A
QA/QC Surrogates								
% DCBP	66			%	2	04/09/15	AW	30 - 150 %
% TCMX	77			%	2	04/09/15	AW	30 - 150 %

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

Comments:

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

PCB Comment:
For PCBs, the continuing calibration standard recoveries were below criteria due to a matrix interference in the samples. Samples were rerun with with similar results. A negative sample bias is suspected.

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
April 14, 2015
Reviewed and Released by: Ethan Lee, Project Manager

PHOENIX

Environmental Laboratories, Inc.
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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

April 14, 2015

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	GS	04/03/15	12:00
Location Code:	EBC	Received by:	LB	04/07/15	15:58
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH92956
Phoenix ID: BH92968

Project ID: W 36TH ST., MANHATTAN
Client ID: B9 4-6

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Percent Solid	79				%		04/07/15	i	SW846-%Solid
Soil Extraction SVOA PAH	Completed						04/07/15	JJ/VH	SW3545A
Field Extraction	Completed						04/03/15		SW5035A
Volatiles									
1,1,1,2-Tetrachloroethane	ND		5.5	1.1	ug/Kg	1	04/08/15	JLI	SW8260C
1,1,1-Trichloroethane	ND		5.5	0.55	ug/Kg	1	04/08/15	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND		5.5	1.1	ug/Kg	1	04/08/15	JLI	SW8260C
1,1,2-Trichloroethane	ND		5.5	1.1	ug/Kg	1	04/08/15	JLI	SW8260C
1,1-Dichloroethane	ND		5.5	1.1	ug/Kg	1	04/08/15	JLI	SW8260C
1,1-Dichloroethene	ND		5.5	0.55	ug/Kg	1	04/08/15	JLI	SW8260C
1,1-Dichloropropene	ND		5.5	0.55	ug/Kg	1	04/08/15	JLI	SW8260C
1,2,3-Trichlorobenzene	ND		5.5	1.1	ug/Kg	1	04/08/15	JLI	SW8260C
1,2,3-Trichloropropane	ND		5.5	0.55	ug/Kg	1	04/08/15	JLI	SW8260C
1,2,4-Trichlorobenzene	ND		5.5	1.1	ug/Kg	1	04/08/15	JLI	SW8260C
1,2,4-Trimethylbenzene	450		310	31	ug/Kg	29	04/09/15	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND		5.5	1.1	ug/Kg	1	04/08/15	JLI	SW8260C
1,2-Dibromoethane	ND		5.5	0.55	ug/Kg	1	04/08/15	JLI	SW8260C
1,2-Dichlorobenzene	ND		5.5	0.55	ug/Kg	1	04/08/15	JLI	SW8260C
1,2-Dichloroethane	ND		5.5	0.55	ug/Kg	1	04/08/15	JLI	SW8260C
1,2-Dichloropropane	ND		5.5	1.1	ug/Kg	1	04/08/15	JLI	SW8260C
1,3,5-Trimethylbenzene	85	J	310	31	ug/Kg	29	04/09/15	JLI	SW8260C
1,3-Dichlorobenzene	ND		5.5	0.55	ug/Kg	1	04/08/15	JLI	SW8260C
1,3-Dichloropropane	ND		5.5	1.1	ug/Kg	1	04/08/15	JLI	SW8260C
1,4-Dichlorobenzene	ND		5.5	0.55	ug/Kg	1	04/08/15	JLI	SW8260C
2,2-Dichloropropane	ND		5.5	0.55	ug/Kg	1	04/08/15	JLI	SW8260C
2-Chlorotoluene	ND		5.5	1.1	ug/Kg	1	04/08/15	JLI	SW8260C
2-Hexanone	ND		28	5.5	ug/Kg	1	04/08/15	JLI	SW8260C

