PHOENIX
Environmental Laboratories, Inc.

Tuesday, August 11, 2020

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

Project ID: 64 CENTRE AVE, NEW ROCHELLE NY
SDG ID: GCG47143
Sample ID#s: CG47143 - CG47158

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. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

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 are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Sincerely yours,

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #M-CT007
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
UT Lab Registration #CT00007
VT Lab Registration #VT11301

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

NY # 11301

SDG Comments

August 11, 2020

SDG I.D.: GCG47143

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

CG47152 - The client provided an ENCORE sample. Phoenix prepared sample per method 5035.

CG47154 - The client provided an ENCORE sample. Phoenix prepared sample per method 5035.

CG47156 - The client provided an ENCORE sample. Phoenix prepared sample per method 5035.

CG47158 - The client provided an ENCORE sample. Phoenix prepared sample per method 5035.

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Sample Id Cross Reference

August 11, 2020

SDG I.D.: GCG47143

Project ID: 64 CENTRE AVE, NEW ROCHELLE NY

Client Id	Lab Id	Matrix
64B COMP (0-2`)	CG47143	SOIL
64B GRAB (0-2`)	CG47144	SOIL
64B COMP (2-4`)	CG47145	SOIL
64B GRAB (2-4`)	CG47146	SOIL
64B COMP (4-6`)	CG47147	SOIL
64B GRAB (4-6`)	CG47148	SOIL
64B COMP (6-8`)	CG47149	SOIL
64B GRAB (6-8`)	CG47150	SOIL
64B COMP (8-10`)	CG47151	SOIL
64B GRAB (8-10`)	CG47152	SOIL
64B COMP (10-12`)	CG47153	SOIL
64B GRAB (10-12`)	CG47154	SOIL
64B COMP (12-14`)	CG47155	SOIL
64B GRAB (12-14`)	CG47156	SOIL
64B COMP (14-16`)	CG47157	SOIL
64B GRAB (14-16`)	CG47158	SOIL

PHOENIX

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Analysis Report

August 11, 2020

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:	DM	08/03/20	17:10
Location Code:	EBC	Received by:	CP	08/04/20	15:52
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCG47143
Phoenix ID: CG47143

Project ID: 64 CENTRE AVE, NEW ROCHELLE NY
Client ID: 64B COMP (0-2`)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Silver	< 0.38	0.38		mg/Kg	1	08/05/20	TH	SW6010D	
Aluminum	15400	38		mg/Kg	10	08/05/20	TH	SW6010D	
Arsenic	2.96	0.75		mg/Kg	1	08/05/20	TH	SW6010D	
Barium	117	0.8		mg/Kg	1	08/05/20	TH	SW6010D	
Beryllium	0.53	0.30		mg/Kg	1	08/05/20	TH	SW6010D	
Calcium	1860	3.8		mg/Kg	1	08/05/20	TH	SW6010D	
Cadmium	0.92	0.38		mg/Kg	1	08/05/20	TH	SW6010D	
Cobalt	9.83	0.38		mg/Kg	1	08/05/20	TH	SW6010D	
Chromium	35.7	0.38		mg/Kg	1	08/05/20	TH	SW6010D	
Copper	24.4	0.8		mg/kg	1	08/05/20	TH	SW6010D	
Iron	20300	38		mg/Kg	10	08/05/20	EK	SW6010D	B
Mercury	0.33	0.03		mg/Kg	2	08/05/20	RS	SW7471B	
Potassium	2180	75		mg/Kg	10	08/05/20	EK	SW6010D	B
Magnesium	4060	3.8		mg/Kg	1	08/05/20	TH	SW6010D	
Manganese	720	3.8		mg/Kg	10	08/05/20	EK	SW6010D	
Molybdenum	< 0.38	0.38		mg/Kg	1	08/05/20	TH	SW6010D	
Sodium	455	8		mg/Kg	1	08/05/20	EK	SW6010D	B
Nickel	30.9	0.38		mg/Kg	1	08/05/20	TH	SW6010D	
Lead	152	0.8		mg/Kg	1	08/05/20	TH	SW6010D	
Antimony	< 3.8	3.8		mg/Kg	1	08/05/20	TH	SW6010D	
Selenium	< 1.5	1.5		mg/Kg	1	08/05/20	TH	SW6010D	
TCLP Silver	< 0.10	0.10		mg/L	1	08/06/20	TH	SW846 1311/6010	
TCLP Arsenic	< 0.10	0.10		mg/L	1	08/06/20	TH	SW846 1311/6010	1
TCLP Barium	0.38	0.10		mg/L	1	08/06/20	TH	SW846 1311/6010	
TCLP Cadmium	< 0.050	0.050		mg/L	1	08/06/20	TH	SW846 1311/6010	
TCLP Chromium	< 0.10	0.10		mg/L	1	08/06/20	TH	SW846 1311/6010	
TCLP Copper	< 0.10	0.10		mg/L	1	08/06/20	TH	SW846 1311/6010	
TCLP Mercury	< 0.0002	0.0002		mg/L	1	08/06/20	RS	SW846 1311/7470	1

Ver 1

Project ID: 64 CENTRE AVE, NEW ROCHELLE NY
Client ID: 64B COMP (0-2`)

Phoenix I.D.: CG47143

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By		
TCLP Nickel	< 0.10	0.10		mg/L	1	08/06/20	TH	SW846 1311/6010	
TCLP Lead	0.15	0.10		mg/L	1	08/06/20	TH	SW846 1311/6010	
TCLP Selenium	< 0.10	0.10		mg/L	1	08/06/20	TH	SW846 1311/6010D	
TCLP Zinc	< 0.10	0.10		mg/L	1	08/06/20	TH	SW846 1311/6010D	
Thallium	< 1.5	1.5		mg/Kg	1	08/05/20	TH	SW6010D	
TCLP Metals Digestion	Completed					08/05/20	VT/VT	SW3010A	
Vanadium	32.8	0.38		mg/Kg	1	08/05/20	TH	SW6010D	
Zinc	56.8	0.8		mg/Kg	1	08/05/20	TH	SW6010D	
Percent Solid	84			%		08/04/20	HB	SW846-%Solid	
Corrosivity	Negative			Pos/Neg	1	08/04/20	MB	SW846-Corr	1
Flash Point	>200	200		Degree F	1	08/07/20	ARG	1010/CH7/ASTMD92	
Chromium, Hex. (SW3060 digestion)	< 0.46	0.46		mg/Kg	1	08/07/20	ARG/BJA	SW7196A	
Ignitability	Passed	140		degree F	1	08/07/20	ARG	SW846-Ignit	1
pH at 25C - Soil	7.95	1.00		pH Units	1	08/04/20 22:28	MB	SW846 9045	1
Reactivity Cyanide	< 6	6		mg/Kg	1	08/06/20	EG	SW846 7.3.3.1/90	1
Reactivity Sulfide	< 20	20		mg/Kg	1	08/06/20	DJ/ARG	SW846 CH7	1
Reactivity	Negative			Pos/Neg	1	08/06/20	ARG	SW846-React	1
Redox Potential	148			mV	1	08/04/20	MB	SM2580B-09	1
Total Cyanide (SW9010C Distill.)	< 0.54	0.54		mg/Kg	1	08/07/20	EG	SW9012B	
Soil Extraction for PCB	Completed					08/04/20	L/E	SW3545A	
Soil Extraction for Pesticides	Completed					08/04/20	L/E	SW3545A	
Mercury Digestion	Completed					08/05/20	VT/VT	SW7471B	
Soil Extraction for SVOA	Completed					08/04/20	R/M	SW3546	
NJ EPH Extraction	Completed					08/04/20	K/E	NJDEP 10-08 R3	
Soil Extraction for Herbicide	Completed					08/04/20	J/D/AK	SW3550C	
TCLP Digestion Mercury	Completed					08/05/20	VT/VT	SW7470A	
TCLP Extraction for Metals	Completed					08/04/20	VT	SW1311	
Total Metals Digest	Completed					08/04/20	F/AG/BF	SW3050B	
NJ EPH Category 2									
Total EPH (C9-C40)	ND	58	58	mg/kg	1	08/05/20	JRB	NJEPH 10-08 R3	1
QA/QC Surrogates									
% COD (surr)	40			%	1	08/05/20	JRB	40 - 140 %	
% Terphenyl (surr)	50			%	1	08/05/20	JRB	40 - 140 %	
Chlorinated Herbicides									
2,4,5-T	ND	99		ug/Kg	10	08/05/20	JRB	SW8151A	
2,4,5-TP (Silvex)	ND	99		ug/Kg	10	08/05/20	JRB	SW8151A	
2,4-D	ND	200		ug/Kg	10	08/05/20	JRB	SW8151A	
2,4-DB	ND	2000		ug/Kg	10	08/05/20	JRB	SW8151A	
Dalapon	ND	99		ug/Kg	10	08/05/20	JRB	SW8151A	
Dicamba	ND	99		ug/Kg	10	08/05/20	JRB	SW8151A	
Dichloroprop	ND	200		ug/Kg	10	08/05/20	JRB	SW8151A	
Dinoseb	ND	200		ug/Kg	10	08/05/20	JRB	SW8151A	
QA/QC Surrogates									
% DCAA	53			%	10	08/05/20	JRB	30 - 150 %	
% DCAA (Confirmation)	62			%	10	08/05/20	JRB	30 - 150 %	
Polychlorinated Biphenyls									
PCB-1016	ND	79	79	ug/Kg	2	08/05/20	SC	SW8082A	

Ver 1

Project ID: 64 CENTRE AVE, NEW ROCHELLE NY
Client ID: 64B COMP (0-2`)

Phoenix I.D.: CG47143

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	
PCB-1221	ND	79	79	ug/Kg	2	08/05/20	SC	SW8082A
PCB-1232	ND	79	79	ug/Kg	2	08/05/20	SC	SW8082A
PCB-1242	ND	79	79	ug/Kg	2	08/05/20	SC	SW8082A
PCB-1248	ND	79	79	ug/Kg	2	08/05/20	SC	SW8082A
PCB-1254	ND	79	79	ug/Kg	2	08/05/20	SC	SW8082A
PCB-1260	ND	79	79	ug/Kg	2	08/05/20	SC	SW8082A
PCB-1262	ND	79	79	ug/Kg	2	08/05/20	SC	SW8082A
PCB-1268	ND	79	79	ug/Kg	2	08/05/20	SC	SW8082A
QA/QC Surrogates								
% DCBP	71			%	2	08/05/20	SC	30 - 150 %
% DCBP (Confirmation)	74			%	2	08/05/20	SC	30 - 150 %
% TCMX	65			%	2	08/05/20	SC	30 - 150 %
% TCMX (Confirmation)	65			%	2	08/05/20	SC	30 - 150 %
Pesticides - Soil								
4,4' -DDD	ND	2.4		ug/Kg	2	08/05/20	CG	SW8081B
4,4' -DDE	ND	2.4		ug/Kg	2	08/05/20	CG	SW8081B
4,4' -DDT	ND	2.4		ug/Kg	2	08/05/20	CG	SW8081B
a-BHC	ND	7.9		ug/Kg	2	08/05/20	CG	SW8081B
a-Chlordane	ND	3.9		ug/Kg	2	08/05/20	CG	SW8081B
Aldrin	ND	3.9		ug/Kg	2	08/05/20	CG	SW8081B
b-BHC	ND	7.9		ug/Kg	2	08/05/20	CG	SW8081B
Chlordane	ND	39		ug/Kg	2	08/05/20	CG	SW8081B
d-BHC	ND	7.9		ug/Kg	2	08/05/20	CG	SW8081B
Dieldrin	ND	3.9		ug/Kg	2	08/05/20	CG	SW8081B
Endosulfan I	ND	7.9		ug/Kg	2	08/05/20	CG	SW8081B
Endosulfan II	ND	7.9		ug/Kg	2	08/05/20	CG	SW8081B
Endosulfan sulfate	ND	7.9		ug/Kg	2	08/05/20	CG	SW8081B
Endrin	ND	7.9		ug/Kg	2	08/05/20	CG	SW8081B
Endrin aldehyde	ND	7.9		ug/Kg	2	08/05/20	CG	SW8081B
Endrin ketone	ND	7.9		ug/Kg	2	08/05/20	CG	SW8081B
g-BHC	ND	1.6		ug/Kg	2	08/05/20	CG	SW8081B
g-Chlordane	ND	3.9		ug/Kg	2	08/05/20	CG	SW8081B
Heptachlor	ND	7.9		ug/Kg	2	08/05/20	CG	SW8081B
Heptachlor epoxide	ND	7.9		ug/Kg	2	08/05/20	CG	SW8081B
Methoxychlor	ND	39		ug/Kg	2	08/05/20	CG	SW8081B
Toxaphene	ND	160		ug/Kg	2	08/05/20	CG	SW8081B
QA/QC Surrogates								
% DCBP	61			%	2	08/05/20	CG	30 - 150 %
% DCBP (Confirmation)	63			%	2	08/05/20	CG	30 - 150 %
% TCMX	50			%	2	08/05/20	CG	30 - 150 %
% TCMX (Confirmation)	51			%	2	08/05/20	CG	30 - 150 %
Semivolatiles								
1,2,4,5-Tetrachlorobenzene	ND	270	140	ug/Kg	1	08/05/20	WB	SW8270D
1,2,4-Trichlorobenzene	ND	270	120	ug/Kg	1	08/05/20	WB	SW8270D
1,2-Dichlorobenzene	ND	270	110	ug/Kg	1	08/05/20	WB	SW8270D
1,2-Diphenylhydrazine	ND	270	130	ug/Kg	1	08/05/20	WB	SW8270D
1,3-Dichlorobenzene	ND	270	120	ug/Kg	1	08/05/20	WB	SW8270D
1,4-Dichlorobenzene	ND	270	120	ug/Kg	1	08/05/20	WB	SW8270D

Project ID: 64 CENTRE AVE, NEW ROCHELLE NY
Client ID: 64B COMP (0-2`)

Phoenix I.D.: CG47143

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By		
2,4,5-Trichlorophenol	ND	270	210	ug/Kg	1	08/05/20	WB	SW8270D	
2,4,6-Trichlorophenol	ND	200	130	ug/Kg	1	08/05/20	WB	SW8270D	
2,4-Dichlorophenol	ND	200	140	ug/Kg	1	08/05/20	WB	SW8270D	
2,4-Dimethylphenol	ND	270	97	ug/Kg	1	08/05/20	WB	SW8270D	
2,4-Dinitrophenol	ND	270	270	ug/Kg	1	08/05/20	WB	SW8270D	
2,4-Dinitrotoluene	ND	200	150	ug/Kg	1	08/05/20	WB	SW8270D	
2,6-Dinitrotoluene	ND	200	120	ug/Kg	1	08/05/20	WB	SW8270D	
2-Chloronaphthalene	ND	270	110	ug/Kg	1	08/05/20	WB	SW8270D	
2-Chlorophenol	ND	270	110	ug/Kg	1	08/05/20	WB	SW8270D	
2-Methylnaphthalene	ND	270	120	ug/Kg	1	08/05/20	WB	SW8270D	
2-Methylphenol (o-cresol)	ND	270	180	ug/Kg	1	08/05/20	WB	SW8270D	
2-Nitroaniline	ND	100	100	ug/Kg	1	08/05/20	WB	SW8270D	
2-Nitrophenol	ND	270	250	ug/Kg	1	08/05/20	WB	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND	270	150	ug/Kg	1	08/05/20	WB	SW8270D	1
3,3'-Dichlorobenzidine	ND	200	180	ug/Kg	1	08/05/20	WB	SW8270D	
3-Nitroaniline	ND	91	91	ug/Kg	1	08/05/20	WB	SW8270D	
4,6-Dinitro-2-methylphenol	ND	230	78	ug/Kg	1	08/05/20	WB	SW8270D	
4-Bromophenyl phenyl ether	ND	270	120	ug/Kg	1	08/05/20	WB	SW8270D	
4-Chloro-3-methylphenol	ND	270	140	ug/Kg	1	08/05/20	WB	SW8270D	
4-Chloroaniline	ND	310	180	ug/Kg	1	08/05/20	WB	SW8270D	
4-Chlorophenyl phenyl ether	ND	270	130	ug/Kg	1	08/05/20	WB	SW8270D	
4-Nitroaniline	ND	86	86	ug/Kg	1	08/05/20	WB	SW8270D	
4-Nitrophenol	ND	390	180	ug/Kg	1	08/05/20	WB	SW8270D	
Acenaphthene	ND	270	120	ug/Kg	1	08/05/20	WB	SW8270D	
Acenaphthylene	ND	270	110	ug/Kg	1	08/05/20	WB	SW8270D	
Acetophenone	ND	270	120	ug/Kg	1	08/05/20	WB	SW8270D	
Aniline	ND	310	310	ug/Kg	1	08/05/20	WB	SW8270D	
Anthracene	ND	270	130	ug/Kg	1	08/05/20	WB	SW8270D	
Benz(a)anthracene	ND	270	130	ug/Kg	1	08/05/20	WB	SW8270D	
Benzidine	ND	340	230	ug/Kg	1	08/05/20	WB	SW8270D	
Benzo(a)pyrene	ND	200	130	ug/Kg	1	08/05/20	WB	SW8270D	
Benzo(b)fluoranthene	ND	270	130	ug/Kg	1	08/05/20	WB	SW8270D	
Benzo(ghi)perylene	ND	270	130	ug/Kg	1	08/05/20	WB	SW8270D	
Benzo(k)fluoranthene	ND	270	130	ug/Kg	1	08/05/20	WB	SW8270D	
Benzoic acid	ND	2000	780	ug/Kg	1	08/05/20	WB	SW8270D	
Benzyl butyl phthalate	ND	270	100	ug/Kg	1	08/05/20	WB	SW8270D	
Bis(2-chloroethoxy)methane	ND	270	110	ug/Kg	1	08/05/20	WB	SW8270D	
Bis(2-chloroethyl)ether	ND	78	78	ug/Kg	1	08/05/20	WB	SW8270D	
Bis(2-chloroisopropyl)ether	ND	270	110	ug/Kg	1	08/05/20	WB	SW8270D	
Bis(2-ethylhexyl)phthalate	ND	270	110	ug/Kg	1	08/05/20	WB	SW8270D	
Carbazole	ND	200	160	ug/Kg	1	08/05/20	WB	SW8270D	
Chrysene	ND	270	130	ug/Kg	1	08/05/20	WB	SW8270D	
Dibenz(a,h)anthracene	ND	200	130	ug/Kg	1	08/05/20	WB	SW8270D	
Dibenzofuran	ND	270	110	ug/Kg	1	08/05/20	WB	SW8270D	
Diethyl phthalate	ND	270	120	ug/Kg	1	08/05/20	WB	SW8270D	
Dimethylphthalate	ND	270	120	ug/Kg	1	08/05/20	WB	SW8270D	
Di-n-butylphthalate	ND	270	100	ug/Kg	1	08/05/20	WB	SW8270D	
Di-n-octylphthalate	ND	270	100	ug/Kg	1	08/05/20	WB	SW8270D	
Fluoranthene	ND	270	130	ug/Kg	1	08/05/20	WB	SW8270D	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	
Fluorene	ND	270	130	ug/Kg	1	08/05/20	WB	SW8270D
Hexachlorobenzene	ND	200	110	ug/Kg	1	08/05/20	WB	SW8270D
Hexachlorobutadiene	ND	270	140	ug/Kg	1	08/05/20	WB	SW8270D
Hexachlorocyclopentadiene	ND	270	120	ug/Kg	1	08/05/20	WB	SW8270D
Hexachloroethane	ND	200	120	ug/Kg	1	08/05/20	WB	SW8270D
Indeno(1,2,3-cd)pyrene	ND	270	130	ug/Kg	1	08/05/20	WB	SW8270D
Isophorone	ND	200	110	ug/Kg	1	08/05/20	WB	SW8270D
Naphthalene	ND	270	110	ug/Kg	1	08/05/20	WB	SW8270D
Nitrobenzene	ND	200	140	ug/Kg	1	08/05/20	WB	SW8270D
N-Nitrosodimethylamine	ND	78	78	ug/Kg	1	08/05/20	WB	SW8270D
N-Nitrosodi-n-propylamine	ND	78	78	ug/Kg	1	08/05/20	WB	SW8270D
N-Nitrosodiphenylamine	ND	270	150	ug/Kg	1	08/05/20	WB	SW8270D
Pentachloronitrobenzene	ND	270	150	ug/Kg	1	08/05/20	WB	SW8270D
Pentachlorophenol	ND	230	150	ug/Kg	1	08/05/20	WB	SW8270D
Phenanthrene	ND	270	110	ug/Kg	1	08/05/20	WB	SW8270D
Phenol	ND	270	130	ug/Kg	1	08/05/20	WB	SW8270D
Pyrene	ND	270	130	ug/Kg	1	08/05/20	WB	SW8270D
Pyridine	ND	220	96	ug/Kg	1	08/05/20	WB	SW8270D
QA/QC Surrogates								
% 2,4,6-Tribromophenol	122			%	1	08/05/20	WB	30 - 130 %
% 2-Fluorobiphenyl	83			%	1	08/05/20	WB	30 - 130 %
% 2-Fluorophenol	64			%	1	08/05/20	WB	30 - 130 %
% Nitrobenzene-d5	79			%	1	08/05/20	WB	30 - 130 %
% Phenol-d5	78			%	1	08/05/20	WB	30 - 130 %
% Terphenyl-d14	91			%	1	08/05/20	WB	30 - 130 %