Project ID: W 36TH ST., MANHATTAN
Client ID: B9 4-6

Phoenix I.D.: BH92968

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
2-Isopropyltoluene	ND		5.5	0.55	ug/Kg	1	04/08/15	JLI	SW8260C	1
4-Chlorotoluene	ND		5.5	0.55	ug/Kg	1	04/08/15	JLI	SW8260C	
4-Methyl-2-pentanone	ND		28	5.5	ug/Kg	1	04/08/15	JLI	SW8260C	
Acetone	44	JS	50	5.5	ug/Kg	1	04/08/15	JLI	SW8260C	
Acrylonitrile	ND		11	0.55	ug/Kg	1	04/08/15	JLI	SW8260C	
Benzene	170	J	310	31	ug/Kg	29	04/09/15	JLI	SW8260C	
Bromobenzene	ND		5.5	0.55	ug/Kg	1	04/08/15	JLI	SW8260C	
Bromochloromethane	ND		5.5	0.55	ug/Kg	1	04/08/15	JLI	SW8260C	
Bromodichloromethane	ND		5.5	1.1	ug/Kg	1	04/08/15	JLI	SW8260C	
Bromoform	ND		5.5	1.1	ug/Kg	1	04/08/15	JLI	SW8260C	
Bromomethane	ND		5.5	2.2	ug/Kg	1	04/08/15	JLI	SW8260C	
Carbon Disulfide	6.2		5.5	1.1	ug/Kg	1	04/08/15	JLI	SW8260C	
Carbon tetrachloride	ND		5.5	1.1	ug/Kg	1	04/08/15	JLI	SW8260C	
Chlorobenzene	ND		5.5	0.55	ug/Kg	1	04/08/15	JLI	SW8260C	
Chloroethane	ND		5.5	0.55	ug/Kg	1	04/08/15	JLI	SW8260C	
Chloroform	ND		5.5	0.55	ug/Kg	1	04/08/15	JLI	SW8260C	
Chloromethane	ND		5.5	1.1	ug/Kg	1	04/08/15	JLI	SW8260C	
cis-1,2-Dichloroethene	ND		5.5	0.55	ug/Kg	1	04/08/15	JLI	SW8260C	
cis-1,3-Dichloropropene	ND		5.5	0.55	ug/Kg	1	04/08/15	JLI	SW8260C	
Dibromochloromethane	ND		5.5	1.1	ug/Kg	1	04/08/15	JLI	SW8260C	
Dibromomethane	ND		5.5	1.1	ug/Kg	1	04/08/15	JLI	SW8260C	
Dichlorodifluoromethane	ND		5.5	0.55	ug/Kg	1	04/08/15	JLI	SW8260C	
Ethylbenzene	170	J	310	31	ug/Kg	29	04/09/15	JLI	SW8260C	
Hexachlorobutadiene	ND		5.5	0.55	ug/Kg	1	04/08/15	JLI	SW8260C	
Isopropylbenzene	67	J	310	31	ug/Kg	29	04/09/15	JLI	SW8260C	
m&p-Xylene	890		310	63	ug/Kg	29	04/09/15	JLI	SW8260C	
Methyl Ethyl Ketone	8.2	J	33	5.5	ug/Kg	1	04/08/15	JLI	SW8260C	
Methyl t-butyl ether (MTBE)	ND		11	1.1	ug/Kg	1	04/08/15	JLI	SW8260C	
Methylene chloride	ND		5.5	5.5	ug/Kg	1	04/08/15	JLI	SW8260C	
Naphthalene	660		310	63	ug/Kg	29	04/09/15	JLI	SW8260C	B
n-Butylbenzene	ND		5.5	0.55	ug/Kg	1	04/08/15	JLI	SW8260C	
n-Propylbenzene	82	J	310	56	ug/Kg	29	04/09/15	JLI	SW8260C	
o-Xylene	560		310	63	ug/Kg	29	04/09/15	JLI	SW8260C	
p-Isopropyltoluene	34	J	310	31	ug/Kg	29	04/09/15	JLI	SW8260C	
sec-Butylbenzene	ND		5.5	0.55	ug/Kg	1	04/08/15	JLI	SW8260C	
Styrene	ND		5.5	0.55	ug/Kg	1	04/08/15	JLI	SW8260C	
tert-Butylbenzene	ND		5.5	0.55	ug/Kg	1	04/08/15	JLI	SW8260C	
Tetrachloroethene	ND		5.5	1.1	ug/Kg	1	04/08/15	JLI	SW8260C	
Tetrahydrofuran (THF)	ND		11	2.8	ug/Kg	1	04/08/15	JLI	SW8260C	1
Toluene	740		310	31	ug/Kg	29	04/09/15	JLI	SW8260C	
trans-1,2-Dichloroethene	ND		5.5	0.55	ug/Kg	1	04/08/15	JLI	SW8260C	
trans-1,3-Dichloropropene	ND		5.5	0.55	ug/Kg	1	04/08/15	JLI	SW8260C	
trans-1,4-dichloro-2-butene	ND		11	2.8	ug/Kg	1	04/08/15	JLI	SW8260C	
Trichloroethene	ND		5.5	0.55	ug/Kg	1	04/08/15	JLI	SW8260C	
Trichlorofluoromethane	ND		5.5	1.1	ug/Kg	1	04/08/15	JLI	SW8260C	
Trichlorotrifluoroethane	ND		5.5	0.55	ug/Kg	1	04/08/15	JLI	SW8260C	
Vinyl chloride	ND		5.5	0.55	ug/Kg	1	04/08/15	JLI	SW8260C	
QA/QC Surrogates										
% 1,2-dichlorobenzene-d4	117				%	1	04/08/15	JLI	70 - 130 %	

Project ID: W 36TH ST., MANHATTAN
Client ID: B9 4-6

Phoenix I.D.: BH92968

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Bromofluorobenzene	92			%	1	04/08/15	JLI	70 - 130 %
% Dibromofluoromethane	101			%	1	04/08/15	JLI	70 - 130 %
% Toluene-d8	94			%	1	04/08/15	JLI	70 - 130 %
Semivolatiles								
Acenaphthene	ND	290	130	ug/Kg	1	04/08/15	DD	SW8270D
Acenaphthylene	ND	290	120	ug/Kg	1	04/08/15	DD	SW8270D
Anthracene	ND	290	140	ug/Kg	1	04/08/15	DD	SW8270D
Benz(a)anthracene	ND	290	140	ug/Kg	1	04/08/15	DD	SW8270D
Benzo(a)pyrene	ND	290	140	ug/Kg	1	04/08/15	DD	SW8270D
Benzo(b)fluoranthene	ND	290	140	ug/Kg	1	04/08/15	DD	SW8270D
Benzo(ghi)perylene	ND	290	140	ug/Kg	1	04/08/15	DD	SW8270D
Benzo(k)fluoranthene	ND	290	140	ug/Kg	1	04/08/15	DD	SW8270D
Chrysene	ND	290	140	ug/Kg	1	04/08/15	DD	SW8270D
Dibenz(a,h)anthracene	ND	290	140	ug/Kg	1	04/08/15	DD	SW8270D
Fluoranthene	ND	290	140	ug/Kg	1	04/08/15	DD	SW8270D
Fluorene	ND	290	140	ug/Kg	1	04/08/15	DD	SW8270D
Indeno(1,2,3-cd)pyrene	ND	290	140	ug/Kg	1	04/08/15	DD	SW8270D
Naphthalene	ND	290	120	ug/Kg	1	04/08/15	DD	SW8270D
Phenanthrene	360	290	120	ug/Kg	1	04/08/15	DD	SW8270D
Pyrene	ND	290	140	ug/Kg	1	04/08/15	DD	SW8270D
QA/QC Surrogates								
% 2-Fluorobiphenyl	76			%	1	04/08/15	DD	30 - 115 %
% Nitrobenzene-d5	78			%	1	04/08/15	DD	23 - 120 %
% Terphenyl-d14	47			%	1	04/08/15	DD	18 - 137 %

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

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

Comments:

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
April 14, 2015
Reviewed and Released by: Ethan Lee, Project Manager

PHOENIX

Environmental Laboratories, Inc.
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Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

April 14, 2015

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:	GS	04/03/15	12:30
Location Code:	EBC	Received by:	LB	04/07/15	15:58
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH92956
Phoenix ID: BH92969

Project ID: W 36TH ST., MANHATTAN
Client ID: GW 1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	04/08/15	MH	SW8260C	
1,1,1-Trichloroethane	ND	5.0	0.25	ug/L	1	04/08/15	MH	SW8260C	
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	04/08/15	MH	SW8260C	
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	04/08/15	MH	SW8260C	
1,1-Dichloroethane	ND	5.0	0.25	ug/L	1	04/08/15	MH	SW8260C	
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	04/08/15	MH	SW8260C	
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	04/08/15	MH	SW8260C	
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	04/08/15	MH	SW8260C	B
1,2,3-Trichloropropane	ND	1.0	0.25	ug/L	1	04/08/15	MH	SW8260C	
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	04/08/15	MH	SW8260C	
1,2,4-Trimethylbenzene	ND	1.0	0.25	ug/L	1	04/08/15	MH	SW8260C	
1,2-Dibromo-3-chloropropane	ND	1.0	0.50	ug/L	1	04/08/15	MH	SW8260C	
1,2-Dibromoethane	ND	1.0	0.25	ug/L	1	04/08/15	MH	SW8260C	
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	04/08/15	MH	SW8260C	
1,2-Dichloroethane	ND	0.60	0.25	ug/L	1	04/08/15	MH	SW8260C	
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	04/08/15	MH	SW8260C	
1,3,5-Trimethylbenzene	ND	1.0	0.25	ug/L	1	04/08/15	MH	SW8260C	
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	04/08/15	MH	SW8260C	
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	04/08/15	MH	SW8260C	
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	04/08/15	MH	SW8260C	
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	04/08/15	MH	SW8260C	
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	04/08/15	MH	SW8260C	
2-Hexanone	ND	2.5	2.5	ug/L	1	04/08/15	MH	SW8260C	
2-Isopropyltoluene	ND	1.0	0.25	ug/L	1	04/08/15	MH	SW8260C	1
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	04/08/15	MH	SW8260C	
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	04/08/15	MH	SW8260C	