Additional Semi-Volatile Compounds

1,1-Biphenyl	ND	270	120	ug/Kg	1	08/05/20	WB	SW8270D
1,2,4,5-Tetrachlorobenzene	ND	270	140	ug/Kg	1	08/05/20	WB	SW8270D
Atrazine	ND	130	78	ug/Kg	1	08/05/20	WB	SW8270D
Benzaldehyde	ND	270	120	ug/Kg	1	08/05/20	WB	SW8270D
Benzo(a)pyrene	ND	270	130	ug/Kg	1	08/05/20	WB	SW8270D
Caprolactam	ND	160	160	ug/Kg	1	08/05/20	WB	SW8270D
QA/QC Surrogates								
% 2,4,6-Tribromophenol	122			%	1	08/05/20	WB	30 - 130 %
% 2-Fluorobiphenyl	83			%	1	08/05/20	WB	30 - 130 %
% 2-Fluorophenol	64			%	1	08/05/20	WB	30 - 130 %
% Nitrobenzene-d5	79			%	1	08/05/20	WB	30 - 130 %
% Phenol-d5	78			%	1	08/05/20	WB	30 - 130 %
% Terphenyl-d14	91			%	1	08/05/20	WB	30 - 130 %
Pyridine	ND	220		ug/Kg	1	08/05/20	WB	SW8270D
SVOA Library Search Top 15	Completed					08/05/20	MR	

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

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Semi-Volatile Comment:
Due to low QC recoveries the RL/PQL of some compounds have been evaluated below the lowest calibration standard in order account for possible sample bias and meet criteria: 2,4-dintrophenol, 4,6-Dinitro-2-methylphenol, and Benzidine.

Corrosivity is based solely on the pH analysis performed above.

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

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

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

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

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

Semi-Volatile Comment:
To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

Hexavalent Chromium:
This sample is in a reducing state.

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

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director
August 11, 2020
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

August 11, 2020

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:	DM	08/03/20	14:40
Location Code:	EBC	Received by:	CP	08/04/20	15:52
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCG47143
Phoenix ID: CG47144

Project ID: 64 CENTRE AVE, NEW ROCHELLE NY
Client ID: 64B GRAB (0-2`)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Percent Solid	91			%		08/04/20	HB	SW846-%Solid	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	4.4	0.88	ug/Kg	1	08/06/20	JLI	SW8260C	
1,1,1-Trichloroethane	ND	4.4	0.44	ug/Kg	1	08/06/20	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	4.4	0.88	ug/Kg	1	08/06/20	JLI	SW8260C	
1,1,2-Trichloroethane	ND	4.4	0.88	ug/Kg	1	08/06/20	JLI	SW8260C	
1,1-Dichloroethane	ND	4.4	0.88	ug/Kg	1	08/06/20	JLI	SW8260C	
1,1-Dichloroethene	ND	4.4	0.44	ug/Kg	1	08/06/20	JLI	SW8260C	
1,1-Dichloropropene	ND	4.4	0.44	ug/Kg	1	08/06/20	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	4.4	0.88	ug/Kg	1	08/06/20	JLI	SW8260C	
1,2,3-Trichloropropane	ND	4.4	0.44	ug/Kg	1	08/06/20	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	4.4	0.88	ug/Kg	1	08/06/20	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	4.4	0.44	ug/Kg	1	08/06/20	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	4.4	0.88	ug/Kg	1	08/06/20	JLI	SW8260C	
1,2-Dibromoethane	ND	1.2	0.44	ug/Kg	1	08/06/20	JLI	SW8260C	
1,2-Dichlorobenzene	ND	4.4	0.44	ug/Kg	1	08/06/20	JLI	SW8260C	
1,2-Dichloroethane	ND	4.4	0.44	ug/Kg	1	08/06/20	JLI	SW8260C	
1,2-Dichloropropane	ND	4.4	0.88	ug/Kg	1	08/06/20	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	4.4	0.44	ug/Kg	1	08/06/20	JLI	SW8260C	
1,3-Dichlorobenzene	ND	4.4	0.44	ug/Kg	1	08/06/20	JLI	SW8260C	
1,3-Dichloropropane	ND	4.4	0.88	ug/Kg	1	08/06/20	JLI	SW8260C	
1,4-Dichlorobenzene	ND	4.4	0.44	ug/Kg	1	08/06/20	JLI	SW8260C	
2,2-Dichloropropane	ND	4.4	0.44	ug/Kg	1	08/06/20	JLI	SW8260C	
2-Chlorotoluene	ND	4.4	0.88	ug/Kg	1	08/06/20	JLI	SW8260C	
2-Hexanone	ND	22	4.4	ug/Kg	1	08/06/20	JLI	SW8260C	
2-Isopropyltoluene	ND	4.4	0.44	ug/Kg	1	08/06/20	JLI	SW8260C	1
4-Chlorotoluene	ND	4.4	0.44	ug/Kg	1	08/06/20	JLI	SW8260C	

Project ID: 64 CENTRE AVE, NEW ROCHELLE NY
Client ID: 64B GRAB (0-2`)

Phoenix I.D.: CG47144

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	
4-Methyl-2-pentanone	ND	22	4.4	ug/Kg	1	08/06/20	JLI	SW8260C
Acetone	ND	22	4.4	ug/Kg	1	08/06/20	JLI	SW8260C
Acrylonitrile	ND	8.8	0.88	ug/Kg	1	08/06/20	JLI	SW8260C
Benzene	ND	4.4	0.44	ug/Kg	1	08/06/20	JLI	SW8260C
Bromobenzene	ND	4.4	0.44	ug/Kg	1	08/06/20	JLI	SW8260C
Bromochloromethane	ND	4.4	0.44	ug/Kg	1	08/06/20	JLI	SW8260C
Bromodichloromethane	ND	4.4	0.88	ug/Kg	1	08/06/20	JLI	SW8260C
Bromoform	ND	4.4	0.88	ug/Kg	1	08/06/20	JLI	SW8260C
Bromomethane	ND	4.4	1.8	ug/Kg	1	08/06/20	JLI	SW8260C
Carbon Disulfide	ND	4.4	0.88	ug/Kg	1	08/06/20	JLI	SW8260C
Carbon tetrachloride	ND	4.4	0.88	ug/Kg	1	08/06/20	JLI	SW8260C
Chlorobenzene	ND	4.4	0.44	ug/Kg	1	08/06/20	JLI	SW8260C
Chloroethane	ND	4.4	0.44	ug/Kg	1	08/06/20	JLI	SW8260C
Chloroform	ND	4.4	0.44	ug/Kg	1	08/06/20	JLI	SW8260C
Chloromethane	ND	4.4	0.88	ug/Kg	1	08/06/20	JLI	SW8260C
cis-1,2-Dichloroethene	ND	4.4	0.44	ug/Kg	1	08/06/20	JLI	SW8260C
cis-1,3-Dichloropropene	ND	4.4	0.44	ug/Kg	1	08/06/20	JLI	SW8260C
Dibromochloromethane	ND	4.4	0.88	ug/Kg	1	08/06/20	JLI	SW8260C
Dibromomethane	ND	4.4	0.88	ug/Kg	1	08/06/20	JLI	SW8260C
Dichlorodifluoromethane	ND	4.4	0.44	ug/Kg	1	08/06/20	JLI	SW8260C
Ethylbenzene	ND	4.4	0.44	ug/Kg	1	08/06/20	JLI	SW8260C
Hexachlorobutadiene	ND	4.4	0.44	ug/Kg	1	08/06/20	JLI	SW8260C
Isopropylbenzene	ND	4.4	0.44	ug/Kg	1	08/06/20	JLI	SW8260C
m&p-Xylene	ND	4.4	0.88	ug/Kg	1	08/06/20	JLI	SW8260C
Methyl Ethyl Ketone	ND	26	4.4	ug/Kg	1	08/06/20	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	8.8	0.88	ug/Kg	1	08/06/20	JLI	SW8260C
Methylene chloride	ND	4.4	4.4	ug/Kg	1	08/06/20	JLI	SW8260C
Naphthalene	ND	4.4	0.88	ug/Kg	1	08/06/20	JLI	SW8260C
n-Butylbenzene	ND	4.4	0.44	ug/Kg	1	08/06/20	JLI	SW8260C
n-Propylbenzene	ND	4.4	0.88	ug/Kg	1	08/06/20	JLI	SW8260C
o-Xylene	ND	4.4	0.88	ug/Kg	1	08/06/20	JLI	SW8260C
p-Isopropyltoluene	ND	4.4	0.44	ug/Kg	1	08/06/20	JLI	SW8260C
sec-Butylbenzene	ND	4.4	0.44	ug/Kg	1	08/06/20	JLI	SW8260C
Styrene	ND	4.4	0.44	ug/Kg	1	08/06/20	JLI	SW8260C
tert-Butylbenzene	ND	4.4	0.44	ug/Kg	1	08/06/20	JLI	SW8260C
Tetrachloroethene	ND	4.4	0.88	ug/Kg	1	08/06/20	JLI	SW8260C
Tetrahydrofuran (THF)	ND	8.8	2.2	ug/Kg	1	08/06/20	JLI	SW8260C
Toluene	ND	4.4	0.44	ug/Kg	1	08/06/20	JLI	SW8260C
trans-1,2-Dichloroethene	ND	4.4	0.44	ug/Kg	1	08/06/20	JLI	SW8260C
trans-1,3-Dichloropropene	ND	4.4	0.44	ug/Kg	1	08/06/20	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	8.8	2.2	ug/Kg	1	08/06/20	JLI	SW8260C
Trichloroethene	ND	4.4	0.44	ug/Kg	1	08/06/20	JLI	SW8260C
Trichlorofluoromethane	ND	4.4	0.88	ug/Kg	1	08/06/20	JLI	SW8260C
Trichlorotrifluoroethane	ND	4.4	0.44	ug/Kg	1	08/06/20	JLI	SW8260C
Vinyl chloride	ND	4.4	0.44	ug/Kg	1	08/06/20	JLI	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	99			%	1	08/06/20	JLI	70 - 130 %
% Bromofluorobenzene	98			%	1	08/06/20	JLI	70 - 130 %
% Dibromofluoromethane	91			%	1	08/06/20	JLI	70 - 130 %

Ver 1

Project ID: 64 CENTRE AVE, NEW ROCHELLE NY
Client ID: 64B GRAB (0-2`)

Phoenix I.D.: CG47144

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By		
% Toluene-d8	99			%	1	08/06/20	JLI	70 - 130 %	
1,4-dioxane									
1,4-dioxane	ND	66		ug/kg	1	08/06/20	JLI	SW8260C	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	99			%	1	08/06/20	JLI	70 - 130 %	
% Bromofluorobenzene	98			%	1	08/06/20	JLI	70 - 130 %	
% Dibromofluoromethane	91			%	1	08/06/20	JLI	70 - 130 %	
% Toluene-d8	99			%	1	08/06/20	JLI	70 - 130 %	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	18		ug/Kg	1	08/06/20	JLI	SW8260C	
Acrolein	ND	1.4		ug/Kg	1	08/06/20	JLI	SW8260C	
Acrylonitrile	ND	18		ug/Kg	1	08/06/20	JLI	SW8260C	
Tert-butyl alcohol	ND	88		ug/Kg	1	08/06/20	JLI	SW8260C	
Field Extraction	Completed					08/03/20		SW5035A	1

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Volatile Comment:
To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

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

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
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Phyllis Shiller, Laboratory Director

August 11, 2020

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

August 11, 2020

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:	DM	08/03/20	17:16
Location Code:	EBC	Received by:	CP	08/04/20	15:52
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCG47143
Phoenix ID: CG47145

Project ID: 64 CENTRE AVE, NEW ROCHELLE NY
Client ID: 64B COMP (2-4`)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Silver	< 0.37	0.37		mg/Kg	1	08/05/20	TH	SW6010D	
Aluminum	18500	37		mg/Kg	10	08/05/20	TH	SW6010D	
Arsenic	1.92	0.75		mg/Kg	1	08/05/20	TH	SW6010D	
Barium	121	0.7		mg/Kg	1	08/05/20	TH	SW6010D	
Beryllium	0.56	0.30		mg/Kg	1	08/05/20	TH	SW6010D	
Calcium	1220	3.7		mg/Kg	1	08/05/20	TH	SW6010D	
Cadmium	1.02	0.37		mg/Kg	1	08/05/20	TH	SW6010D	
Cobalt	13.0	0.37		mg/Kg	1	08/05/20	TH	SW6010D	
Chromium	36.9	0.37		mg/Kg	1	08/05/20	TH	SW6010D	
Copper	27.0	0.7		mg/kg	1	08/05/20	TH	SW6010D	
Iron	29200	37		mg/Kg	10	08/05/20	EK	SW6010D	B
Mercury	0.05	0.03		mg/Kg	2	08/05/20	RS	SW7471B	
Potassium	5600	75		mg/Kg	10	08/05/20	EK	SW6010D	B
Magnesium	5160	3.7		mg/Kg	1	08/05/20	TH	SW6010D	
Manganese	512	3.7		mg/Kg	10	08/05/20	EK	SW6010D	
Molybdenum	0.74	0.37		mg/Kg	1	08/05/20	TH	SW6010D	
Sodium	517	7		mg/Kg	1	08/05/20	EK	SW6010D	B
Nickel	27.2	0.37		mg/Kg	1	08/05/20	TH	SW6010D	
Lead	36.4	0.7		mg/Kg	1	08/05/20	TH	SW6010D	
Antimony	< 3.7	3.7		mg/Kg	1	08/05/20	TH	SW6010D	
Selenium	< 1.5	1.5		mg/Kg	1	08/05/20	TH	SW6010D	
TCLP Silver	< 0.10	0.10		mg/L	1	08/06/20	TH	SW846 1311/6010	
TCLP Arsenic	< 0.10	0.10		mg/L	1	08/06/20	TH	SW846 1311/6010	1
TCLP Barium	0.38	0.10		mg/L	1	08/06/20	TH	SW846 1311/6010	
TCLP Cadmium	< 0.050	0.050		mg/L	1	08/06/20	TH	SW846 1311/6010	
TCLP Chromium	< 0.10	0.10		mg/L	1	08/06/20	TH	SW846 1311/6010	
TCLP Copper	< 0.10	0.10		mg/L	1	08/06/20	TH	SW846 1311/6010	
TCLP Mercury	< 0.0002	0.0002		mg/L	1	08/06/20	RS	SW846 1311/7470	1

Ver 1

Project ID: 64 CENTRE AVE, NEW ROCHELLE NY
Client ID: 64B COMP (2-4`)