Project ID: W 36TH ST., MANHATTAN
Client ID: GW 1

Phoenix I.D.: BH92969

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Acetone	10	S	5.0	2.5	ug/L	1	04/08/15	MH	SW8260C	
Acrolein	ND		5.0	2.5	ug/L	1	04/08/15	MH	SW8260C	
Acrylonitrile	ND		5.0	2.5	ug/L	1	04/08/15	MH	SW8260C	
Benzene	ND		0.70	0.25	ug/L	1	04/08/15	MH	SW8260C	
Bromobenzene	ND		1.0	0.25	ug/L	1	04/08/15	MH	SW8260C	
Bromochloromethane	ND		1.0	0.25	ug/L	1	04/08/15	MH	SW8260C	
Bromodichloromethane	ND		1.0	0.25	ug/L	1	04/08/15	MH	SW8260C	
Bromoform	ND		5.0	0.25	ug/L	1	04/08/15	MH	SW8260C	
Bromomethane	ND		5.0	0.25	ug/L	1	04/08/15	MH	SW8260C	
Carbon Disulfide	0.27	J	1.0	0.25	ug/L	1	04/08/15	MH	SW8260C	
Carbon tetrachloride	ND		1.0	0.25	ug/L	1	04/08/15	MH	SW8260C	
Chlorobenzene	ND		5.0	0.25	ug/L	1	04/08/15	MH	SW8260C	
Chloroethane	ND		5.0	0.25	ug/L	1	04/08/15	MH	SW8260C	
Chloroform	ND		5.0	0.25	ug/L	1	04/08/15	MH	SW8260C	
Chloromethane	ND		5.0	0.25	ug/L	1	04/08/15	MH	SW8260C	
cis-1,2-Dichloroethene	ND		1.0	0.25	ug/L	1	04/08/15	MH	SW8260C	
cis-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	04/08/15	MH	SW8260C	
Dibromochloromethane	ND		1.0	0.25	ug/L	1	04/08/15	MH	SW8260C	
Dibromomethane	ND		1.0	0.25	ug/L	1	04/08/15	MH	SW8260C	
Dichlorodifluoromethane	ND		1.0	0.25	ug/L	1	04/08/15	MH	SW8260C	
Ethylbenzene	ND		1.0	0.25	ug/L	1	04/08/15	MH	SW8260C	
Hexachlorobutadiene	ND		1.0	0.10	ug/L	1	04/08/15	MH	SW8260C	B
Isopropylbenzene	ND		1.0	0.25	ug/L	1	04/08/15	MH	SW8260C	
m&p-Xylene	ND		1.0	0.25	ug/L	1	04/08/15	MH	SW8260C	
Methyl ethyl ketone	ND		2.5	2.5	ug/L	1	04/08/15	MH	SW8260C	
Methyl t-butyl ether (MTBE)	0.27	J	1.0	0.25	ug/L	1	04/08/15	MH	SW8260C	
Methylene chloride	ND		3.0	1.0	ug/L	1	04/08/15	MH	SW8260C	
Naphthalene	ND		1.0	1.0	ug/L	1	04/08/15	MH	SW8260C	
n-Butylbenzene	ND		1.0	0.25	ug/L	1	04/08/15	MH	SW8260C	
n-Propylbenzene	ND		1.0	0.25	ug/L	1	04/08/15	MH	SW8260C	
o-Xylene	ND		1.0	0.25	ug/L	1	04/08/15	MH	SW8260C	
p-Isopropyltoluene	ND		1.0	0.25	ug/L	1	04/08/15	MH	SW8260C	
sec-Butylbenzene	ND		1.0	0.25	ug/L	1	04/08/15	MH	SW8260C	
Styrene	ND		1.0	0.25	ug/L	1	04/08/15	MH	SW8260C	
tert-Butylbenzene	ND		1.0	0.25	ug/L	1	04/08/15	MH	SW8260C	
Tetrachloroethene	ND		1.0	0.25	ug/L	1	04/08/15	MH	SW8260C	
Tetrahydrofuran (THF)	ND		5.0	2.5	ug/L	1	04/08/15	MH	SW8260C	1
Toluene	ND		1.0	0.25	ug/L	1	04/08/15	MH	SW8260C	
trans-1,2-Dichloroethene	ND		5.0	0.25	ug/L	1	04/08/15	MH	SW8260C	
trans-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	04/08/15	MH	SW8260C	
trans-1,4-dichloro-2-butene	ND		2.5	2.5	ug/L	1	04/08/15	MH	SW8260C	
Trichloroethene	ND		1.0	0.25	ug/L	1	04/08/15	MH	SW8260C	
Trichlorofluoromethane	ND		1.0	0.25	ug/L	1	04/08/15	MH	SW8260C	
Trichlorotrifluoroethane	ND		1.0	0.25	ug/L	1	04/08/15	MH	SW8260C	
Vinyl chloride	ND		1.0	0.25	ug/L	1	04/08/15	MH	SW8260C	
QA/QC Surrogates										
% 1,2-dichlorobenzene-d4	101				%	1	04/08/15	MH	70 - 130 %	
% Bromofluorobenzene	95				%	1	04/08/15	MH	70 - 130 %	
% Dibromofluoromethane	99				%	1	04/08/15	MH	70 - 130 %	

Project ID: W 36TH ST., MANHATTAN
Client ID: GW 1

Phoenix I.D.: BH92969

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	98			%	1	04/08/15	MH	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.
B = Present in blank, no bias suspected.

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

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
April 14, 2015
Reviewed and Released by: Ethan Lee, Project Manager

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

April 14, 2015

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:	GS	04/03/15	10:00
Location Code:	EBC	Received by:	LB	04/07/15	15:58
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH92956
Phoenix ID: BH92970

Project ID: W 36TH ST., MANHATTAN
Client ID: GW 2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	04/08/15	MH	SW8260C	
1,1,1-Trichloroethane	ND	5.0	0.25	ug/L	1	04/08/15	MH	SW8260C	
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	04/08/15	MH	SW8260C	
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	04/08/15	MH	SW8260C	
1,1-Dichloroethane	ND	5.0	0.25	ug/L	1	04/08/15	MH	SW8260C	
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	04/08/15	MH	SW8260C	
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	04/08/15	MH	SW8260C	
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	04/08/15	MH	SW8260C	B
1,2,3-Trichloropropane	ND	1.0	0.25	ug/L	1	04/08/15	MH	SW8260C	
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	04/08/15	MH	SW8260C	
1,2,4-Trimethylbenzene	ND	1.0	0.25	ug/L	1	04/08/15	MH	SW8260C	
1,2-Dibromo-3-chloropropane	ND	1.0	0.50	ug/L	1	04/08/15	MH	SW8260C	
1,2-Dibromoethane	ND	1.0	0.25	ug/L	1	04/08/15	MH	SW8260C	
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	04/08/15	MH	SW8260C	
1,2-Dichloroethane	ND	0.60	0.25	ug/L	1	04/08/15	MH	SW8260C	
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	04/08/15	MH	SW8260C	
1,3,5-Trimethylbenzene	ND	1.0	0.25	ug/L	1	04/08/15	MH	SW8260C	
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	04/08/15	MH	SW8260C	
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	04/08/15	MH	SW8260C	
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	04/08/15	MH	SW8260C	
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	04/08/15	MH	SW8260C	
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	04/08/15	MH	SW8260C	
2-Hexanone	ND	2.5	2.5	ug/L	1	04/08/15	MH	SW8260C	
2-Isopropyltoluene	ND	1.0	0.25	ug/L	1	04/08/15	MH	SW8260C	1
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	04/08/15	MH	SW8260C	
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	04/08/15	MH	SW8260C	