Phoenix I.D.: CG47145

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By		
TCLP Nickel	< 0.10	0.10		mg/L	1	08/06/20	TH	SW846 1311/6010	
TCLP Lead	0.16	0.10		mg/L	1	08/06/20	TH	SW846 1311/6010	
TCLP Selenium	< 0.10	0.10		mg/L	1	08/06/20	TH	SW846 1311/6010D	
TCLP Zinc	< 0.10	0.10		mg/L	1	08/06/20	TH	SW846 1311/6010D	
Thallium	< 1.5	1.5		mg/Kg	1	08/05/20	TH	SW6010D	
TCLP Metals Digestion	Completed					08/05/20	VT/VT	SW3010A	
Vanadium	43.3	0.37		mg/Kg	1	08/05/20	TH	SW6010D	
Zinc	50.2	0.7		mg/Kg	1	08/05/20	TH	SW6010D	
Percent Solid	87			%		08/04/20	HB	SW846-%Solid	
Corrosivity	Negative			Pos/Neg	1	08/04/20	MB	SW846-Corr	1
Flash Point	>200	200		Degree F	1	08/07/20	ARG	1010/CH7/ASTMD92	
Chromium, Hex. (SW3060 digestion)	< 0.45	0.45		mg/Kg	1	08/05/20	ARG/BJA	SW7196A	
Ignitability	Passed	140		degree F	1	08/07/20	ARG	SW846-Ignit	1
pH at 25C - Soil	7.71	1.00		pH Units	1	08/04/20 22:28	MB	SW846 9045	1
Reactivity Cyanide	< 6	6		mg/Kg	1	08/06/20	D/E/G	SW846 7.3.3.1/90	1
Reactivity Sulfide	< 20	20		mg/Kg	1	08/06/20	DJ/ARG	SW846 CH7	1
Reactivity	Negative			Pos/Neg	1	08/06/20	ARG	SW846-React	1
Redox Potential	214			mV	1	08/04/20	MB	SM2580B-09	1
Total Cyanide (SW9010C Distill.)	< 0.57	0.57		mg/Kg	1	08/07/20	EG	SW9012B	
Soil Extraction for PCB	Completed					08/04/20	L/A	SW3545A	
Soil Extraction for Pesticides	Completed					08/04/20	L/AA	SW3545A	
Mercury Digestion	Completed					08/05/20	VT/VT	SW7471B	
Soil Extraction for SVOA	Completed					08/04/20	R/M	SW3546	
NJ EPH Extraction	Completed					08/04/20	K/E	NJDEP 10-08 R3	
Soil Extraction for Herbicide	Completed					08/04/20	J/D/AK	SW3550C	
TCLP Digestion Mercury	Completed					08/05/20	VT/VT	SW7470A	
TCLP Extraction for Metals	Completed					08/04/20	VT	SW1311	
Total Metals Digest	Completed					08/04/20	F/AG/BF	SW3050B	
NJ EPH Category 2									
Total EPH (C9-C40)	ND	57	57	mg/kg	1	08/05/20	JRB	NJEPH 10-08 R3	1
QA/QC Surrogates									
% COD (surr)	51			%	1	08/05/20	JRB	40 - 140 %	
% Terphenyl (surr)	60			%	1	08/05/20	JRB	40 - 140 %	
Chlorinated Herbicides									
2,4,5-T	ND	96		ug/Kg	10	08/05/20	JRB	SW8151A	
2,4,5-TP (Silvex)	ND	96		ug/Kg	10	08/05/20	JRB	SW8151A	
2,4-D	ND	190		ug/Kg	10	08/05/20	JRB	SW8151A	
2,4-DB	ND	1900		ug/Kg	10	08/05/20	JRB	SW8151A	
Dalapon	ND	96		ug/Kg	10	08/05/20	JRB	SW8151A	
Dicamba	ND	96		ug/Kg	10	08/05/20	JRB	SW8151A	
Dichloroprop	ND	190		ug/Kg	10	08/05/20	JRB	SW8151A	
Dinoseb	ND	190		ug/Kg	10	08/05/20	JRB	SW8151A	
QA/QC Surrogates									
% DCAA	55			%	10	08/05/20	JRB	30 - 150 %	
% DCAA (Confirmation)	61			%	10	08/05/20	JRB	30 - 150 %	
Polychlorinated Biphenyls									
PCB-1016	ND	75	75	ug/Kg	2	08/06/20	SC	SW8082A	

Ver 1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	
PCB-1221	ND	75	75	ug/Kg	2	08/06/20	SC	SW8082A
PCB-1232	ND	75	75	ug/Kg	2	08/06/20	SC	SW8082A
PCB-1242	ND	75	75	ug/Kg	2	08/06/20	SC	SW8082A
PCB-1248	ND	75	75	ug/Kg	2	08/06/20	SC	SW8082A
PCB-1254	ND	75	75	ug/Kg	2	08/06/20	SC	SW8082A
PCB-1260	ND	75	75	ug/Kg	2	08/06/20	SC	SW8082A
PCB-1262	ND	75	75	ug/Kg	2	08/06/20	SC	SW8082A
PCB-1268	ND	75	75	ug/Kg	2	08/06/20	SC	SW8082A
QA/QC Surrogates								
% DCBP	73			%	2	08/06/20	SC	30 - 150 %
% DCBP (Confirmation)	71			%	2	08/06/20	SC	30 - 150 %
% TCMX	64			%	2	08/06/20	SC	30 - 150 %
% TCMX (Confirmation)	60			%	2	08/06/20	SC	30 - 150 %
Pesticides - Soil								
4,4' -DDD	ND	2.3		ug/Kg	2	08/05/20	CG	SW8081B
4,4' -DDE	ND	2.3		ug/Kg	2	08/05/20	CG	SW8081B
4,4' -DDT	ND	2.3		ug/Kg	2	08/05/20	CG	SW8081B
a-BHC	ND	7.5		ug/Kg	2	08/05/20	CG	SW8081B
a-Chlordane	ND	3.8		ug/Kg	2	08/05/20	CG	SW8081B
Aldrin	ND	3.8		ug/Kg	2	08/05/20	CG	SW8081B
b-BHC	ND	7.5		ug/Kg	2	08/05/20	CG	SW8081B
Chlordane	ND	38		ug/Kg	2	08/05/20	CG	SW8081B
d-BHC	ND	7.5		ug/Kg	2	08/05/20	CG	SW8081B
Dieldrin	ND	3.8		ug/Kg	2	08/05/20	CG	SW8081B
Endosulfan I	ND	7.5		ug/Kg	2	08/05/20	CG	SW8081B
Endosulfan II	ND	7.5		ug/Kg	2	08/05/20	CG	SW8081B
Endosulfan sulfate	ND	7.5		ug/Kg	2	08/05/20	CG	SW8081B
Endrin	ND	7.5		ug/Kg	2	08/05/20	CG	SW8081B
Endrin aldehyde	ND	7.5		ug/Kg	2	08/05/20	CG	SW8081B
Endrin ketone	ND	7.5		ug/Kg	2	08/05/20	CG	SW8081B
g-BHC	ND	1.5		ug/Kg	2	08/05/20	CG	SW8081B
g-Chlordane	ND	3.8		ug/Kg	2	08/05/20	CG	SW8081B
Heptachlor	ND	7.5		ug/Kg	2	08/05/20	CG	SW8081B
Heptachlor epoxide	ND	7.5		ug/Kg	2	08/05/20	CG	SW8081B
Methoxychlor	ND	38		ug/Kg	2	08/05/20	CG	SW8081B
Toxaphene	ND	150		ug/Kg	2	08/05/20	CG	SW8081B
QA/QC Surrogates								
% DCBP	46			%	2	08/05/20	CG	30 - 150 %
% DCBP (Confirmation)	48			%	2	08/05/20	CG	30 - 150 %
% TCMX	37			%	2	08/05/20	CG	30 - 150 %
% TCMX (Confirmation)	41			%	2	08/05/20	CG	30 - 150 %
Semivolatiles								
1,2,4,5-Tetrachlorobenzene	ND	270	130	ug/Kg	1	08/05/20	WB	SW8270D
1,2,4-Trichlorobenzene	ND	270	110	ug/Kg	1	08/05/20	WB	SW8270D
1,2-Dichlorobenzene	ND	270	110	ug/Kg	1	08/05/20	WB	SW8270D
1,2-Diphenylhydrazine	ND	270	120	ug/Kg	1	08/05/20	WB	SW8270D
1,3-Dichlorobenzene	ND	270	110	ug/Kg	1	08/05/20	WB	SW8270D
1,4-Dichlorobenzene	ND	270	110	ug/Kg	1	08/05/20	WB	SW8270D

Project ID: 64 CENTRE AVE, NEW ROCHELLE NY
Client ID: 64B COMP (2-4`)

Phoenix I.D.: CG47145

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By		
2,4,5-Trichlorophenol	ND	270	210	ug/Kg	1	08/05/20	WB	SW8270D	
2,4,6-Trichlorophenol	ND	190	120	ug/Kg	1	08/05/20	WB	SW8270D	
2,4-Dichlorophenol	ND	190	130	ug/Kg	1	08/05/20	WB	SW8270D	
2,4-Dimethylphenol	ND	270	94	ug/Kg	1	08/05/20	WB	SW8270D	
2,4-Dinitrophenol	ND	270	270	ug/Kg	1	08/05/20	WB	SW8270D	
2,4-Dinitrotoluene	ND	190	150	ug/Kg	1	08/05/20	WB	SW8270D	
2,6-Dinitrotoluene	ND	190	120	ug/Kg	1	08/05/20	WB	SW8270D	
2-Chloronaphthalene	ND	270	110	ug/Kg	1	08/05/20	WB	SW8270D	
2-Chlorophenol	ND	270	110	ug/Kg	1	08/05/20	WB	SW8270D	
2-Methylnaphthalene	ND	270	110	ug/Kg	1	08/05/20	WB	SW8270D	
2-Methylphenol (o-cresol)	ND	270	180	ug/Kg	1	08/05/20	WB	SW8270D	
2-Nitroaniline	ND	100	100	ug/Kg	1	08/05/20	WB	SW8270D	
2-Nitrophenol	ND	270	240	ug/Kg	1	08/05/20	WB	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND	270	150	ug/Kg	1	08/05/20	WB	SW8270D	1
3,3'-Dichlorobenzidine	ND	190	180	ug/Kg	1	08/05/20	WB	SW8270D	
3-Nitroaniline	ND	91	91	ug/Kg	1	08/05/20	WB	SW8270D	
4,6-Dinitro-2-methylphenol	ND	230	76	ug/Kg	1	08/05/20	WB	SW8270D	
4-Bromophenyl phenyl ether	ND	270	110	ug/Kg	1	08/05/20	WB	SW8270D	
4-Chloro-3-methylphenol	ND	270	130	ug/Kg	1	08/05/20	WB	SW8270D	
4-Chloroaniline	ND	300	180	ug/Kg	1	08/05/20	WB	SW8270D	
4-Chlorophenyl phenyl ether	ND	270	130	ug/Kg	1	08/05/20	WB	SW8270D	
4-Nitroaniline	ND	86	86	ug/Kg	1	08/05/20	WB	SW8270D	
4-Nitrophenol	ND	380	170	ug/Kg	1	08/05/20	WB	SW8270D	
Acenaphthene	ND	270	120	ug/Kg	1	08/05/20	WB	SW8270D	
Acenaphthylene	ND	270	110	ug/Kg	1	08/05/20	WB	SW8270D	
Acetophenone	ND	270	120	ug/Kg	1	08/05/20	WB	SW8270D	
Aniline	ND	300	300	ug/Kg	1	08/05/20	WB	SW8270D	
Anthracene	ND	270	120	ug/Kg	1	08/05/20	WB	SW8270D	
Benz(a)anthracene	ND	270	130	ug/Kg	1	08/05/20	WB	SW8270D	
Benzidine	ND	340	220	ug/Kg	1	08/05/20	WB	SW8270D	
Benzo(a)pyrene	ND	190	120	ug/Kg	1	08/05/20	WB	SW8270D	
Benzo(b)fluoranthene	ND	270	130	ug/Kg	1	08/05/20	WB	SW8270D	
Benzo(ghi)perylene	ND	270	120	ug/Kg	1	08/05/20	WB	SW8270D	
Benzo(k)fluoranthene	ND	270	130	ug/Kg	1	08/05/20	WB	SW8270D	
Benzoic acid	ND	1900	760	ug/Kg	1	08/05/20	WB	SW8270D	
Benzyl butyl phthalate	ND	270	98	ug/Kg	1	08/05/20	WB	SW8270D	
Bis(2-chloroethoxy)methane	ND	270	100	ug/Kg	1	08/05/20	WB	SW8270D	
Bis(2-chloroethyl)ether	ND	76	76	ug/Kg	1	08/05/20	WB	SW8270D	
Bis(2-chloroisopropyl)ether	ND	270	110	ug/Kg	1	08/05/20	WB	SW8270D	
Bis(2-ethylhexyl)phthalate	ND	270	110	ug/Kg	1	08/05/20	WB	SW8270D	
Carbazole	ND	190	150	ug/Kg	1	08/05/20	WB	SW8270D	
Chrysene	ND	270	130	ug/Kg	1	08/05/20	WB	SW8270D	
Dibenz(a,h)anthracene	ND	190	120	ug/Kg	1	08/05/20	WB	SW8270D	
Dibenzofuran	ND	270	110	ug/Kg	1	08/05/20	WB	SW8270D	
Diethyl phthalate	ND	270	120	ug/Kg	1	08/05/20	WB	SW8270D	
Dimethylphthalate	ND	270	120	ug/Kg	1	08/05/20	WB	SW8270D	
Di-n-butylphthalate	ND	270	100	ug/Kg	1	08/05/20	WB	SW8270D	
Di-n-octylphthalate	ND	270	98	ug/Kg	1	08/05/20	WB	SW8270D	
Fluoranthene	ND	270	120	ug/Kg	1	08/05/20	WB	SW8270D	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	
Fluorene	ND	270	130	ug/Kg	1	08/05/20	WB	SW8270D
Hexachlorobenzene	ND	190	110	ug/Kg	1	08/05/20	WB	SW8270D
Hexachlorobutadiene	ND	270	140	ug/Kg	1	08/05/20	WB	SW8270D
Hexachlorocyclopentadiene	ND	270	120	ug/Kg	1	08/05/20	WB	SW8270D
Hexachloroethane	ND	190	110	ug/Kg	1	08/05/20	WB	SW8270D
Indeno(1,2,3-cd)pyrene	ND	270	130	ug/Kg	1	08/05/20	WB	SW8270D
Isophorone	ND	190	110	ug/Kg	1	08/05/20	WB	SW8270D
Naphthalene	ND	270	110	ug/Kg	1	08/05/20	WB	SW8270D
Nitrobenzene	ND	190	130	ug/Kg	1	08/05/20	WB	SW8270D
N-Nitrosodimethylamine	ND	76	76	ug/Kg	1	08/05/20	WB	SW8270D
N-Nitrosodi-n-propylamine	ND	76	76	ug/Kg	1	08/05/20	WB	SW8270D
N-Nitrosodiphenylamine	ND	270	150	ug/Kg	1	08/05/20	WB	SW8270D
Pentachloronitrobenzene	ND	270	140	ug/Kg	1	08/05/20	WB	SW8270D
Pentachlorophenol	ND	230	140	ug/Kg	1	08/05/20	WB	SW8270D
Phenanthrene	ND	270	110	ug/Kg	1	08/05/20	WB	SW8270D
Phenol	ND	270	120	ug/Kg	1	08/05/20	WB	SW8270D
Pyrene	ND	270	130	ug/Kg	1	08/05/20	WB	SW8270D
Pyridine	ND	220	93	ug/Kg	1	08/05/20	WB	SW8270D
QA/QC Surrogates								
% 2,4,6-Tribromophenol	88			%	1	08/05/20	WB	30 - 130 %
% 2-Fluorobiphenyl	77			%	1	08/05/20	WB	30 - 130 %
% 2-Fluorophenol	72			%	1	08/05/20	WB	30 - 130 %
% Nitrobenzene-d5	74			%	1	08/05/20	WB	30 - 130 %
% Phenol-d5	80			%	1	08/05/20	WB	30 - 130 %
% Terphenyl-d14	83			%	1	08/05/20	WB	30 - 130 %

Additional Semi-Volatile Compounds

1,1-Biphenyl	ND	270	120	ug/Kg	1	08/05/20	WB	SW8270D
1,2,4,5-Tetrachlorobenzene	ND	270	130	ug/Kg	1	08/05/20	WB	SW8270D
Atrazine	ND	130	76	ug/Kg	1	08/05/20	WB	SW8270D
Benzaldehyde	ND	270	110	ug/Kg	1	08/05/20	WB	SW8270D
Benzo(a)pyrene	ND	270	120	ug/Kg	1	08/05/20	WB	SW8270D
Caprolactam	ND	150	150	ug/Kg	1	08/05/20	WB	SW8270D
QA/QC Surrogates								
% 2,4,6-Tribromophenol	88			%	1	08/05/20	WB	30 - 130 %
% 2-Fluorobiphenyl	77			%	1	08/05/20	WB	30 - 130 %
% 2-Fluorophenol	72			%	1	08/05/20	WB	30 - 130 %
% Nitrobenzene-d5	74			%	1	08/05/20	WB	30 - 130 %
% Phenol-d5	80			%	1	08/05/20	WB	30 - 130 %
% Terphenyl-d14	83			%	1	08/05/20	WB	30 - 130 %
Pyridine	ND	220		ug/Kg	1	08/05/20	WB	SW8270D
SVOA Library Search Top 15	Completed					08/05/20	AW	

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

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Semi-Volatile Comment:
Due to low QC recoveries the RL/PQL of some compounds have been evaluated below the lowest calibration standard in order account for possible sample bias and meet criteria: 2,4-dintrophenol, 4,6-Dinitro-2-methylphenol, and Benzidine.

Corrosivity is based solely on the pH analysis performed above.

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

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

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

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

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

Semi-Volatile Comment:
To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

Hexavalent Chromium:
This sample is in a reducing state.