Project ID: W 36TH ST., MANHATTAN
Client ID: GW 2

Phoenix I.D.: BH92970

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Acetone	7.7	S	5.0	2.5	ug/L	1	04/08/15	MH	SW8260C	
Acrolein	ND		5.0	2.5	ug/L	1	04/08/15	MH	SW8260C	
Acrylonitrile	ND		5.0	2.5	ug/L	1	04/08/15	MH	SW8260C	
Benzene	ND		0.70	0.25	ug/L	1	04/08/15	MH	SW8260C	
Bromobenzene	ND		1.0	0.25	ug/L	1	04/08/15	MH	SW8260C	
Bromochloromethane	ND		1.0	0.25	ug/L	1	04/08/15	MH	SW8260C	
Bromodichloromethane	ND		1.0	0.25	ug/L	1	04/08/15	MH	SW8260C	
Bromoform	ND		5.0	0.25	ug/L	1	04/08/15	MH	SW8260C	
Bromomethane	ND		5.0	0.25	ug/L	1	04/08/15	MH	SW8260C	
Carbon Disulfide	1.3		1.0	0.25	ug/L	1	04/08/15	MH	SW8260C	
Carbon tetrachloride	ND		1.0	0.25	ug/L	1	04/08/15	MH	SW8260C	
Chlorobenzene	ND		5.0	0.25	ug/L	1	04/08/15	MH	SW8260C	
Chloroethane	ND		5.0	0.25	ug/L	1	04/08/15	MH	SW8260C	
Chloroform	ND		5.0	0.25	ug/L	1	04/08/15	MH	SW8260C	
Chloromethane	ND		5.0	0.25	ug/L	1	04/08/15	MH	SW8260C	
cis-1,2-Dichloroethene	ND		1.0	0.25	ug/L	1	04/08/15	MH	SW8260C	
cis-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	04/08/15	MH	SW8260C	
Dibromochloromethane	ND		1.0	0.25	ug/L	1	04/08/15	MH	SW8260C	
Dibromomethane	ND		1.0	0.25	ug/L	1	04/08/15	MH	SW8260C	
Dichlorodifluoromethane	ND		1.0	0.25	ug/L	1	04/08/15	MH	SW8260C	
Ethylbenzene	ND		1.0	0.25	ug/L	1	04/08/15	MH	SW8260C	
Hexachlorobutadiene	ND		1.0	0.10	ug/L	1	04/08/15	MH	SW8260C	B
Isopropylbenzene	ND		1.0	0.25	ug/L	1	04/08/15	MH	SW8260C	
m&p-Xylene	ND		1.0	0.25	ug/L	1	04/08/15	MH	SW8260C	
Methyl ethyl ketone	ND		2.5	2.5	ug/L	1	04/08/15	MH	SW8260C	
Methyl t-butyl ether (MTBE)	0.94	J	1.0	0.25	ug/L	1	04/08/15	MH	SW8260C	
Methylene chloride	ND		3.0	1.0	ug/L	1	04/08/15	MH	SW8260C	
Naphthalene	ND		1.0	1.0	ug/L	1	04/08/15	MH	SW8260C	
n-Butylbenzene	ND		1.0	0.25	ug/L	1	04/08/15	MH	SW8260C	
n-Propylbenzene	ND		1.0	0.25	ug/L	1	04/08/15	MH	SW8260C	
o-Xylene	ND		1.0	0.25	ug/L	1	04/08/15	MH	SW8260C	
p-Isopropyltoluene	ND		1.0	0.25	ug/L	1	04/08/15	MH	SW8260C	
sec-Butylbenzene	ND		1.0	0.25	ug/L	1	04/08/15	MH	SW8260C	
Styrene	ND		1.0	0.25	ug/L	1	04/08/15	MH	SW8260C	
tert-Butylbenzene	ND		1.0	0.25	ug/L	1	04/08/15	MH	SW8260C	
Tetrachloroethene	ND		1.0	0.25	ug/L	1	04/08/15	MH	SW8260C	
Tetrahydrofuran (THF)	ND		5.0	2.5	ug/L	1	04/08/15	MH	SW8260C	1
Toluene	ND		1.0	0.25	ug/L	1	04/08/15	MH	SW8260C	
trans-1,2-Dichloroethene	ND		5.0	0.25	ug/L	1	04/08/15	MH	SW8260C	
trans-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	04/08/15	MH	SW8260C	
trans-1,4-dichloro-2-butene	ND		2.5	2.5	ug/L	1	04/08/15	MH	SW8260C	
Trichloroethene	ND		1.0	0.25	ug/L	1	04/08/15	MH	SW8260C	
Trichlorofluoromethane	ND		1.0	0.25	ug/L	1	04/08/15	MH	SW8260C	
Trichlorotrifluoroethane	ND		1.0	0.25	ug/L	1	04/08/15	MH	SW8260C	
Vinyl chloride	ND		1.0	0.25	ug/L	1	04/08/15	MH	SW8260C	
QA/QC Surrogates										
% 1,2-dichlorobenzene-d4	104				%	1	04/08/15	MH	70 - 130 %	
% Bromofluorobenzene	97				%	1	04/08/15	MH	70 - 130 %	
% Dibromofluoromethane	95				%	1	04/08/15	MH	70 - 130 %	