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

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director
August 11, 2020
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

August 11, 2020

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:	DM	08/03/20	14:35
Location Code:	EBC	Received by:	CP	08/04/20	15:52
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCG47143
Phoenix ID: CG47146

Project ID: 64 CENTRE AVE, NEW ROCHELLE NY
Client ID: 64B GRAB (2-4`)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Percent Solid	82			%		08/04/20	HB	SW846-%Solid	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	4.6	0.91	ug/Kg	1	08/06/20	JLI	SW8260C	
1,1,1-Trichloroethane	ND	4.6	0.46	ug/Kg	1	08/06/20	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	4.6	0.91	ug/Kg	1	08/06/20	JLI	SW8260C	
1,1,2-Trichloroethane	ND	4.6	0.91	ug/Kg	1	08/06/20	JLI	SW8260C	
1,1-Dichloroethane	ND	4.6	0.91	ug/Kg	1	08/06/20	JLI	SW8260C	
1,1-Dichloroethene	ND	4.6	0.46	ug/Kg	1	08/06/20	JLI	SW8260C	
1,1-Dichloropropene	ND	4.6	0.46	ug/Kg	1	08/06/20	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	290	57	ug/Kg	50	08/07/20	JLI	SW8260C	
1,2,3-Trichloropropane	ND	290	29	ug/Kg	50	08/07/20	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	290	57	ug/Kg	50	08/07/20	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	290	29	ug/Kg	50	08/07/20	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	4.6	0.91	ug/Kg	1	08/06/20	JLI	SW8260C	
1,2-Dibromoethane	ND	1.2	0.46	ug/Kg	1	08/06/20	JLI	SW8260C	
1,2-Dichlorobenzene	ND	290	29	ug/Kg	50	08/07/20	JLI	SW8260C	
1,2-Dichloroethane	ND	4.6	0.46	ug/Kg	1	08/06/20	JLI	SW8260C	
1,2-Dichloropropane	ND	4.6	0.91	ug/Kg	1	08/06/20	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	290	29	ug/Kg	50	08/07/20	JLI	SW8260C	
1,3-Dichlorobenzene	ND	290	29	ug/Kg	50	08/07/20	JLI	SW8260C	
1,3-Dichloropropane	ND	4.6	0.91	ug/Kg	1	08/06/20	JLI	SW8260C	
1,4-Dichlorobenzene	ND	290	29	ug/Kg	50	08/07/20	JLI	SW8260C	
2,2-Dichloropropane	ND	4.6	0.46	ug/Kg	1	08/06/20	JLI	SW8260C	
2-Chlorotoluene	ND	290	57	ug/Kg	50	08/07/20	JLI	SW8260C	
2-Hexanone	ND	23	4.6	ug/Kg	1	08/06/20	JLI	SW8260C	
2-Isopropyltoluene	ND	290	29	ug/Kg	50	08/07/20	JLI	SW8260C	1
4-Chlorotoluene	ND	290	29	ug/Kg	50	08/07/20	JLI	SW8260C	

Project ID: 64 CENTRE AVE, NEW ROCHELLE NY
Client ID: 64B GRAB (2-4`)

Phoenix I.D.: CG47146

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	
4-Methyl-2-pentanone	ND		23	4.6	ug/Kg	1	08/06/20	JLI	SW8260C
Acetone	ND		23	4.6	ug/Kg	1	08/06/20	JLI	SW8260C
Acrylonitrile	ND		9.1	0.91	ug/Kg	1	08/06/20	JLI	SW8260C
Benzene	820		290	29	ug/Kg	50	08/07/20	JLI	SW8260C
Bromobenzene	ND		290	29	ug/Kg	50	08/07/20	JLI	SW8260C
Bromochloromethane	ND		4.6	0.46	ug/Kg	1	08/06/20	JLI	SW8260C
Bromodichloromethane	ND		4.6	0.91	ug/Kg	1	08/06/20	JLI	SW8260C
Bromoform	ND		4.6	0.91	ug/Kg	1	08/06/20	JLI	SW8260C
Bromomethane	ND		4.6	1.8	ug/Kg	1	08/06/20	JLI	SW8260C
Carbon Disulfide	ND		4.6	0.91	ug/Kg	1	08/06/20	JLI	SW8260C
Carbon tetrachloride	ND		4.6	0.91	ug/Kg	1	08/06/20	JLI	SW8260C
Chlorobenzene	ND		4.6	0.46	ug/Kg	1	08/06/20	JLI	SW8260C
Chloroethane	ND		4.6	0.46	ug/Kg	1	08/06/20	JLI	SW8260C
Chloroform	ND		4.6	0.46	ug/Kg	1	08/06/20	JLI	SW8260C
Chloromethane	ND		4.6	0.91	ug/Kg	1	08/06/20	JLI	SW8260C
cis-1,2-Dichloroethene	ND		4.6	0.46	ug/Kg	1	08/06/20	JLI	SW8260C
cis-1,3-Dichloropropene	ND		4.6	0.46	ug/Kg	1	08/06/20	JLI	SW8260C
Dibromochloromethane	ND		4.6	0.91	ug/Kg	1	08/06/20	JLI	SW8260C
Dibromomethane	ND		4.6	0.91	ug/Kg	1	08/06/20	JLI	SW8260C
Dichlorodifluoromethane	ND		4.6	0.46	ug/Kg	1	08/06/20	JLI	SW8260C
Ethylbenzene	ND		4.6	0.46	ug/Kg	1	08/06/20	JLI	SW8260C
Hexachlorobutadiene	ND		290	29	ug/Kg	50	08/07/20	JLI	SW8260C
Isopropylbenzene	ND		290	29	ug/Kg	50	08/07/20	JLI	SW8260C
m&p-Xylene	91	J	290	57	ug/Kg	50	08/07/20	JLI	SW8260C
Methyl Ethyl Ketone	ND		27	4.6	ug/Kg	1	08/06/20	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND		9.1	0.91	ug/Kg	1	08/06/20	JLI	SW8260C
Methylene chloride	ND		4.6	4.6	ug/Kg	1	08/06/20	JLI	SW8260C
Naphthalene	ND		290	57	ug/Kg	50	08/07/20	JLI	SW8260C
n-Butylbenzene	ND		290	29	ug/Kg	50	08/07/20	JLI	SW8260C
n-Propylbenzene	ND		290	57	ug/Kg	50	08/07/20	JLI	SW8260C
o-Xylene	ND		4.6	0.91	ug/Kg	1	08/06/20	JLI	SW8260C
p-Isopropyltoluene	ND		290	29	ug/Kg	50	08/07/20	JLI	SW8260C
sec-Butylbenzene	ND		290	29	ug/Kg	50	08/07/20	JLI	SW8260C
Styrene	ND		4.6	0.46	ug/Kg	1	08/06/20	JLI	SW8260C
tert-Butylbenzene	ND		290	29	ug/Kg	50	08/07/20	JLI	SW8260C
Tetrachloroethene	ND		4.6	0.91	ug/Kg	1	08/06/20	JLI	SW8260C
Tetrahydrofuran (THF)	ND		9.1	2.3	ug/Kg	1	08/06/20	JLI	SW8260C
Toluene	360		290	29	ug/Kg	50	08/07/20	JLI	SW8260C
trans-1,2-Dichloroethene	ND		4.6	0.46	ug/Kg	1	08/06/20	JLI	SW8260C
trans-1,3-Dichloropropene	ND		4.6	0.46	ug/Kg	1	08/06/20	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND		570	140	ug/Kg	50	08/07/20	JLI	SW8260C
Trichloroethene	ND		4.6	0.46	ug/Kg	1	08/06/20	JLI	SW8260C
Trichlorofluoromethane	ND		4.6	0.91	ug/Kg	1	08/06/20	JLI	SW8260C
Trichlorotrifluoroethane	ND		4.6	0.46	ug/Kg	1	08/06/20	JLI	SW8260C
Vinyl chloride	ND		4.6	0.46	ug/Kg	1	08/06/20	JLI	SW8260C
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	100				%	1	08/06/20	JLI	70 - 130 %
% Bromofluorobenzene	77				%	1	08/06/20	JLI	70 - 130 %
% Dibromofluoromethane	101				%	1	08/06/20	JLI	70 - 130 %

Project ID: 64 CENTRE AVE, NEW ROCHELLE NY
Client ID: 64B GRAB (2-4`)

Phoenix I.D.: CG47146

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By		
% Toluene-d8	92			%	1	08/06/20	JLI	70 - 130 %	
% 1,2-dichlorobenzene-d4 (50x)	100			%	50	08/07/20	JLI	70 - 130 %	
% Bromofluorobenzene (50x)	98			%	50	08/07/20	JLI	70 - 130 %	
% Dibromofluoromethane (50x)	85			%	50	08/07/20	JLI	70 - 130 %	
% Toluene-d8 (50x)	100			%	50	08/07/20	JLI	70 - 130 %	
1,4-dioxane									
1,4-dioxane	ND	69		ug/kg	1	08/06/20	JLI	SW8260C	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	100			%	1	08/06/20	JLI	70 - 130 %	
% Bromofluorobenzene	77			%	1	08/06/20	JLI	70 - 130 %	
% Dibromofluoromethane	101			%	1	08/06/20	JLI	70 - 130 %	
% Toluene-d8	92			%	1	08/06/20	JLI	70 - 130 %	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	18		ug/Kg	1	08/06/20	JLI	SW8260C	
Acrolein	ND	1.4		ug/Kg	1	08/06/20	JLI	SW8260C	
Acrylonitrile	ND	18		ug/Kg	1	08/06/20	JLI	SW8260C	
Tert-butyl alcohol	ND	91		ug/Kg	1	08/06/20	JLI	SW8260C	
Field Extraction	Completed					08/03/20		SW5035A	1

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Volatile Comment:
To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

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 you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director
August 11, 2020
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

August 11, 2020

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:	DM	08/03/20	17:22
Location Code:	EBC	Received by:	CP	08/04/20	15:52
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCG47143
Phoenix ID: CG47147

Project ID: 64 CENTRE AVE, NEW ROCHELLE NY
Client ID: 64B COMP (4-6`)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Silver	< 0.34	0.34		mg/Kg	1	08/05/20	TH	SW6010D	
Aluminum	13900	34		mg/Kg	10	08/05/20	TH	SW6010D	
Arsenic	0.80	0.68		mg/Kg	1	08/05/20	TH	SW6010D	
Barium	113	0.7		mg/Kg	1	08/05/20	TH	SW6010D	
Beryllium	0.34	0.27		mg/Kg	1	08/05/20	TH	SW6010D	
Calcium	1040	3.4		mg/Kg	1	08/05/20	TH	SW6010D	
Cadmium	0.84	0.34		mg/Kg	1	08/05/20	TH	SW6010D	
Cobalt	11.9	0.34		mg/Kg	1	08/05/20	TH	SW6010D	
Chromium	26.5	0.34		mg/Kg	1	08/05/20	TH	SW6010D	
Copper	17.2	0.7		mg/kg	1	08/05/20	TH	SW6010D	
Iron	21700	34		mg/Kg	10	08/05/20	EK	SW6010D	B
Mercury	< 0.03	0.03		mg/Kg	2	08/05/20	RS	SW7471B	
Potassium	5770	68		mg/Kg	10	08/05/20	EK	SW6010D	B
Magnesium	4630	3.4		mg/Kg	1	08/05/20	TH	SW6010D	
Manganese	371	3.4		mg/Kg	10	08/05/20	EK	SW6010D	
Molybdenum	< 0.34	0.34		mg/Kg	1	08/05/20	TH	SW6010D	
Sodium	360	7		mg/Kg	1	08/05/20	EK	SW6010D	B
Nickel	21.3	0.34		mg/Kg	1	08/05/20	TH	SW6010D	
Lead	44.6	0.7		mg/Kg	1	08/05/20	TH	SW6010D	
Antimony	< 3.4	3.4		mg/Kg	1	08/05/20	TH	SW6010D	
Selenium	< 1.4	1.4		mg/Kg	1	08/05/20	TH	SW6010D	
TCLP Silver	< 0.10	0.10		mg/L	1	08/06/20	TH	SW846 1311/6010	
TCLP Arsenic	< 0.10	0.10		mg/L	1	08/06/20	TH	SW846 1311/6010	1
TCLP Barium	0.27	0.10		mg/L	1	08/06/20	TH	SW846 1311/6010	
TCLP Cadmium	< 0.050	0.050		mg/L	1	08/06/20	TH	SW846 1311/6010	
TCLP Chromium	< 0.10	0.10		mg/L	1	08/06/20	TH	SW846 1311/6010	
TCLP Copper	< 0.10	0.10		mg/L	1	08/06/20	TH	SW846 1311/6010	
TCLP Mercury	< 0.0002	0.0002		mg/L	1	08/06/20	RS	SW846 1311/7470	1

Ver 1

Project ID: 64 CENTRE AVE, NEW ROCHELLE NY
Client ID: 64B COMP (4-6`)

Phoenix I.D.: CG47147

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By		
TCLP Nickel	< 0.10	0.10		mg/L	1	08/06/20	TH	SW846 1311/6010	
TCLP Lead	< 0.10	0.10		mg/L	1	08/06/20	TH	SW846 1311/6010	
TCLP Selenium	< 0.10	0.10		mg/L	1	08/06/20	TH	SW846 1311/6010D	
TCLP Zinc	0.17	0.10		mg/L	1	08/06/20	TH	SW846 1311/6010D	
Thallium	< 1.4	1.4		mg/Kg	1	08/05/20	TH	SW6010D	
TCLP Metals Digestion	Completed					08/05/20	VT/VT	SW3010A	
Vanadium	33.0	0.34		mg/Kg	1	08/05/20	TH	SW6010D	
Zinc	57.6	0.7		mg/Kg	1	08/05/20	TH	SW6010D	
Percent Solid	89			%		08/04/20	HB	SW846-%Solid	
Corrosivity	Negative			Pos/Neg	1	08/04/20	MB	SW846-Corr	1
Flash Point	>200	200		Degree F	1	08/07/20	ARG	1010/CH7/ASTMD92	
Chromium, Hex. (SW3060 digestion)	< 0.44	0.44		mg/Kg	1	08/05/20	ARG/BJA	SW7196A	
Ignitability	Passed	140		degree F	1	08/07/20	ARG	SW846-Ignit	1
pH at 25C - Soil	8.52	1.00		pH Units	1	08/04/20 22:28	MB	SW846 9045	1
Reactivity Cyanide	< 5	5		mg/Kg	1	08/06/20	D/E/G	SW846 7.3.3.1/90	1
Reactivity Sulfide	< 20	20		mg/Kg	1	08/06/20	DJ/ARG	SW846 CH7	1
Reactivity	Negative			Pos/Neg	1	08/06/20	ARG	SW846-React	1
Redox Potential	174			mV	1	08/04/20	MB	SM2580B-09	1
Total Cyanide (SW9010C Distill.)	< 0.51	0.51		mg/Kg	1	08/07/20	EG	SW9012B	
Soil Extraction for PCB	Completed					08/04/20	L	SW3545A	
Soil Extraction for Pesticides	Completed					08/04/20	L	SW3545A	
Mercury Digestion	Completed					08/05/20	VT/VT	SW7471B	
Soil Extraction for SVOA	Completed					08/04/20	R/M	SW3546	
NJ EPH Extraction	Completed					08/04/20	K/E	NJDEP 10-08 R3	
Soil Extraction for Herbicide	Completed					08/04/20	J/D/AK	SW3550C	
TCLP Digestion Mercury	Completed					08/05/20	VT/VT	SW7470A	
TCLP Extraction for Metals	Completed					08/04/20	VT	SW1311	
Total Metals Digest	Completed					08/04/20	F/AG/BF	SW3050B	
NJ EPH Category 2									
Total EPH (C9-C40)	ND	55	55	mg/kg	1	08/05/20	JRB	NJEPH 10-08 R3	1
QA/QC Surrogates									
% COD (surr)	56			%	1	08/05/20	JRB	40 - 140 %	
% Terphenyl (surr)	65			%	1	08/05/20	JRB	40 - 140 %	
Chlorinated Herbicides									
2,4,5-T	ND	93		ug/Kg	10	08/05/20	JRB	SW8151A	
2,4,5-TP (Silvex)	ND	93		ug/Kg	10	08/05/20	JRB	SW8151A	
2,4-D	ND	190		ug/Kg	10	08/05/20	JRB	SW8151A	
2,4-DB	ND	1900		ug/Kg	10	08/05/20	JRB	SW8151A	
Dalapon	ND	93		ug/Kg	10	08/05/20	JRB	SW8151A	
Dicamba	ND	93		ug/Kg	10	08/05/20	JRB	SW8151A	
Dichloroprop	ND	190		ug/Kg	10	08/05/20	JRB	SW8151A	
Dinoseb	ND	190		ug/Kg	10	08/05/20	JRB	SW8151A	
QA/QC Surrogates									
% DCAA	54			%	10	08/05/20	JRB	30 - 150 %	
% DCAA (Confirmation)	59			%	10	08/05/20	JRB	30 - 150 %	
Polychlorinated Biphenyls									
PCB-1016	ND	74	74	ug/Kg	2	08/06/20	SC	SW8082A	

Ver 1

Project ID: 64 CENTRE AVE, NEW ROCHELLE NY
Client ID: 64B COMP (4-6`)

Phoenix I.D.: CG47147

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	
PCB-1221	ND	74	74	ug/Kg	2	08/06/20	SC	SW8082A
PCB-1232	ND	74	74	ug/Kg	2	08/06/20	SC	SW8082A
PCB-1242	ND	74	74	ug/Kg	2	08/06/20	SC	SW8082A
PCB-1248	ND	74	74	ug/Kg	2	08/06/20	SC	SW8082A
PCB-1254	ND	74	74	ug/Kg	2	08/06/20	SC	SW8082A
PCB-1260	ND	74	74	ug/Kg	2	08/06/20	SC	SW8082A
PCB-1262	ND	74	74	ug/Kg	2	08/06/20	SC	SW8082A
PCB-1268	ND	74	74	ug/Kg	2	08/06/20	SC	SW8082A
QA/QC Surrogates								
% DCBP	80			%	2	08/06/20	SC	30 - 150 %
% DCBP (Confirmation)	76			%	2	08/06/20	SC	30 - 150 %
% TCMX	67			%	2	08/06/20	SC	30 - 150 %
% TCMX (Confirmation)	62			%	2	08/06/20	SC	30 - 150 %
Pesticides - Soil								
4,4' -DDD	ND	2.2		ug/Kg	2	08/06/20	CG	SW8081B
4,4' -DDE	ND	2.2		ug/Kg	2	08/06/20	CG	SW8081B
4,4' -DDT	ND	2.2		ug/Kg	2	08/06/20	CG	SW8081B
a-BHC	ND	7.4		ug/Kg	2	08/06/20	CG	SW8081B
a-Chlordane	ND	3.7		ug/Kg	2	08/06/20	CG	SW8081B
Aldrin	ND	3.7		ug/Kg	2	08/06/20	CG	SW8081B
b-BHC	ND	7.4		ug/Kg	2	08/06/20	CG	SW8081B
Chlordane	ND	37		ug/Kg	2	08/06/20	CG	SW8081B
d-BHC	ND	7.4		ug/Kg	2	08/06/20	CG	SW8081B
Dieldrin	ND	3.7		ug/Kg	2	08/06/20	CG	SW8081B
Endosulfan I	ND	7.4		ug/Kg	2	08/06/20	CG	SW8081B
Endosulfan II	ND	7.4		ug/Kg	2	08/06/20	CG	SW8081B
Endosulfan sulfate	ND	7.4		ug/Kg	2	08/06/20	CG	SW8081B
Endrin	ND	7.4		ug/Kg	2	08/06/20	CG	SW8081B
Endrin aldehyde	ND	7.4		ug/Kg	2	08/06/20	CG	SW8081B
Endrin ketone	ND	7.4		ug/Kg	2	08/06/20	CG	SW8081B
g-BHC	ND	1.5		ug/Kg	2	08/06/20	CG	SW8081B
g-Chlordane	ND	3.7		ug/Kg	2	08/06/20	CG	SW8081B
Heptachlor	ND	7.4		ug/Kg	2	08/06/20	CG	SW8081B
Heptachlor epoxide	ND	7.4		ug/Kg	2	08/06/20	CG	SW8081B
Methoxychlor	ND	37		ug/Kg	2	08/06/20	CG	SW8081B
Toxaphene	ND	150		ug/Kg	2	08/06/20	CG	SW8081B
QA/QC Surrogates								
% DCBP	45			%	2	08/06/20	CG	30 - 150 %
% DCBP (Confirmation)	58			%	2	08/06/20	CG	30 - 150 %
% TCMX	54			%	2	08/06/20	CG	30 - 150 %
% TCMX (Confirmation)	55			%	2	08/06/20	CG	30 - 150 %
Semivolatiles								
1,2,4,5-Tetrachlorobenzene	ND	260	130	ug/Kg	1	08/05/20	WB	SW8270D
1,2,4-Trichlorobenzene	ND	260	110	ug/Kg	1	08/05/20	WB	SW8270D
1,2-Dichlorobenzene	ND	260	100	ug/Kg	1	08/05/20	WB	SW8270D
1,2-Diphenylhydrazine	ND	260	120	ug/Kg	1	08/05/20	WB	SW8270D
1,3-Dichlorobenzene	ND	260	110	ug/Kg	1	08/05/20	WB	SW8270D
1,4-Dichlorobenzene	ND	260	110	ug/Kg	1	08/05/20	WB	SW8270D

Project ID: 64 CENTRE AVE, NEW ROCHELLE NY
Client ID: 64B COMP (4-6`)

Phoenix I.D.: CG47147

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By		
2,4,5-Trichlorophenol	ND	260	200	ug/Kg	1	08/05/20	WB	SW8270D	
2,4,6-Trichlorophenol	ND	190	120	ug/Kg	1	08/05/20	WB	SW8270D	
2,4-Dichlorophenol	ND	190	130	ug/Kg	1	08/05/20	WB	SW8270D	
2,4-Dimethylphenol	ND	260	92	ug/Kg	1	08/05/20	WB	SW8270D	
2,4-Dinitrophenol	ND	260	260	ug/Kg	1	08/05/20	WB	SW8270D	
2,4-Dinitrotoluene	ND	190	150	ug/Kg	1	08/05/20	WB	SW8270D	
2,6-Dinitrotoluene	ND	190	120	ug/Kg	1	08/05/20	WB	SW8270D	
2-Chloronaphthalene	ND	260	110	ug/Kg	1	08/05/20	WB	SW8270D	
2-Chlorophenol	ND	260	110	ug/Kg	1	08/05/20	WB	SW8270D	
2-Methylnaphthalene	ND	260	110	ug/Kg	1	08/05/20	WB	SW8270D	
2-Methylphenol (o-cresol)	ND	260	170	ug/Kg	1	08/05/20	WB	SW8270D	
2-Nitroaniline	ND	100	100	ug/Kg	1	08/05/20	WB	SW8270D	
2-Nitrophenol	ND	260	240	ug/Kg	1	08/05/20	WB	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND	260	150	ug/Kg	1	08/05/20	WB	SW8270D	1
3,3'-Dichlorobenzidine	ND	190	180	ug/Kg	1	08/05/20	WB	SW8270D	
3-Nitroaniline	ND	91	91	ug/Kg	1	08/05/20	WB	SW8270D	
4,6-Dinitro-2-methylphenol	ND	220	74	ug/Kg	1	08/05/20	WB	SW8270D	
4-Bromophenyl phenyl ether	ND	260	110	ug/Kg	1	08/05/20	WB	SW8270D	
4-Chloro-3-methylphenol	ND	260	130	ug/Kg	1	08/05/20	WB	SW8270D	
4-Chloroaniline	ND	300	170	ug/Kg	1	08/05/20	WB	SW8270D	
4-Chlorophenyl phenyl ether	ND	260	120	ug/Kg	1	08/05/20	WB	SW8270D	
4-Nitroaniline	ND	86	86	ug/Kg	1	08/05/20	WB	SW8270D	
4-Nitrophenol	ND	370	170	ug/Kg	1	08/05/20	WB	SW8270D	
Acenaphthene	ND	260	110	ug/Kg	1	08/05/20	WB	SW8270D	
Acenaphthylene	ND	260	100	ug/Kg	1	08/05/20	WB	SW8270D	
Acetophenone	ND	260	120	ug/Kg	1	08/05/20	WB	SW8270D	
Aniline	ND	300	300	ug/Kg	1	08/05/20	WB	SW8270D	
Anthracene	ND	260	120	ug/Kg	1	08/05/20	WB	SW8270D	
Benz(a)anthracene	ND	260	120	ug/Kg	1	08/05/20	WB	SW8270D	
Benzidine	ND	340	220	ug/Kg	1	08/05/20	WB	SW8270D	
Benzo(a)pyrene	ND	190	120	ug/Kg	1	08/05/20	WB	SW8270D	
Benzo(b)fluoranthene	ND	260	130	ug/Kg	1	08/05/20	WB	SW8270D	
Benzo(ghi)perylene	ND	260	120	ug/Kg	1	08/05/20	WB	SW8270D	
Benzo(k)fluoranthene	ND	260	120	ug/Kg	1	08/05/20	WB	SW8270D	
Benzoic acid	ND	1900	740	ug/Kg	1	08/05/20	WB	SW8270D	
Benzyl butyl phthalate	ND	260	96	ug/Kg	1	08/05/20	WB	SW8270D	
Bis(2-chloroethoxy)methane	ND	260	100	ug/Kg	1	08/05/20	WB	SW8270D	
Bis(2-chloroethyl)ether	ND	74	74	ug/Kg	1	08/05/20	WB	SW8270D	
Bis(2-chloroisopropyl)ether	ND	260	100	ug/Kg	1	08/05/20	WB	SW8270D	
Bis(2-ethylhexyl)phthalate	ND	260	110	ug/Kg	1	08/05/20	WB	SW8270D	
Carbazole	ND	190	150	ug/Kg	1	08/05/20	WB	SW8270D	
Chrysene	ND	260	120	ug/Kg	1	08/05/20	WB	SW8270D	
Dibenz(a,h)anthracene	ND	190	120	ug/Kg	1	08/05/20	WB	SW8270D	
Dibenzofuran	ND	260	110	ug/Kg	1	08/05/20	WB	SW8270D	
Diethyl phthalate	ND	260	120	ug/Kg	1	08/05/20	WB	SW8270D	
Dimethylphthalate	ND	260	120	ug/Kg	1	08/05/20	WB	SW8270D	
Di-n-butylphthalate	ND	260	99	ug/Kg	1	08/05/20	WB	SW8270D	
Di-n-octylphthalate	ND	260	96	ug/Kg	1	08/05/20	WB	SW8270D	
Fluoranthene	ND	260	120	ug/Kg	1	08/05/20	WB	SW8270D	

Project ID: 64 CENTRE AVE, NEW ROCHELLE NY
Client ID: 64B COMP (4-6`)

Phoenix I.D.: CG47147

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	
Fluorene	ND	260	120	ug/Kg	1	08/05/20	WB	SW8270D
Hexachlorobenzene	ND	190	110	ug/Kg	1	08/05/20	WB	SW8270D
Hexachlorobutadiene	ND	260	130	ug/Kg	1	08/05/20	WB	SW8270D
Hexachlorocyclopentadiene	ND	260	110	ug/Kg	1	08/05/20	WB	SW8270D
Hexachloroethane	ND	190	110	ug/Kg	1	08/05/20	WB	SW8270D
Indeno(1,2,3-cd)pyrene	ND	260	120	ug/Kg	1	08/05/20	WB	SW8270D
Isophorone	ND	190	100	ug/Kg	1	08/05/20	WB	SW8270D
Naphthalene	ND	260	110	ug/Kg	1	08/05/20	WB	SW8270D
Nitrobenzene	ND	190	130	ug/Kg	1	08/05/20	WB	SW8270D
N-Nitrosodimethylamine	ND	74	74	ug/Kg	1	08/05/20	WB	SW8270D
N-Nitrosodi-n-propylamine	ND	74	74	ug/Kg	1	08/05/20	WB	SW8270D
N-Nitrosodiphenylamine	ND	260	140	ug/Kg	1	08/05/20	WB	SW8270D
Pentachloronitrobenzene	ND	260	140	ug/Kg	1	08/05/20	WB	SW8270D
Pentachlorophenol	ND	220	140	ug/Kg	1	08/05/20	WB	SW8270D
Phenanthrene	ND	260	110	ug/Kg	1	08/05/20	WB	SW8270D
Phenol	ND	260	120	ug/Kg	1	08/05/20	WB	SW8270D
Pyrene	ND	260	130	ug/Kg	1	08/05/20	WB	SW8270D
Pyridine	ND	220	91	ug/Kg	1	08/05/20	WB	SW8270D
QA/QC Surrogates								
% 2,4,6-Tribromophenol	85			%	1	08/05/20	WB	30 - 130 %
% 2-Fluorobiphenyl	71			%	1	08/05/20	WB	30 - 130 %
% 2-Fluorophenol	72			%	1	08/05/20	WB	30 - 130 %
% Nitrobenzene-d5	70			%	1	08/05/20	WB	30 - 130 %
% Phenol-d5	79			%	1	08/05/20	WB	30 - 130 %
% Terphenyl-d14	80			%	1	08/05/20	WB	30 - 130 %
Additional Semi-Volatile Compounds								
1,1-Biphenyl	ND	260	110	ug/Kg	1	08/05/20	WB	SW8270D
1,2,4,5-Tetrachlorobenzene	ND	260	130	ug/Kg	1	08/05/20	WB	SW8270D
Atrazine	ND	130	74	ug/Kg	1	08/05/20	WB	SW8270D
Benzaldehyde	ND	260	110	ug/Kg	1	08/05/20	WB	SW8270D
Benzo(a)pyrene	ND	260	120	ug/Kg	1	08/05/20	WB	SW8270D
Caprolactam	ND	150	150	ug/Kg	1	08/05/20	WB	SW8270D
QA/QC Surrogates								
% 2,4,6-Tribromophenol	85			%	1	08/05/20	WB	30 - 130 %
% 2-Fluorobiphenyl	71			%	1	08/05/20	WB	30 - 130 %
% 2-Fluorophenol	72			%	1	08/05/20	WB	30 - 130 %
% Nitrobenzene-d5	70			%	1	08/05/20	WB	30 - 130 %
% Phenol-d5	79			%	1	08/05/20	WB	30 - 130 %
% Terphenyl-d14	80			%	1	08/05/20	WB	30 - 130 %
Pyridine	ND	220		ug/Kg	1	08/05/20	WB	SW8270D
SVOA Library Search Top 15	Completed					08/05/20	AW	

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

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Semi-Volatile Comment:
Due to low QC recoveries the RL/PQL of some compounds have been evaluated below the lowest calibration standard in order account for possible sample bias and meet criteria: 2,4-dintrophenol, 4,6-Dinitro-2-methylphenol, and Benzidine.

Corrosivity is based solely on the pH analysis performed above.

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

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

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

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

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

Semi-Volatile Comment:
To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

Hexavalent Chromium:
This sample is in a reducing state.

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

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director
August 11, 2020
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

August 11, 2020

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:	DM	08/03/20	14:30
Location Code:	EBC	Received by:	CP	08/04/20	15:52
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCG47143
Phoenix ID: CG47148

Project ID: 64 CENTRE AVE, NEW ROCHELLE NY
Client ID: 64B GRAB (4-6`)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Percent Solid	90			%		08/04/20	HB	SW846-%Solid	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	3.0	0.60	ug/Kg	1	08/06/20	JLI	SW8260C	
1,1,1-Trichloroethane	ND	3.0	0.30	ug/Kg	1	08/06/20	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	3.0	0.60	ug/Kg	1	08/06/20	JLI	SW8260C	
1,1,2-Trichloroethane	ND	3.0	0.60	ug/Kg	1	08/06/20	JLI	SW8260C	
1,1-Dichloroethane	ND	3.0	0.60	ug/Kg	1	08/06/20	JLI	SW8260C	
1,1-Dichloroethene	ND	3.0	0.30	ug/Kg	1	08/06/20	JLI	SW8260C	
1,1-Dichloropropene	ND	3.0	0.30	ug/Kg	1	08/06/20	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	3.0	0.60	ug/Kg	1	08/06/20	JLI	SW8260C	
1,2,3-Trichloropropane	ND	3.0	0.30	ug/Kg	1	08/06/20	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	3.0	0.60	ug/Kg	1	08/06/20	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	3.0	0.30	ug/Kg	1	08/06/20	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	3.0	0.60	ug/Kg	1	08/06/20	JLI	SW8260C	
1,2-Dibromoethane	ND	1.2	0.30	ug/Kg	1	08/06/20	JLI	SW8260C	
1,2-Dichlorobenzene	ND	3.0	0.30	ug/Kg	1	08/06/20	JLI	SW8260C	
1,2-Dichloroethane	ND	3.0	0.30	ug/Kg	1	08/06/20	JLI	SW8260C	
1,2-Dichloropropane	ND	3.0	0.60	ug/Kg	1	08/06/20	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	3.0	0.30	ug/Kg	1	08/06/20	JLI	SW8260C	
1,3-Dichlorobenzene	ND	3.0	0.30	ug/Kg	1	08/06/20	JLI	SW8260C	
1,3-Dichloropropane	ND	3.0	0.60	ug/Kg	1	08/06/20	JLI	SW8260C	
1,4-Dichlorobenzene	ND	3.0	0.30	ug/Kg	1	08/06/20	JLI	SW8260C	
2,2-Dichloropropane	ND	3.0	0.30	ug/Kg	1	08/06/20	JLI	SW8260C	
2-Chlorotoluene	ND	3.0	0.60	ug/Kg	1	08/06/20	JLI	SW8260C	
2-Hexanone	ND	15	3.0	ug/Kg	1	08/06/20	JLI	SW8260C	
2-Isopropyltoluene	ND	3.0	0.30	ug/Kg	1	08/06/20	JLI	SW8260C	1
4-Chlorotoluene	ND	3.0	0.30	ug/Kg	1	08/06/20	JLI	SW8260C	

Project ID: 64 CENTRE AVE, NEW ROCHELLE NY
Client ID: 64B GRAB (4-6`)

Phoenix I.D.: CG47148

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	
4-Methyl-2-pentanone	ND		15	3.0	ug/Kg	1	08/06/20	JLI	SW8260C
Acetone	5.9	JS	15	3.0	ug/Kg	1	08/06/20	JLI	SW8260C
Acrylonitrile	ND		6.0	0.60	ug/Kg	1	08/06/20	JLI	SW8260C
Benzene	ND		3.0	0.30	ug/Kg	1	08/06/20	JLI	SW8260C
Bromobenzene	ND		3.0	0.30	ug/Kg	1	08/06/20	JLI	SW8260C
Bromochloromethane	ND		3.0	0.30	ug/Kg	1	08/06/20	JLI	SW8260C
Bromodichloromethane	ND		3.0	0.60	ug/Kg	1	08/06/20	JLI	SW8260C
Bromoform	ND		3.0	0.60	ug/Kg	1	08/06/20	JLI	SW8260C
Bromomethane	ND		3.0	1.2	ug/Kg	1	08/06/20	JLI	SW8260C
Carbon Disulfide	ND		3.0	0.60	ug/Kg	1	08/06/20	JLI	SW8260C
Carbon tetrachloride	ND		3.0	0.60	ug/Kg	1	08/06/20	JLI	SW8260C
Chlorobenzene	ND		3.0	0.30	ug/Kg	1	08/06/20	JLI	SW8260C
Chloroethane	ND		3.0	0.30	ug/Kg	1	08/06/20	JLI	SW8260C
Chloroform	ND		3.0	0.30	ug/Kg	1	08/06/20	JLI	SW8260C
Chloromethane	ND		3.0	0.60	ug/Kg	1	08/06/20	JLI	SW8260C
cis-1,2-Dichloroethene	ND		3.0	0.30	ug/Kg	1	08/06/20	JLI	SW8260C
cis-1,3-Dichloropropene	ND		3.0	0.30	ug/Kg	1	08/06/20	JLI	SW8260C
Dibromochloromethane	ND		3.0	0.60	ug/Kg	1	08/06/20	JLI	SW8260C
Dibromomethane	ND		3.0	0.60	ug/Kg	1	08/06/20	JLI	SW8260C
Dichlorodifluoromethane	ND		3.0	0.30	ug/Kg	1	08/06/20	JLI	SW8260C
Ethylbenzene	ND		3.0	0.30	ug/Kg	1	08/06/20	JLI	SW8260C
Hexachlorobutadiene	ND		3.0	0.30	ug/Kg	1	08/06/20	JLI	SW8260C
Isopropylbenzene	ND		3.0	0.30	ug/Kg	1	08/06/20	JLI	SW8260C
m&p-Xylene	ND		3.0	0.60	ug/Kg	1	08/06/20	JLI	SW8260C
Methyl Ethyl Ketone	ND		18	3.0	ug/Kg	1	08/06/20	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND		6.0	0.60	ug/Kg	1	08/06/20	JLI	SW8260C
Methylene chloride	ND		3.0	3.0	ug/Kg	1	08/06/20	JLI	SW8260C
Naphthalene	ND		3.0	0.60	ug/Kg	1	08/06/20	JLI	SW8260C
n-Butylbenzene	ND		3.0	0.30	ug/Kg	1	08/06/20	JLI	SW8260C
n-Propylbenzene	ND		3.0	0.60	ug/Kg	1	08/06/20	JLI	SW8260C
o-Xylene	ND		3.0	0.60	ug/Kg	1	08/06/20	JLI	SW8260C
p-Isopropyltoluene	ND		3.0	0.30	ug/Kg	1	08/06/20	JLI	SW8260C
sec-Butylbenzene	ND		3.0	0.30	ug/Kg	1	08/06/20	JLI	SW8260C
Styrene	ND		3.0	0.30	ug/Kg	1	08/06/20	JLI	SW8260C
tert-Butylbenzene	ND		3.0	0.30	ug/Kg	1	08/06/20	JLI	SW8260C
Tetrachloroethene	ND		3.0	0.60	ug/Kg	1	08/06/20	JLI	SW8260C
Tetrahydrofuran (THF)	ND		6.0	1.5	ug/Kg	1	08/06/20	JLI	SW8260C
Toluene	ND		3.0	0.30	ug/Kg	1	08/06/20	JLI	SW8260C
trans-1,2-Dichloroethene	ND		3.0	0.30	ug/Kg	1	08/06/20	JLI	SW8260C
trans-1,3-Dichloropropene	ND		3.0	0.30	ug/Kg	1	08/06/20	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND		6.0	1.5	ug/Kg	1	08/06/20	JLI	SW8260C
Trichloroethene	ND		3.0	0.30	ug/Kg	1	08/06/20	JLI	SW8260C
Trichlorofluoromethane	ND		3.0	0.60	ug/Kg	1	08/06/20	JLI	SW8260C
Trichlorotrifluoroethane	ND		3.0	0.30	ug/Kg	1	08/06/20	JLI	SW8260C
Vinyl chloride	ND		3.0	0.30	ug/Kg	1	08/06/20	JLI	SW8260C
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	99				%	1	08/06/20	JLI	70 - 130 %
% Bromofluorobenzene	97				%	1	08/06/20	JLI	70 - 130 %
% Dibromofluoromethane	92				%	1	08/06/20	JLI	70 - 130 %

Project ID: 64 CENTRE AVE, NEW ROCHELLE NY
Client ID: 64B GRAB (4-6`)