Project ID: W 36TH ST., MANHATTAN
Client ID: GW 2

Phoenix I.D.: BH92970

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	100			%	1	04/08/15	MH	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.
B = Present in blank, no bias suspected.

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

Comments:

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Phyllis Shiller, Laboratory Director
April 14, 2015
Reviewed and Released by: Ethan Lee, Project Manager

Sample Criteria Exceedences Report

GBH92956 - EBC

Criteria: NY: 375, 375RRS, 375RS

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BH92956	$PCB_SMRDP	PCB-1260	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	160	36	100	100	ug/Kg
BH92956	CR-SM	Chromium	NY / 375-6.8 Metals / Unrestricted Use Soil	44.7	0.33	30		mg/Kg
BH92956	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	60.1	0.33	50	50	mg/kg
BH92956	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.69	0.03	0.18	0.18	mg/Kg
BH92956	NI-SM	Nickel	NY / 375-6.8 Metals / Unrestricted Use Soil	34.3	0.33	30	30	mg/Kg
BH92956	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	96.1	0.7	63	63	mg/Kg
BH92956	ZN-SMDP	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	157	6.5	109	109	mg/Kg
BH92957	$PCB_SMRDP	PCB-1260	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	640	35	100	100	ug/Kg
BH92957	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	103	0.36	50	50	mg/kg
BH92957	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.76	0.03	0.18	0.18	mg/Kg
BH92957	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	93.4	0.7	63	63	mg/Kg
BH92958	$8260MADPR	Acetone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	52	35	50	50	ug/Kg
BH92958	$DP_8270SSR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	2100	260	1000	1000	ug/Kg
BH92958	$DP_8270SSR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	2100	260	1000	1000	ug/Kg
BH92958	$DP_8270SSR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	930	260	500	500	ug/Kg
BH92958	$DP_8270SSR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	1700	260	1000	1000	ug/Kg
BH92958	$DP_8270SSR	Chrysene	NY / 375-6.8 Semivolatiles / Residential	2200	260	1000	1000	ug/Kg
BH92958	$DP_8270SSR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	930	260	500	500	ug/Kg
BH92958	$DP_8270SSR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	2100	260	1000	1000	ug/Kg
BH92958	$DP_8270SSR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	1700	260	1000	1000	ug/Kg
BH92958	$DP_8270SSR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	2100	260	1000	1000	ug/Kg
BH92958	$DP_8270SSR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1700	260	1000	1000	ug/Kg
BH92958	$DP_8270SSR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2100	260	1000	1000	ug/Kg
BH92958	$DP_8270SSR	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	810	260	800	800	ug/Kg
BH92958	$DP_8270SSR	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2200	260	1000	1000	ug/Kg
BH92958	$DP_8270SSR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	930	260	500	500	ug/Kg
BH92958	$DP_8270SSR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2100	260	1000	1000	ug/Kg
BH92959	$PCB_SMRDP	PCB-1260	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	790	36	100	100	ug/Kg
BH92959	CR-SM	Chromium	NY / 375-6.8 Metals / Unrestricted Use Soil	32.1	0.35	30		mg/Kg
BH92959	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	124	0.35	50	50	mg/kg
BH92959	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.72	0.03	0.18	0.18	mg/Kg
BH92959	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	123	0.7	63	63	mg/Kg
BH92959	ZN-SMDP	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	144	7.1	109	109	mg/Kg
BH92960	$8260MADPR	Acetone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	74	45	50	50	ug/Kg
BH92960	$DP_8270SSR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	2300	250	1000	1000	ug/Kg
BH92960	$DP_8270SSR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	2100	250	1000	1000	ug/Kg
BH92960	$DP_8270SSR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	1000	250	500	500	ug/Kg
BH92960	$DP_8270SSR	Chrysene	NY / 375-6.8 Semivolatiles / Residential	2200	250	1000	1000	ug/Kg
BH92960	$DP_8270SSR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	1800	250	1000	1000	ug/Kg