Phoenix I.D.: CG47148

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By		
% Toluene-d8	99			%	1	08/06/20	JLI	70 - 130 %	
1,4-dioxane									
1,4-dioxane	ND	45		ug/kg	1	08/06/20	JLI	SW8260C	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	99			%	1	08/06/20	JLI	70 - 130 %	
% Bromofluorobenzene	97			%	1	08/06/20	JLI	70 - 130 %	
% Dibromofluoromethane	92			%	1	08/06/20	JLI	70 - 130 %	
% Toluene-d8	99			%	1	08/06/20	JLI	70 - 130 %	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	12		ug/Kg	1	08/06/20	JLI	SW8260C	
Acrolein	ND	1.4		ug/Kg	1	08/06/20	JLI	SW8260C	
Acrylonitrile	ND	12		ug/Kg	1	08/06/20	JLI	SW8260C	
Tert-butyl alcohol	ND	60		ug/Kg	1	08/06/20	JLI	SW8260C	
Field Extraction	Completed					08/03/20		SW5035A	1

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Volatile Comment:
To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

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

S - Laboratory solvent, contamination is possible.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director
August 11, 2020
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

August 11, 2020

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:	DM	08/03/20	17:30
Location Code:	EBC	Received by:	CP	08/04/20	15:52
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCG47143
Phoenix ID: CG47149

Project ID: 64 CENTRE AVE, NEW ROCHELLE NY
Client ID: 64B COMP (6-8`)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Silver	< 0.38	0.38		mg/Kg	1	08/05/20	TH	SW6010D	
Aluminum	20700	38		mg/Kg	10	08/05/20	TH	SW6010D	
Arsenic	< 0.77	0.77		mg/Kg	1	08/05/20	TH	SW6010D	
Barium	169	0.8		mg/Kg	1	08/05/20	TH	SW6010D	
Beryllium	0.59	0.31		mg/Kg	1	08/05/20	TH	SW6010D	
Calcium	3050	3.8		mg/Kg	1	08/05/20	TH	SW6010D	
Cadmium	1.22	0.38		mg/Kg	1	08/05/20	TH	SW6010D	
Cobalt	17.9	0.38		mg/Kg	1	08/05/20	TH	SW6010D	
Chromium	75.7	0.38		mg/Kg	1	08/05/20	TH	SW6010D	
Copper	40.2	0.8		mg/kg	1	08/05/20	TH	SW6010D	
Iron	37000	38		mg/Kg	10	08/05/20	EK	SW6010D	B
Mercury	< 0.07	0.07		mg/Kg	5	08/05/20	RS	SW7471B	
Potassium	9510	77		mg/Kg	10	08/05/20	EK	SW6010D	B
Magnesium	10100	38		mg/Kg	10	08/05/20	TH	SW6010D	
Manganese	649	3.8		mg/Kg	10	08/05/20	EK	SW6010D	
Molybdenum	< 0.38	0.38		mg/Kg	1	08/05/20	TH	SW6010D	
Sodium	410	8		mg/Kg	1	08/05/20	EK	SW6010D	B
Nickel	31.0	0.38		mg/Kg	1	08/05/20	TH	SW6010D	
Lead	5.6	0.8		mg/Kg	1	08/05/20	TH	SW6010D	
Antimony	< 3.8	3.8		mg/Kg	1	08/05/20	TH	SW6010D	
Selenium	< 1.5	1.5		mg/Kg	1	08/05/20	TH	SW6010D	
TCLP Silver	< 0.10	0.10		mg/L	1	08/06/20	TH	SW846 1311/6010	
TCLP Arsenic	< 0.10	0.10		mg/L	1	08/06/20	TH	SW846 1311/6010	1
TCLP Barium	0.18	0.10		mg/L	1	08/06/20	TH	SW846 1311/6010	
TCLP Cadmium	< 0.050	0.050		mg/L	1	08/06/20	TH	SW846 1311/6010	
TCLP Chromium	< 0.10	0.10		mg/L	1	08/06/20	TH	SW846 1311/6010	
TCLP Copper	< 0.10	0.10		mg/L	1	08/06/20	TH	SW846 1311/6010	
TCLP Mercury	< 0.0002	0.0002		mg/L	1	08/06/20	RS	SW846 1311/7470	1

Ver 1

Project ID: 64 CENTRE AVE, NEW ROCHELLE NY
Client ID: 64B COMP (6-8`)

Phoenix I.D.: CG47149

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By		
TCLP Nickel	< 0.10	0.10		mg/L	1	08/06/20	TH	SW846 1311/6010	
TCLP Lead	< 0.10	0.10		mg/L	1	08/06/20	TH	SW846 1311/6010	
TCLP Selenium	< 0.10	0.10		mg/L	1	08/06/20	TH	SW846 1311/6010D	
TCLP Zinc	< 0.10	0.10		mg/L	1	08/06/20	TH	SW846 1311/6010D	
Thallium	< 1.5	1.5		mg/Kg	1	08/05/20	TH	SW6010D	
TCLP Metals Digestion	Completed					08/05/20	VT/VT	SW3010A	
Vanadium	50.5	0.38		mg/Kg	1	08/05/20	TH	SW6010D	
Zinc	77.2	0.8		mg/Kg	1	08/05/20	TH	SW6010D	
Percent Solid	89			%		08/04/20	HB	SW846-%Solid	
Corrosivity	Negative			Pos/Neg	1	08/04/20	MB	SW846-Corr	1
Flash Point	>200	200		Degree F	1	08/07/20	ARG	1010/CH7/ASTMD92	
Chromium, Hex. (SW3060 digestion)	< 0.44	0.44		mg/Kg	1	08/05/20	ARG/BJA	SW7196A	
Ignitability	Passed	140		degree F	1	08/07/20	ARG	SW846-Ignit	1
pH at 25C - Soil	7.67	1.00		pH Units	1	08/04/20 22:28	MB	SW846 9045	1
Reactivity Cyanide	< 6	6		mg/Kg	1	08/06/20	D/E/G	SW846 7.3.3.1/90	1
Reactivity Sulfide	< 20	20		mg/Kg	1	08/06/20	DJ/ARG	SW846 CH7	1
Reactivity	Negative			Pos/Neg	1	08/06/20	ARG	SW846-React	1
Redox Potential	207			mV	1	08/04/20	MB	SM2580B-09	1
Total Cyanide (SW9010C Distill.)	< 0.56	0.56		mg/Kg	1	08/07/20	EG	SW9012B	
Soil Extraction for PCB	Completed					08/04/20	L/A	SW3545A	
Soil Extraction for Pesticides	Completed					08/04/20	L	SW3545A	
Mercury Digestion	Completed					08/05/20	VT/VT	SW7471B	
Soil Extraction for SVOA	Completed					08/04/20	R/M	SW3546	
NJ EPH Extraction	Completed					08/04/20	K/E	NJDEP 10-08 R3	
Soil Extraction for Herbicide	Completed					08/04/20	J/D/AK	SW3550C	
TCLP Digestion Mercury	Completed					08/05/20	VT/VT	SW7470A	
TCLP Extraction for Metals	Completed					08/04/20	VT	SW1311	
Total Metals Digest	Completed					08/04/20	F/AG/BF	SW3050B	
NJ EPH Category 2									
Total EPH (C9-C40)	ND	55	55	mg/kg	1	08/05/20	JRB	NJEPH 10-08 R3	1
QA/QC Surrogates									
% COD (surr)	55			%	1	08/05/20	JRB	40 - 140 %	
% Terphenyl (surr)	63			%	1	08/05/20	JRB	40 - 140 %	
Chlorinated Herbicides									
2,4,5-T	ND	92		ug/Kg	10	08/06/20	JRB	SW8151A	
2,4,5-TP (Silvex)	ND	92		ug/Kg	10	08/06/20	JRB	SW8151A	
2,4-D	ND	180		ug/Kg	10	08/06/20	JRB	SW8151A	
2,4-DB	ND	1800		ug/Kg	10	08/06/20	JRB	SW8151A	
Dalapon	ND	92		ug/Kg	10	08/06/20	JRB	SW8151A	
Dicamba	ND	92		ug/Kg	10	08/06/20	JRB	SW8151A	
Dichloroprop	ND	180		ug/Kg	10	08/06/20	JRB	SW8151A	
Dinoseb	ND	180		ug/Kg	10	08/06/20	JRB	SW8151A	
QA/QC Surrogates									
% DCAA	52			%	10	08/06/20	JRB	30 - 150 %	
% DCAA (Confirmation)	59			%	10	08/06/20	JRB	30 - 150 %	
Polychlorinated Biphenyls									
PCB-1016	ND	73	73	ug/Kg	2	08/05/20	SC	SW8082A	

Ver 1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	
PCB-1221	ND	73	73	ug/Kg	2	08/05/20	SC	SW8082A
PCB-1232	ND	73	73	ug/Kg	2	08/05/20	SC	SW8082A
PCB-1242	ND	73	73	ug/Kg	2	08/05/20	SC	SW8082A
PCB-1248	ND	73	73	ug/Kg	2	08/05/20	SC	SW8082A
PCB-1254	ND	73	73	ug/Kg	2	08/05/20	SC	SW8082A
PCB-1260	ND	73	73	ug/Kg	2	08/05/20	SC	SW8082A
PCB-1262	ND	73	73	ug/Kg	2	08/05/20	SC	SW8082A
PCB-1268	ND	73	73	ug/Kg	2	08/05/20	SC	SW8082A
QA/QC Surrogates								
% DCBP	68			%	2	08/05/20	SC	30 - 150 %
% DCBP (Confirmation)	62			%	2	08/05/20	SC	30 - 150 %
% TCMX	62			%	2	08/05/20	SC	30 - 150 %
% TCMX (Confirmation)	64			%	2	08/05/20	SC	30 - 150 %
Pesticides - Soil								
4,4' -DDD	ND	2.2		ug/Kg	2	08/05/20	CG	SW8081B
4,4' -DDE	ND	2.2		ug/Kg	2	08/05/20	CG	SW8081B
4,4' -DDT	ND	2.2		ug/Kg	2	08/05/20	CG	SW8081B
a-BHC	ND	7.3		ug/Kg	2	08/05/20	CG	SW8081B
a-Chlordane	ND	3.7		ug/Kg	2	08/05/20	CG	SW8081B
Aldrin	ND	3.7		ug/Kg	2	08/05/20	CG	SW8081B
b-BHC	ND	7.3		ug/Kg	2	08/05/20	CG	SW8081B
Chlordane	ND	37		ug/Kg	2	08/05/20	CG	SW8081B
d-BHC	ND	7.3		ug/Kg	2	08/05/20	CG	SW8081B
Dieldrin	ND	3.7		ug/Kg	2	08/05/20	CG	SW8081B
Endosulfan I	ND	7.3		ug/Kg	2	08/05/20	CG	SW8081B
Endosulfan II	ND	7.3		ug/Kg	2	08/05/20	CG	SW8081B
Endosulfan sulfate	ND	7.3		ug/Kg	2	08/05/20	CG	SW8081B
Endrin	ND	7.3		ug/Kg	2	08/05/20	CG	SW8081B
Endrin aldehyde	ND	7.3		ug/Kg	2	08/05/20	CG	SW8081B
Endrin ketone	ND	7.3		ug/Kg	2	08/05/20	CG	SW8081B
g-BHC	ND	1.5		ug/Kg	2	08/05/20	CG	SW8081B
g-Chlordane	ND	3.7		ug/Kg	2	08/05/20	CG	SW8081B
Heptachlor	ND	7.3		ug/Kg	2	08/05/20	CG	SW8081B
Heptachlor epoxide	ND	7.3		ug/Kg	2	08/05/20	CG	SW8081B
Methoxychlor	ND	37		ug/Kg	2	08/05/20	CG	SW8081B
Toxaphene	ND	150		ug/Kg	2	08/05/20	CG	SW8081B
QA/QC Surrogates								
% DCBP	51			%	2	08/05/20	CG	30 - 150 %
% DCBP (Confirmation)	64			%	2	08/05/20	CG	30 - 150 %
% TCMX	59			%	2	08/05/20	CG	30 - 150 %
% TCMX (Confirmation)	59			%	2	08/05/20	CG	30 - 150 %
Semivolatiles								
1,2,4,5-Tetrachlorobenzene	ND	260	130	ug/Kg	1	08/05/20	WB	SW8270D
1,2,4-Trichlorobenzene	ND	260	110	ug/Kg	1	08/05/20	WB	SW8270D
1,2-Dichlorobenzene	ND	260	100	ug/Kg	1	08/05/20	WB	SW8270D
1,2-Diphenylhydrazine	ND	260	120	ug/Kg	1	08/05/20	WB	SW8270D
1,3-Dichlorobenzene	ND	260	110	ug/Kg	1	08/05/20	WB	SW8270D
1,4-Dichlorobenzene	ND	260	110	ug/Kg	1	08/05/20	WB	SW8270D

Project ID: 64 CENTRE AVE, NEW ROCHELLE NY
Client ID: 64B COMP (6-8`)

Phoenix I.D.: CG47149

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By		
2,4,5-Trichlorophenol	ND	260	200	ug/Kg	1	08/05/20	WB	SW8270D	
2,4,6-Trichlorophenol	ND	190	120	ug/Kg	1	08/05/20	WB	SW8270D	
2,4-Dichlorophenol	ND	190	130	ug/Kg	1	08/05/20	WB	SW8270D	
2,4-Dimethylphenol	ND	260	92	ug/Kg	1	08/05/20	WB	SW8270D	
2,4-Dinitrophenol	ND	260	260	ug/Kg	1	08/05/20	WB	SW8270D	
2,4-Dinitrotoluene	ND	190	150	ug/Kg	1	08/05/20	WB	SW8270D	
2,6-Dinitrotoluene	ND	190	120	ug/Kg	1	08/05/20	WB	SW8270D	
2-Chloronaphthalene	ND	260	110	ug/Kg	1	08/05/20	WB	SW8270D	
2-Chlorophenol	ND	260	110	ug/Kg	1	08/05/20	WB	SW8270D	
2-Methylnaphthalene	ND	260	110	ug/Kg	1	08/05/20	WB	SW8270D	
2-Methylphenol (o-cresol)	ND	260	170	ug/Kg	1	08/05/20	WB	SW8270D	
2-Nitroaniline	ND	100	100	ug/Kg	1	08/05/20	WB	SW8270D	
2-Nitrophenol	ND	260	230	ug/Kg	1	08/05/20	WB	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND	260	150	ug/Kg	1	08/05/20	WB	SW8270D	1
3,3'-Dichlorobenzidine	ND	190	170	ug/Kg	1	08/05/20	WB	SW8270D	
3-Nitroaniline	ND	91	91	ug/Kg	1	08/05/20	WB	SW8270D	
4,6-Dinitro-2-methylphenol	ND	220	74	ug/Kg	1	08/05/20	WB	SW8270D	
4-Bromophenyl phenyl ether	ND	260	110	ug/Kg	1	08/05/20	WB	SW8270D	
4-Chloro-3-methylphenol	ND	260	130	ug/Kg	1	08/05/20	WB	SW8270D	
4-Chloroaniline	ND	300	170	ug/Kg	1	08/05/20	WB	SW8270D	
4-Chlorophenyl phenyl ether	ND	260	120	ug/Kg	1	08/05/20	WB	SW8270D	
4-Nitroaniline	ND	86	86	ug/Kg	1	08/05/20	WB	SW8270D	
4-Nitrophenol	ND	370	170	ug/Kg	1	08/05/20	WB	SW8270D	
Acenaphthene	ND	260	110	ug/Kg	1	08/05/20	WB	SW8270D	
Acenaphthylene	ND	260	100	ug/Kg	1	08/05/20	WB	SW8270D	
Acetophenone	ND	260	120	ug/Kg	1	08/05/20	WB	SW8270D	
Aniline	ND	300	300	ug/Kg	1	08/05/20	WB	SW8270D	
Anthracene	ND	260	120	ug/Kg	1	08/05/20	WB	SW8270D	
Benz(a)anthracene	ND	260	120	ug/Kg	1	08/05/20	WB	SW8270D	
Benzidine	ND	340	220	ug/Kg	1	08/05/20	WB	SW8270D	
Benzo(a)pyrene	ND	190	120	ug/Kg	1	08/05/20	WB	SW8270D	
Benzo(b)fluoranthene	ND	260	130	ug/Kg	1	08/05/20	WB	SW8270D	
Benzo(ghi)perylene	ND	260	120	ug/Kg	1	08/05/20	WB	SW8270D	
Benzo(k)fluoranthene	ND	260	120	ug/Kg	1	08/05/20	WB	SW8270D	
Benzoic acid	ND	1900	740	ug/Kg	1	08/05/20	WB	SW8270D	
Benzyl butyl phthalate	ND	260	95	ug/Kg	1	08/05/20	WB	SW8270D	
Bis(2-chloroethoxy)methane	ND	260	100	ug/Kg	1	08/05/20	WB	SW8270D	
Bis(2-chloroethyl)ether	ND	74	74	ug/Kg	1	08/05/20	WB	SW8270D	
Bis(2-chloroisopropyl)ether	ND	260	100	ug/Kg	1	08/05/20	WB	SW8270D	
Bis(2-ethylhexyl)phthalate	ND	260	110	ug/Kg	1	08/05/20	WB	SW8270D	
Carbazole	ND	190	150	ug/Kg	1	08/05/20	WB	SW8270D	
Chrysene	ND	260	120	ug/Kg	1	08/05/20	WB	SW8270D	
Dibenz(a,h)anthracene	ND	190	120	ug/Kg	1	08/05/20	WB	SW8270D	
Dibenzofuran	ND	260	110	ug/Kg	1	08/05/20	WB	SW8270D	
Diethyl phthalate	ND	260	120	ug/Kg	1	08/05/20	WB	SW8270D	
Dimethylphthalate	ND	260	110	ug/Kg	1	08/05/20	WB	SW8270D	
Di-n-butylphthalate	ND	260	98	ug/Kg	1	08/05/20	WB	SW8270D	
Di-n-octylphthalate	ND	260	95	ug/Kg	1	08/05/20	WB	SW8270D	
Fluoranthene	ND	260	120	ug/Kg	1	08/05/20	WB	SW8270D	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	
Fluorene	ND	260	120	ug/Kg	1	08/05/20	WB	SW8270D
Hexachlorobenzene	ND	190	110	ug/Kg	1	08/05/20	WB	SW8270D
Hexachlorobutadiene	ND	260	130	ug/Kg	1	08/05/20	WB	SW8270D
Hexachlorocyclopentadiene	ND	260	110	ug/Kg	1	08/05/20	WB	SW8270D
Hexachloroethane	ND	190	110	ug/Kg	1	08/05/20	WB	SW8270D
Indeno(1,2,3-cd)pyrene	ND	260	120	ug/Kg	1	08/05/20	WB	SW8270D
Isophorone	ND	190	100	ug/Kg	1	08/05/20	WB	SW8270D
Naphthalene	ND	260	110	ug/Kg	1	08/05/20	WB	SW8270D
Nitrobenzene	ND	190	130	ug/Kg	1	08/05/20	WB	SW8270D
N-Nitrosodimethylamine	ND	74	74	ug/Kg	1	08/05/20	WB	SW8270D
N-Nitrosodi-n-propylamine	ND	74	74	ug/Kg	1	08/05/20	WB	SW8270D
N-Nitrosodiphenylamine	ND	260	140	ug/Kg	1	08/05/20	WB	SW8270D
Pentachloronitrobenzene	ND	260	140	ug/Kg	1	08/05/20	WB	SW8270D
Pentachlorophenol	ND	220	140	ug/Kg	1	08/05/20	WB	SW8270D
Phenanthrene	ND	260	110	ug/Kg	1	08/05/20	WB	SW8270D
Phenol	ND	260	120	ug/Kg	1	08/05/20	WB	SW8270D
Pyrene	ND	260	130	ug/Kg	1	08/05/20	WB	SW8270D
Pyridine	ND	220	91	ug/Kg	1	08/05/20	WB	SW8270D
QA/QC Surrogates								
% 2,4,6-Tribromophenol	92			%	1	08/05/20	WB	30 - 130 %
% 2-Fluorobiphenyl	74			%	1	08/05/20	WB	30 - 130 %
% 2-Fluorophenol	75			%	1	08/05/20	WB	30 - 130 %
% Nitrobenzene-d5	73			%	1	08/05/20	WB	30 - 130 %
% Phenol-d5	81			%	1	08/05/20	WB	30 - 130 %
% Terphenyl-d14	88			%	1	08/05/20	WB	30 - 130 %

Additional Semi-Volatile Compounds

1,1-Biphenyl	ND	260	110	ug/Kg	1	08/05/20	WB	SW8270D
1,2,4,5-Tetrachlorobenzene	ND	260	130	ug/Kg	1	08/05/20	WB	SW8270D
Atrazine	ND	130	74	ug/Kg	1	08/05/20	WB	SW8270D
Benzaldehyde	ND	260	110	ug/Kg	1	08/05/20	WB	SW8270D
Benzo(a)pyrene	ND	260	120	ug/Kg	1	08/05/20	WB	SW8270D
Caprolactam	ND	150	150	ug/Kg	1	08/05/20	WB	SW8270D
QA/QC Surrogates								
% 2,4,6-Tribromophenol	92			%	1	08/05/20	WB	30 - 130 %
% 2-Fluorobiphenyl	74			%	1	08/05/20	WB	30 - 130 %
% 2-Fluorophenol	75			%	1	08/05/20	WB	30 - 130 %
% Nitrobenzene-d5	73			%	1	08/05/20	WB	30 - 130 %
% Phenol-d5	81			%	1	08/05/20	WB	30 - 130 %
% Terphenyl-d14	88			%	1	08/05/20	WB	30 - 130 %
Pyridine	ND	220		ug/Kg	1	08/05/20	WB	SW8270D
SVOA Library Search Top 15	Completed					08/05/20	AW	

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

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Semi-Volatile Comment:
Due to low QC recoveries the RL/PQL of some compounds have been evaluated below the lowest calibration standard in order account for possible sample bias and meet criteria: 2,4-dintrophenol, 4,6-Dinitro-2-methylphenol, and Benzidine.

Corrosivity is based solely on the pH analysis performed above.

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

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

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

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

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

Semi-Volatile Comment:
To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

Hexavalent Chromium:
This sample is in a reducing state.

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

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director
August 11, 2020
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

August 11, 2020

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:	DM	08/03/20	14:25
Location Code:	EBC	Received by:	CP	08/04/20	15:52
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCG47143
Phoenix ID: CG47150

Project ID: 64 CENTRE AVE, NEW ROCHELLE NY
Client ID: 64B GRAB (6-8`)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Percent Solid	87			%		08/04/20	HB	SW846-%Solid	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	3.7	0.74	ug/Kg	1	08/06/20	JLI	SW8260C	
1,1,1-Trichloroethane	ND	3.7	0.37	ug/Kg	1	08/06/20	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	3.7	0.74	ug/Kg	1	08/06/20	JLI	SW8260C	
1,1,2-Trichloroethane	ND	3.7	0.74	ug/Kg	1	08/06/20	JLI	SW8260C	
1,1-Dichloroethane	ND	3.7	0.74	ug/Kg	1	08/06/20	JLI	SW8260C	
1,1-Dichloroethene	ND	3.7	0.37	ug/Kg	1	08/06/20	JLI	SW8260C	
1,1-Dichloropropene	ND	3.7	0.37	ug/Kg	1	08/06/20	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	3.7	0.74	ug/Kg	1	08/06/20	JLI	SW8260C	
1,2,3-Trichloropropane	ND	3.7	0.37	ug/Kg	1	08/06/20	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	3.7	0.74	ug/Kg	1	08/06/20	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	3.7	0.37	ug/Kg	1	08/06/20	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	3.7	0.74	ug/Kg	1	08/06/20	JLI	SW8260C	
1,2-Dibromoethane	ND	1.2	0.37	ug/Kg	1	08/06/20	JLI	SW8260C	
1,2-Dichlorobenzene	ND	3.7	0.37	ug/Kg	1	08/06/20	JLI	SW8260C	
1,2-Dichloroethane	ND	3.7	0.37	ug/Kg	1	08/06/20	JLI	SW8260C	
1,2-Dichloropropane	ND	3.7	0.74	ug/Kg	1	08/06/20	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	3.7	0.37	ug/Kg	1	08/06/20	JLI	SW8260C	
1,3-Dichlorobenzene	ND	3.7	0.37	ug/Kg	1	08/06/20	JLI	SW8260C	
1,3-Dichloropropane	ND	3.7	0.74	ug/Kg	1	08/06/20	JLI	SW8260C	
1,4-Dichlorobenzene	ND	3.7	0.37	ug/Kg	1	08/06/20	JLI	SW8260C	
2,2-Dichloropropane	ND	3.7	0.37	ug/Kg	1	08/06/20	JLI	SW8260C	
2-Chlorotoluene	ND	3.7	0.74	ug/Kg	1	08/06/20	JLI	SW8260C	
2-Hexanone	ND	18	3.7	ug/Kg	1	08/06/20	JLI	SW8260C	
2-Isopropyltoluene	ND	3.7	0.37	ug/Kg	1	08/06/20	JLI	SW8260C	1
4-Chlorotoluene	ND	3.7	0.37	ug/Kg	1	08/06/20	JLI	SW8260C	

Project ID: 64 CENTRE AVE, NEW ROCHELLE NY
Client ID: 64B GRAB (6-8`)

Phoenix I.D.: CG47150

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	
4-Methyl-2-pentanone	ND	18	3.7	ug/Kg	1	08/06/20	JLI	SW8260C
Acetone	ND	18	3.7	ug/Kg	1	08/06/20	JLI	SW8260C
Acrylonitrile	ND	7.4	0.74	ug/Kg	1	08/06/20	JLI	SW8260C
Benzene	ND	3.7	0.37	ug/Kg	1	08/06/20	JLI	SW8260C
Bromobenzene	ND	3.7	0.37	ug/Kg	1	08/06/20	JLI	SW8260C
Bromochloromethane	ND	3.7	0.37	ug/Kg	1	08/06/20	JLI	SW8260C
Bromodichloromethane	ND	3.7	0.74	ug/Kg	1	08/06/20	JLI	SW8260C
Bromoform	ND	3.7	0.74	ug/Kg	1	08/06/20	JLI	SW8260C
Bromomethane	ND	3.7	1.5	ug/Kg	1	08/06/20	JLI	SW8260C
Carbon Disulfide	ND	3.7	0.74	ug/Kg	1	08/06/20	JLI	SW8260C
Carbon tetrachloride	ND	3.7	0.74	ug/Kg	1	08/06/20	JLI	SW8260C
Chlorobenzene	ND	3.7	0.37	ug/Kg	1	08/06/20	JLI	SW8260C
Chloroethane	ND	3.7	0.37	ug/Kg	1	08/06/20	JLI	SW8260C
Chloroform	ND	3.7	0.37	ug/Kg	1	08/06/20	JLI	SW8260C
Chloromethane	ND	3.7	0.74	ug/Kg	1	08/06/20	JLI	SW8260C
cis-1,2-Dichloroethene	ND	3.7	0.37	ug/Kg	1	08/06/20	JLI	SW8260C
cis-1,3-Dichloropropene	ND	3.7	0.37	ug/Kg	1	08/06/20	JLI	SW8260C
Dibromochloromethane	ND	3.7	0.74	ug/Kg	1	08/06/20	JLI	SW8260C
Dibromomethane	ND	3.7	0.74	ug/Kg	1	08/06/20	JLI	SW8260C
Dichlorodifluoromethane	ND	3.7	0.37	ug/Kg	1	08/06/20	JLI	SW8260C
Ethylbenzene	ND	3.7	0.37	ug/Kg	1	08/06/20	JLI	SW8260C
Hexachlorobutadiene	ND	3.7	0.37	ug/Kg	1	08/06/20	JLI	SW8260C
Isopropylbenzene	ND	3.7	0.37	ug/Kg	1	08/06/20	JLI	SW8260C
m&p-Xylene	ND	3.7	0.74	ug/Kg	1	08/06/20	JLI	SW8260C
Methyl Ethyl Ketone	ND	22	3.7	ug/Kg	1	08/06/20	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	7.4	0.74	ug/Kg	1	08/06/20	JLI	SW8260C
Methylene chloride	ND	3.7	3.7	ug/Kg	1	08/06/20	JLI	SW8260C
Naphthalene	ND	3.7	0.74	ug/Kg	1	08/06/20	JLI	SW8260C
n-Butylbenzene	ND	3.7	0.37	ug/Kg	1	08/06/20	JLI	SW8260C
n-Propylbenzene	ND	3.7	0.74	ug/Kg	1	08/06/20	JLI	SW8260C
o-Xylene	ND	3.7	0.74	ug/Kg	1	08/06/20	JLI	SW8260C
p-Isopropyltoluene	ND	3.7	0.37	ug/Kg	1	08/06/20	JLI	SW8260C
sec-Butylbenzene	ND	3.7	0.37	ug/Kg	1	08/06/20	JLI	SW8260C
Styrene	ND	3.7	0.37	ug/Kg	1	08/06/20	JLI	SW8260C
tert-Butylbenzene	ND	3.7	0.37	ug/Kg	1	08/06/20	JLI	SW8260C
Tetrachloroethene	ND	3.7	0.74	ug/Kg	1	08/06/20	JLI	SW8260C
Tetrahydrofuran (THF)	ND	7.4	1.8	ug/Kg	1	08/06/20	JLI	SW8260C
Toluene	ND	3.7	0.37	ug/Kg	1	08/06/20	JLI	SW8260C
trans-1,2-Dichloroethene	ND	3.7	0.37	ug/Kg	1	08/06/20	JLI	SW8260C
trans-1,3-Dichloropropene	ND	3.7	0.37	ug/Kg	1	08/06/20	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	7.4	1.8	ug/Kg	1	08/06/20	JLI	SW8260C
Trichloroethene	ND	3.7	0.37	ug/Kg	1	08/06/20	JLI	SW8260C
Trichlorofluoromethane	ND	3.7	0.74	ug/Kg	1	08/06/20	JLI	SW8260C
Trichlorotrifluoroethane	ND	3.7	0.37	ug/Kg	1	08/06/20	JLI	SW8260C
Vinyl chloride	ND	3.7	0.37	ug/Kg	1	08/06/20	JLI	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	102			%	1	08/06/20	JLI	70 - 130 %
% Bromofluorobenzene	94			%	1	08/06/20	JLI	70 - 130 %
% Dibromofluoromethane	92			%	1	08/06/20	JLI	70 - 130 %

Ver 1

Project ID: 64 CENTRE AVE, NEW ROCHELLE NY
Client ID: 64B GRAB (6-8`)

Phoenix I.D.: CG47150

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By		
% Toluene-d8	99			%	1	08/06/20	JLI	70 - 130 %	
1,4-dioxane									
1,4-dioxane	ND	55		ug/kg	1	08/06/20	JLI	SW8260C	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	102			%	1	08/06/20	JLI	70 - 130 %	
% Bromofluorobenzene	94			%	1	08/06/20	JLI	70 - 130 %	
% Dibromofluoromethane	92			%	1	08/06/20	JLI	70 - 130 %	
% Toluene-d8	99			%	1	08/06/20	JLI	70 - 130 %	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	15		ug/Kg	1	08/06/20	JLI	SW8260C	
Acrolein	ND	1.4		ug/Kg	1	08/06/20	JLI	SW8260C	
Acrylonitrile	ND	15		ug/Kg	1	08/06/20	JLI	SW8260C	
Tert-butyl alcohol	ND	74		ug/Kg	1	08/06/20	JLI	SW8260C	
Field Extraction	Completed					08/03/20		SW5035A	1

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Volatile Comment:
To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

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

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director

August 11, 2020

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

August 11, 2020

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:	DM	08/03/20	17:36
Location Code:	EBC	Received by:	CP	08/04/20	15:52
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCG47143
Phoenix ID: CG47151

Project ID: 64 CENTRE AVE, NEW ROCHELLE NY
Client ID: 64B COMP (8-10`)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Silver	< 0.38	0.38		mg/Kg	1	08/05/20	TH	SW6010D	
Aluminum	20800	38		mg/Kg	10	08/05/20	TH	SW6010D	
Arsenic	< 0.76	0.76		mg/Kg	1	08/05/20	TH	SW6010D	
Barium	238	0.8		mg/Kg	1	08/05/20	TH	SW6010D	
Beryllium	0.38	0.31		mg/Kg	1	08/05/20	TH	SW6010D	
Calcium	1090	3.8		mg/Kg	1	08/05/20	TH	SW6010D	
Cadmium	1.32	0.38		mg/Kg	1	08/05/20	TH	SW6010D	
Cobalt	22.1	0.38		mg/Kg	1	08/05/20	TH	SW6010D	
Chromium	41.6	0.38		mg/Kg	1	08/05/20	TH	SW6010D	
Copper	15.6	0.8		mg/kg	1	08/05/20	TH	SW6010D	
Iron	40300	38		mg/Kg	10	08/05/20	EK	SW6010D	B
Mercury	< 0.03	0.03		mg/Kg	2	08/05/20	RS	SW7471B	
Potassium	14000	76		mg/Kg	10	08/05/20	EK	SW6010D	B
Magnesium	8850	38		mg/Kg	10	08/05/20	TH	SW6010D	
Manganese	655	3.8		mg/Kg	10	08/05/20	EK	SW6010D	
Molybdenum	< 0.38	0.38		mg/Kg	1	08/05/20	TH	SW6010D	
Sodium	326	8		mg/Kg	1	08/05/20	EK	SW6010D	B
Nickel	32.1	0.38		mg/Kg	1	08/05/20	TH	SW6010D	
Lead	3.8	0.8		mg/Kg	1	08/05/20	TH	SW6010D	
Antimony	< 3.8	3.8		mg/Kg	1	08/05/20	TH	SW6010D	
Selenium	< 1.5	1.5		mg/Kg	1	08/05/20	TH	SW6010D	
TCLP Silver	< 0.10	0.10		mg/L	1	08/06/20	TH	SW846 1311/6010	
TCLP Arsenic	< 0.10	0.10		mg/L	1	08/06/20	TH	SW846 1311/6010	1
TCLP Barium	0.22	0.10		mg/L	1	08/06/20	TH	SW846 1311/6010	
TCLP Cadmium	< 0.050	0.050		mg/L	1	08/06/20	TH	SW846 1311/6010	
TCLP Chromium	< 0.10	0.10		mg/L	1	08/06/20	TH	SW846 1311/6010	
TCLP Copper	< 0.10	0.10		mg/L	1	08/06/20	TH	SW846 1311/6010	
TCLP Mercury	< 0.0002	0.0002		mg/L	1	08/06/20	RS	SW846 1311/7470	1

Ver 1

Project ID: 64 CENTRE AVE, NEW ROCHELLE NY
Client ID: 64B COMP (8-10`)

Phoenix I.D.: CG47151

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By		
TCLP Nickel	< 0.10	0.10		mg/L	1	08/06/20	TH	SW846 1311/6010	
TCLP Lead	< 0.10	0.10		mg/L	1	08/06/20	TH	SW846 1311/6010	
TCLP Selenium	< 0.10	0.10		mg/L	1	08/06/20	TH	SW846 1311/6010D	
TCLP Zinc	< 0.10	0.10		mg/L	1	08/06/20	TH	SW846 1311/6010D	
Thallium	< 1.5	1.5		mg/Kg	1	08/05/20	TH	SW6010D	
TCLP Metals Digestion	Completed					08/05/20	VT/VT	SW3010A	
Vanadium	55.7	0.38		mg/Kg	1	08/05/20	TH	SW6010D	
Zinc	84.4	0.8		mg/Kg	1	08/05/20	TH	SW6010D	
Percent Solid	91			%		08/04/20	HB	SW846-%Solid	
Corrosivity	Negative			Pos/Neg	1	08/04/20	MB	SW846-Corr	1
Flash Point	>200	200		Degree F	1	08/07/20	ARG	1010/CH7/ASTMD92	
Chromium, Hex. (SW3060 digestion)	< 0.43	0.43		mg/Kg	1	08/05/20	ARG/BJA	SW7196A	
Ignitability	Passed	140		degree F	1	08/07/20	ARG	SW846-Ignit	1
pH at 25C - Soil	7.93	1.00		pH Units	1	08/04/20 22:28	MB	SW846 9045	1
Reactivity Cyanide	< 5	5		mg/Kg	1	08/06/20	D/E/G	SW846 7.3.3.1/90	1
Reactivity Sulfide	< 20	20		mg/Kg	1	08/06/20	DJ/ARG	SW846 CH7	1
Reactivity	Negative			Pos/Neg	1	08/06/20	ARG	SW846-React	1
Redox Potential	186			mV	1	08/04/20	MB	SM2580B-09	1
Total Cyanide (SW9010C Distill.)	< 0.55	0.55		mg/Kg	1	08/07/20	EG	SW9012B	
Soil Extraction for PCB	Completed					08/04/20	L/A	SW3545A	
Soil Extraction for Pesticides	Completed					08/04/20	L	SW3545A	
Mercury Digestion	Completed					08/05/20	VT/VT	SW7471B	
Soil Extraction for SVOA	Completed					08/04/20	R/AA	SW3546	
NJ EPH Extraction	Completed					08/04/20	K/E	NJDEP 10-08 R3	
Soil Extraction for Herbicide	Completed					08/04/20	J/D/AK	SW3550C	
TCLP Digestion Mercury	Completed					08/05/20	VT/VT	SW7470A	
TCLP Extraction for Metals	Completed					08/04/20	VT	SW1311	
Total Metals Digest	Completed					08/04/20	F/AG/BF	SW3050B	
NJ EPH Category 2									
Total EPH (C9-C40)	ND	54	54	mg/kg	1	08/05/20	JRB	NJEPH 10-08 R3	1
QA/QC Surrogates									
% COD (surr)	59			%	1	08/05/20	JRB	40 - 140 %	
% Terphenyl (surr)	66			%	1	08/05/20	JRB	40 - 140 %	
Chlorinated Herbicides									
2,4,5-T	ND	90		ug/Kg	10	08/06/20	JRB	SW8151A	
2,4,5-TP (Silvex)	ND	90		ug/Kg	10	08/06/20	JRB	SW8151A	
2,4-D	ND	180		ug/Kg	10	08/06/20	JRB	SW8151A	
2,4-DB	ND	1800		ug/Kg	10	08/06/20	JRB	SW8151A	
Dalapon	ND	90		ug/Kg	10	08/06/20	JRB	SW8151A	
Dicamba	ND	90		ug/Kg	10	08/06/20	JRB	SW8151A	
Dichloroprop	ND	180		ug/Kg	10	08/06/20	JRB	SW8151A	
Dinoseb	ND	180		ug/Kg	10	08/06/20	JRB	SW8151A	
QA/QC Surrogates									
% DCAA	48			%	10	08/06/20	JRB	30 - 150 %	
% DCAA (Confirmation)	52			%	10	08/06/20	JRB	30 - 150 %	
Polychlorinated Biphenyls									
PCB-1016	ND	72	72	ug/Kg	2	08/05/20	SC	SW8082A	