Sample Criteria Exceedences Report

GBH92956 - EBC

Criteria: NY: 375, 375RRS, 375RS

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BH92960	$DP_8270SSR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	1000	250	500	500	ug/Kg
BH92960	$DP_8270SSR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	2300	250	1000	1000	ug/Kg
BH92960	$DP_8270SSR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	1800	250	1000	1000	ug/Kg
BH92960	$DP_8270SSR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	2100	250	1000	1000	ug/Kg
BH92960	$DP_8270SSR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2100	250	1000	1000	ug/Kg
BH92960	$DP_8270SSR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1000	250	500	500	ug/Kg
BH92960	$DP_8270SSR	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2200	250	1000	1000	ug/Kg
BH92960	$DP_8270SSR	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	840	250	800	800	ug/Kg
BH92960	$DP_8270SSR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2300	250	1000	1000	ug/Kg
BH92960	$DP_8270SSR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1800	250	1000	1000	ug/Kg
BH92961	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.44	0.03	0.18	0.18	mg/Kg
BH92962	$DP_8270SSR	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	ND	2500	1000	1000	ug/Kg
BH92962	$DP_8270SSR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	ND	2500	500	500	ug/Kg
BH92962	$DP_8270SSR	Chrysene	NY / 375-6.8 Semivolatiles / Residential	ND	2500	1000	1000	ug/Kg
BH92962	$DP_8270SSR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential	ND	2500	330	330	ug/Kg
BH92962	$DP_8270SSR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	ND	2500	1000	1000	ug/Kg
BH92962	$DP_8270SSR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	ND	2500	1000	1000	ug/Kg
BH92962	$DP_8270SSR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	ND	2500	1000	1000	ug/Kg
BH92962	$DP_8270SSR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	ND	2500	1000	1000	ug/Kg
BH92962	$DP_8270SSR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	ND	2500	1000	1000	ug/Kg
BH92962	$DP_8270SSR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	ND	2500	330	330	ug/Kg
BH92962	$DP_8270SSR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	ND	2500	500	500	ug/Kg
BH92962	$DP_8270SSR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	ND	2500	1000	1000	ug/Kg
BH92962	$DP_8270SSR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	2500	500	500	ug/Kg
BH92962	$DP_8270SSR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	2500	1000	1000	ug/Kg
BH92962	$DP_8270SSR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	2500	1000	1000	ug/Kg
BH92962	$DP_8270SSR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	2500	1000	1000	ug/Kg
BH92962	$DP_8270SSR	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	2500	800	800	ug/Kg
BH92962	$DP_8270SSR	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	2500	1000	1000	ug/Kg
BH92962	$DP_8270SSR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	2500	330	330	ug/Kg
BH92963	$PCB_SMRDP	PCB-1260	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	410	36	100	100	ug/Kg
BH92963	CR-SM	Chromium	NY / 375-6.8 Metals / Unrestricted Use Soil	39.1	0.38	30		mg/Kg
BH92963	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	170	3.8	50	50	mg/kg
BH92963	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.19	0.03	0.18	0.18	mg/Kg
BH92963	NI-SM	Nickel	NY / 375-6.8 Metals / Unrestricted Use Soil	32.0	0.38	30	30	mg/Kg
BH92963	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	142	0.8	63	63	mg/Kg
BH92963	ZN-SMDP	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	129	0.8	109	109	mg/Kg
BH92964	$8260MADPR	Acetone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	52	46	50	50	ug/Kg
BH92964	$8260MADPR	Benzene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	85	280	60	60	ug/Kg

Sample Criteria Exceedences Report

GBH92956 - EBC

Criteria: NY: 375, 375RRS, 375RS

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BH92964	$DP_8270SSR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	1100	250	1000	1000	ug/Kg
BH92964	$DP_8270SSR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	1200	250	1000	1000	ug/Kg
BH92964	$DP_8270SSR	Chrysene	NY / 375-6.8 Semivolatiles / Residential	1200	250	1000	1000	ug/Kg
BH92964	$DP_8270SSR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	1100	250	1000	1000	ug/Kg
BH92964	$DP_8270SSR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	1200	250	1000	1000	ug/Kg
BH92964	$DP_8270SSR	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1200	250	1000	1000	ug/Kg
BH92964	$DP_8270SSR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1200	250	1000	1000	ug/Kg
BH92964	$DP_8270SSR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1100	250	1000	1000	ug/Kg
BH92965	$PCB_SMRDP	PCB-1260	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	750	35	100	100	ug/Kg
BH92965	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	80.0	0.32	50	50	mg/kg
BH92965	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.30	0.03	0.18	0.18	mg/Kg
BH92966	$8260MADPR	Acetone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	110	41	50	50	ug/Kg
BH92966	$DP_8270SSR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	1500	260	1000	1000	ug/Kg
BH92966	$DP_8270SSR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	2000	260	1000	1000	ug/Kg
BH92966	$DP_8270SSR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	770	260	500	500	ug/Kg
BH92966	$DP_8270SSR	Chrysene	NY / 375-6.8 Semivolatiles / Residential	1900	260	1000	1000	ug/Kg
BH92966	$DP_8270SSR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	1900	260	1000	1000	ug/Kg
BH92966	$DP_8270SSR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	770	260	500	500	ug/Kg
BH92966	$DP_8270SSR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	1900	260	1000	1000	ug/Kg
BH92966	$DP_8270SSR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	1500	260	1000	1000	ug/Kg
BH92966	$DP_8270SSR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	2000	260	1000	1000	ug/Kg
BH92966	$DP_8270SSR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1900	260	1000	1000	ug/Kg
BH92966	$DP_8270SSR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2000	260	1000	1000	ug/Kg
BH92966	$DP_8270SSR	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1900	260	1000	1000	ug/Kg
BH92966	$DP_8270SSR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	770	260	500	500	ug/Kg
BH92966	$DP_8270SSR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1500	260	1000	1000	ug/Kg
BH92967	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.38	0.03	0.18	0.18	mg/Kg
BH92968	$8260MADPR	Benzene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	170	310	60	60	ug/Kg
BH92968	$8260MADPR	Toluene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	740	310	700	700	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

April 14, 2015

SDG I.D.: GBH92956

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

Coolant: Cooler: Yes ✓ No ☐ ; PK ☐ ICE ✓ No ☐

Temp 1 °C Pg 1 of 2

PHOENIX Environmental Laboratories, Inc.

NY/NJ CHAIN OF CUSTODY RECORD

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

Contact Options:
☐ Fax:
☐ Phone:
☒ Email: File

Customer: EBC
Address: 1808 Middle Country Rd Ridge NY

Project: W 36th St, Manhattan NY
Report to: EBC
Invoice to: EBC

Project P.O:

This section MUST be completed with Bottle Quantities.

Client Sample - Information - Identification

Sampler's Signature: Greg Swirson Date: 4/3/15

Analysis Request

Matrix Code:
DW=Drinking Water **GW**=Ground Water **SW**=Surface Water **WW**=Waste Water
RW=Raw Water **SE**=Sediment **SL**=Sludge **S**=Soil **SD**=Solid **W**=Wipe
OIL=Oil **B**=Bulk **L**=Liquid

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	VOCs 8260	SVOCs 8270 (625)	PCBs	TAL metals	Soil VOA Vials [X] methanol [ ] H2O	GL Soil container (8) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
92956	B1 0-2	S	4/3/15	900			X	X									1	
92957	B2 0-2	S		915			X	X									1	
92958	B2 5-7	S		930	X	X										3	1	
92959	B3 0-2			945			X	X									1	
92960	B3 3-5			1000	X	X										3	1	
92961	B4 0-2			1015			X	X									1	
92962	B4 3-5			1030	X	X										3	1	
92963	B7 0-2			1045			X	X									1	
92964	B7 3-5			1100	X	X										3	1	
92965	B8 0-2			1115			X	X									1	
92966	B8 4-6			1130	X	X										3	1	

Relinquished by:	Accepted by:	Date:	Time:
[signature]	[signature]	4-7-15	12:00
[signature]	[signature]	4-7-15	1558

Comments, Special Requirements or Regulations:

48 hour TAT

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

* SURCHARGE APPLIES

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

NY
☐ TAGM 4046 GW
☐ TAGM 4046 SOIL
☒ NY375 Unrestricted Use Soil
☒ NY375 Residential Soil
☒ Restricted/Residential
☐ Commercial
☐ Industrial

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

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

State where samples were collected: NY

Cooler: Yes ✓ No
Coolant: ✓ IPK ICE No
Temp °C Pg 2 of 2

PHOENIX
Environmental Laboratories, Inc.

NY/NJ CHAIN OF CUSTODY RECORD

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

Contact Options:
- [ ] Fax:
- [ ] Phone:
- [x] Email: File

Customer: EBC
Address: 1805 Middle Country Rd Ridge NY
Project: W 36th St Manhattan NY
Report to:
Invoice to:
Project P.O:

This section MUST be completed with Bottle Quantities.

Client Sample - Information - Identification
Sampler's Signature: Greg Gurson Date: 4/3/15

Matrix Code:
DW=Drinking Water **GW**=Ground Water **SW**=Surface Water **WW**=Waste Water
RW=Raw Water **SE**=Sediment **SL**=Sludge **S**=Soil **SD**=Solid **W**=Wipe
OIL=Oil **B**=Bulk **L**=Liquid

Analysis Request

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	VOCs 8260	SVOCs 8270	PCBs (CP51)	TAL Metals	Soil VOA Vials [X] methanol [ ] H2O	GL Soil container (4) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [X] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
92967	B9 0-2	S	4/3/15	1145			X	X		1								
92968	B9 4-6	S	↓	1200	X	X			3	1								
92969	GW 1	GW	↓	1230	X							3						
92970	GW 2	GW	↓	100	X							3						

Relinquished by:	Accepted by:	Date:	Time:
[signature]	[signature]	4-7-15	12:00
	[signature]	4-7-15	1558

Comments, Special Requirements or Regulations:

48 hour TAT

Turnaround:
- [ ] 1 Day*
- [x] 2 Days*
- [ ] 3 Days*
- [x] 5 Days
- [ ] 10 Days
- [ ] Other

* SURCHARGE APPLIES

NJ
- [ ] Res. Criteria
- [ ] Non-Res. Criteria
- [ ] Impact to GW Soil Cleanup Criteria
- [ ] GW Criteria

NY
- [ ] TAGM 4046 GW
- [ ] TAGM 4046 SOIL
- [x] NY375 Unrestricted Use Soil
- [x] NY375 Residential Soil
- [x] Restricted/Residential
- [ ] Commercial
- [ ] Industrial

Data Format
- [ ] Phoenix Std Report
- [x] Excel
- [x] PDF
- [ ] GIS/Key
- [x] EQuIS
- [ ] NJ Hazsite EDD
- [x] NY EZ EDD (ASP)
- [ ] Other

Data Package
- [ ] NJ Reduced Deliv. *
- [x] NY Enhanced (ASP B) *
- [ ] Other

State where samples were collected: NY