Ver 1

Project ID: 64 CENTRE AVE, NEW ROCHELLE NY
Client ID: 64B COMP (8-10`)

Phoenix I.D.: CG47151

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	
PCB-1221	ND	72	72	ug/Kg	2	08/05/20	SC	SW8082A
PCB-1232	ND	72	72	ug/Kg	2	08/05/20	SC	SW8082A
PCB-1242	ND	72	72	ug/Kg	2	08/05/20	SC	SW8082A
PCB-1248	ND	72	72	ug/Kg	2	08/05/20	SC	SW8082A
PCB-1254	ND	72	72	ug/Kg	2	08/05/20	SC	SW8082A
PCB-1260	ND	72	72	ug/Kg	2	08/05/20	SC	SW8082A
PCB-1262	ND	72	72	ug/Kg	2	08/05/20	SC	SW8082A
PCB-1268	ND	72	72	ug/Kg	2	08/05/20	SC	SW8082A
QA/QC Surrogates								
% DCBP	76			%	2	08/05/20	SC	30 - 150 %
% DCBP (Confirmation)	80			%	2	08/05/20	SC	30 - 150 %
% TCMX	65			%	2	08/05/20	SC	30 - 150 %
% TCMX (Confirmation)	67			%	2	08/05/20	SC	30 - 150 %
Pesticides - Soil								
4,4' -DDD	ND	2.2		ug/Kg	2	08/05/20	CG	SW8081B
4,4' -DDE	ND	2.2		ug/Kg	2	08/05/20	CG	SW8081B
4,4' -DDT	ND	2.2		ug/Kg	2	08/05/20	CG	SW8081B
a-BHC	ND	7.2		ug/Kg	2	08/05/20	CG	SW8081B
a-Chlordane	ND	3.6		ug/Kg	2	08/05/20	CG	SW8081B
Aldrin	ND	3.6		ug/Kg	2	08/05/20	CG	SW8081B
b-BHC	ND	7.2		ug/Kg	2	08/05/20	CG	SW8081B
Chlordane	ND	36		ug/Kg	2	08/05/20	CG	SW8081B
d-BHC	ND	7.2		ug/Kg	2	08/05/20	CG	SW8081B
Dieldrin	ND	3.6		ug/Kg	2	08/05/20	CG	SW8081B
Endosulfan I	ND	7.2		ug/Kg	2	08/05/20	CG	SW8081B
Endosulfan II	ND	7.2		ug/Kg	2	08/05/20	CG	SW8081B
Endosulfan sulfate	ND	7.2		ug/Kg	2	08/05/20	CG	SW8081B
Endrin	ND	7.2		ug/Kg	2	08/05/20	CG	SW8081B
Endrin aldehyde	ND	7.2		ug/Kg	2	08/05/20	CG	SW8081B
Endrin ketone	ND	7.2		ug/Kg	2	08/05/20	CG	SW8081B
g-BHC	ND	1.4		ug/Kg	2	08/05/20	CG	SW8081B
g-Chlordane	ND	3.6		ug/Kg	2	08/05/20	CG	SW8081B
Heptachlor	ND	7.2		ug/Kg	2	08/05/20	CG	SW8081B
Heptachlor epoxide	ND	7.2		ug/Kg	2	08/05/20	CG	SW8081B
Methoxychlor	ND	36		ug/Kg	2	08/05/20	CG	SW8081B
Toxaphene	ND	140		ug/Kg	2	08/05/20	CG	SW8081B
QA/QC Surrogates								
% DCBP	54			%	2	08/05/20	CG	30 - 150 %
% DCBP (Confirmation)	66			%	2	08/05/20	CG	30 - 150 %
% TCMX	63			%	2	08/05/20	CG	30 - 150 %
% TCMX (Confirmation)	60			%	2	08/05/20	CG	30 - 150 %
Semivolatiles								
1,2,4,5-Tetrachlorobenzene	ND	260	130	ug/Kg	1	08/05/20	WB	SW8270D
1,2,4-Trichlorobenzene	ND	260	110	ug/Kg	1	08/05/20	WB	SW8270D
1,2-Dichlorobenzene	ND	260	100	ug/Kg	1	08/05/20	WB	SW8270D
1,2-Diphenylhydrazine	ND	260	120	ug/Kg	1	08/05/20	WB	SW8270D
1,3-Dichlorobenzene	ND	260	110	ug/Kg	1	08/05/20	WB	SW8270D
1,4-Dichlorobenzene	ND	260	110	ug/Kg	1	08/05/20	WB	SW8270D

Project ID: 64 CENTRE AVE, NEW ROCHELLE NY
Client ID: 64B COMP (8-10`)

Phoenix I.D.: CG47151

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By		
2,4,5-Trichlorophenol	ND	260	200	ug/Kg	1	08/05/20	WB	SW8270D	
2,4,6-Trichlorophenol	ND	180	120	ug/Kg	1	08/05/20	WB	SW8270D	
2,4-Dichlorophenol	ND	180	130	ug/Kg	1	08/05/20	WB	SW8270D	
2,4-Dimethylphenol	ND	260	90	ug/Kg	1	08/05/20	WB	SW8270D	
2,4-Dinitrophenol	ND	260	260	ug/Kg	1	08/05/20	WB	SW8270D	
2,4-Dinitrotoluene	ND	180	140	ug/Kg	1	08/05/20	WB	SW8270D	
2,6-Dinitrotoluene	ND	180	120	ug/Kg	1	08/05/20	WB	SW8270D	
2-Chloronaphthalene	ND	260	100	ug/Kg	1	08/05/20	WB	SW8270D	
2-Chlorophenol	ND	260	100	ug/Kg	1	08/05/20	WB	SW8270D	
2-Methylnaphthalene	ND	260	110	ug/Kg	1	08/05/20	WB	SW8270D	
2-Methylphenol (o-cresol)	ND	260	170	ug/Kg	1	08/05/20	WB	SW8270D	
2-Nitroaniline	ND	100	100	ug/Kg	1	08/05/20	WB	SW8270D	
2-Nitrophenol	ND	260	230	ug/Kg	1	08/05/20	WB	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND	260	140	ug/Kg	1	08/05/20	WB	SW8270D	1
3,3'-Dichlorobenzidine	ND	180	170	ug/Kg	1	08/05/20	WB	SW8270D	
3-Nitroaniline	ND	91	91	ug/Kg	1	08/05/20	WB	SW8270D	
4,6-Dinitro-2-methylphenol	ND	220	73	ug/Kg	1	08/05/20	WB	SW8270D	
4-Bromophenyl phenyl ether	ND	260	110	ug/Kg	1	08/05/20	WB	SW8270D	
4-Chloro-3-methylphenol	ND	260	130	ug/Kg	1	08/05/20	WB	SW8270D	
4-Chloroaniline	ND	290	170	ug/Kg	1	08/05/20	WB	SW8270D	
4-Chlorophenyl phenyl ether	ND	260	120	ug/Kg	1	08/05/20	WB	SW8270D	
4-Nitroaniline	ND	86	86	ug/Kg	1	08/05/20	WB	SW8270D	
4-Nitrophenol	ND	360	160	ug/Kg	1	08/05/20	WB	SW8270D	
Acenaphthene	ND	260	110	ug/Kg	1	08/05/20	WB	SW8270D	
Acenaphthylene	ND	260	100	ug/Kg	1	08/05/20	WB	SW8270D	
Acetophenone	ND	260	110	ug/Kg	1	08/05/20	WB	SW8270D	
Aniline	ND	290	290	ug/Kg	1	08/05/20	WB	SW8270D	
Anthracene	ND	260	120	ug/Kg	1	08/05/20	WB	SW8270D	
Benz(a)anthracene	ND	260	120	ug/Kg	1	08/05/20	WB	SW8270D	
Benzidine	ND	340	210	ug/Kg	1	08/05/20	WB	SW8270D	
Benzo(a)pyrene	ND	180	120	ug/Kg	1	08/05/20	WB	SW8270D	
Benzo(b)fluoranthene	ND	260	120	ug/Kg	1	08/05/20	WB	SW8270D	
Benzo(ghi)perylene	ND	260	120	ug/Kg	1	08/05/20	WB	SW8270D	
Benzo(k)fluoranthene	ND	260	120	ug/Kg	1	08/05/20	WB	SW8270D	
Benzoic acid	ND	1800	730	ug/Kg	1	08/05/20	WB	SW8270D	
Benzyl butyl phthalate	ND	260	94	ug/Kg	1	08/05/20	WB	SW8270D	
Bis(2-chloroethoxy)methane	ND	260	100	ug/Kg	1	08/05/20	WB	SW8270D	
Bis(2-chloroethyl)ether	ND	73	73	ug/Kg	1	08/05/20	WB	SW8270D	
Bis(2-chloroisopropyl)ether	ND	260	100	ug/Kg	1	08/05/20	WB	SW8270D	
Bis(2-ethylhexyl)phthalate	ND	260	110	ug/Kg	1	08/05/20	WB	SW8270D	
Carbazole	ND	180	150	ug/Kg	1	08/05/20	WB	SW8270D	
Chrysene	ND	260	120	ug/Kg	1	08/05/20	WB	SW8270D	
Dibenz(a,h)anthracene	ND	180	120	ug/Kg	1	08/05/20	WB	SW8270D	
Dibenzofuran	ND	260	110	ug/Kg	1	08/05/20	WB	SW8270D	
Diethyl phthalate	ND	260	120	ug/Kg	1	08/05/20	WB	SW8270D	
Dimethylphthalate	ND	260	110	ug/Kg	1	08/05/20	WB	SW8270D	
Di-n-butylphthalate	ND	260	97	ug/Kg	1	08/05/20	WB	SW8270D	
Di-n-octylphthalate	ND	260	94	ug/Kg	1	08/05/20	WB	SW8270D	
Fluoranthene	ND	260	120	ug/Kg	1	08/05/20	WB	SW8270D	

Project ID: 64 CENTRE AVE, NEW ROCHELLE NY
Client ID: 64B COMP (8-10`)

Phoenix I.D.: CG47151

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	
Fluorene	ND	260	120	ug/Kg	1	08/05/20	WB	SW8270D
Hexachlorobenzene	ND	180	110	ug/Kg	1	08/05/20	WB	SW8270D
Hexachlorobutadiene	ND	260	130	ug/Kg	1	08/05/20	WB	SW8270D
Hexachlorocyclopentadiene	ND	260	110	ug/Kg	1	08/05/20	WB	SW8270D
Hexachloroethane	ND	180	110	ug/Kg	1	08/05/20	WB	SW8270D
Indeno(1,2,3-cd)pyrene	ND	260	120	ug/Kg	1	08/05/20	WB	SW8270D
Isophorone	ND	180	100	ug/Kg	1	08/05/20	WB	SW8270D
Naphthalene	ND	260	110	ug/Kg	1	08/05/20	WB	SW8270D
Nitrobenzene	ND	180	130	ug/Kg	1	08/05/20	WB	SW8270D
N-Nitrosodimethylamine	ND	73	73	ug/Kg	1	08/05/20	WB	SW8270D
N-Nitrosodi-n-propylamine	ND	73	73	ug/Kg	1	08/05/20	WB	SW8270D
N-Nitrosodiphenylamine	ND	260	140	ug/Kg	1	08/05/20	WB	SW8270D
Pentachloronitrobenzene	ND	260	140	ug/Kg	1	08/05/20	WB	SW8270D
Pentachlorophenol	ND	220	140	ug/Kg	1	08/05/20	WB	SW8270D
Phenanthrene	ND	260	100	ug/Kg	1	08/05/20	WB	SW8270D
Phenol	ND	260	120	ug/Kg	1	08/05/20	WB	SW8270D
Pyrene	ND	260	130	ug/Kg	1	08/05/20	WB	SW8270D
Pyridine	ND	220	90	ug/Kg	1	08/05/20	WB	SW8270D
QA/QC Surrogates								
% 2,4,6-Tribromophenol	90			%	1	08/05/20	WB	30 - 130 %
% 2-Fluorobiphenyl	81			%	1	08/05/20	WB	30 - 130 %
% 2-Fluorophenol	80			%	1	08/05/20	WB	30 - 130 %
% Nitrobenzene-d5	81			%	1	08/05/20	WB	30 - 130 %
% Phenol-d5	83			%	1	08/05/20	WB	30 - 130 %
% Terphenyl-d14	88			%	1	08/05/20	WB	30 - 130 %

Additional Semi-Volatile Compounds

1,1-Biphenyl	ND	260	110	ug/Kg	1	08/05/20	WB	SW8270D
1,2,4,5-Tetrachlorobenzene	ND	260	130	ug/Kg	1	08/05/20	WB	SW8270D
Atrazine	ND	130	73	ug/Kg	1	08/05/20	WB	SW8270D
Benzaldehyde	ND	260	110	ug/Kg	1	08/05/20	WB	SW8270D
Benzo(a)pyrene	ND	260	120	ug/Kg	1	08/05/20	WB	SW8270D
Caprolactam	ND	150	150	ug/Kg	1	08/05/20	WB	SW8270D
QA/QC Surrogates								
% 2,4,6-Tribromophenol	90			%	1	08/05/20	WB	30 - 130 %
% 2-Fluorobiphenyl	81			%	1	08/05/20	WB	30 - 130 %
% 2-Fluorophenol	80			%	1	08/05/20	WB	30 - 130 %
% Nitrobenzene-d5	81			%	1	08/05/20	WB	30 - 130 %
% Phenol-d5	83			%	1	08/05/20	WB	30 - 130 %
% Terphenyl-d14	88			%	1	08/05/20	WB	30 - 130 %
Pyridine	ND	220		ug/Kg	1	08/05/20	WB	SW8270D
SVOA Library Search Top 15	Completed					08/05/20	WB	

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

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Semi-Volatile Comment:
Due to low QC recoveries the RL/PQL of some compounds have been evaluated below the lowest calibration standard in order account for possible sample bias and meet criteria: 2,4-dintrophenol, 4,6-Dinitro-2-methylphenol, and Benzidine.

Corrosivity is based solely on the pH analysis performed above.

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

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

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

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

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

Semi-Volatile Comment:
To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

Hexavalent Chromium:
This sample is in a reducing state.

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

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director
August 11, 2020
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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

Analysis Report

August 11, 2020

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:	DM	08/03/20	14:20
Location Code:	EBC	Received by:	CP	08/04/20	15:52
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCG47143
Phoenix ID: CG47152

Project ID: 64 CENTRE AVE, NEW ROCHELLE NY
Client ID: 64B GRAB (8-10`)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Percent Solid	90			%		08/04/20	HB	SW846-%Solid	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	5.5	1.1	ug/Kg	1	08/06/20	JLI	SW8260C	
1,1,1-Trichloroethane	ND	5.5	0.55	ug/Kg	1	08/06/20	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	5.5	1.1	ug/Kg	1	08/06/20	JLI	SW8260C	
1,1,2-Trichloroethane	ND	5.5	1.1	ug/Kg	1	08/06/20	JLI	SW8260C	
1,1-Dichloroethane	ND	5.5	1.1	ug/Kg	1	08/06/20	JLI	SW8260C	
1,1-Dichloroethene	ND	5.5	0.55	ug/Kg	1	08/06/20	JLI	SW8260C	
1,1-Dichloropropene	ND	5.5	0.55	ug/Kg	1	08/06/20	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	5.5	1.1	ug/Kg	1	08/06/20	JLI	SW8260C	
1,2,3-Trichloropropane	ND	5.5	0.55	ug/Kg	1	08/06/20	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	5.5	1.1	ug/Kg	1	08/06/20	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	5.5	0.55	ug/Kg	1	08/06/20	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	5.5	1.1	ug/Kg	1	08/06/20	JLI	SW8260C	
1,2-Dibromoethane	ND	1.2	0.55	ug/Kg	1	08/06/20	JLI	SW8260C	
1,2-Dichlorobenzene	ND	5.5	0.55	ug/Kg	1	08/06/20	JLI	SW8260C	
1,2-Dichloroethane	ND	5.5	0.55	ug/Kg	1	08/06/20	JLI	SW8260C	
1,2-Dichloropropane	ND	5.5	1.1	ug/Kg	1	08/06/20	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	5.5	0.55	ug/Kg	1	08/06/20	JLI	SW8260C	
1,3-Dichlorobenzene	ND	5.5	0.55	ug/Kg	1	08/06/20	JLI	SW8260C	
1,3-Dichloropropane	ND	5.5	1.1	ug/Kg	1	08/06/20	JLI	SW8260C	
1,4-Dichlorobenzene	ND	5.5	0.55	ug/Kg	1	08/06/20	JLI	SW8260C	
2,2-Dichloropropane	ND	5.5	0.55	ug/Kg	1	08/06/20	JLI	SW8260C	
2-Chlorotoluene	ND	5.5	1.1	ug/Kg	1	08/06/20	JLI	SW8260C	
2-Hexanone	ND	28	5.5	ug/Kg	1	08/06/20	JLI	SW8260C	
2-Isopropyltoluene	ND	5.5	0.55	ug/Kg	1	08/06/20	JLI	SW8260C	1
4-Chlorotoluene	ND	5.5	0.55	ug/Kg	1	08/06/20	JLI	SW8260C	

Project ID: 64 CENTRE AVE, NEW ROCHELLE NY
Client ID: 64B GRAB (8-10`)

Phoenix I.D.: CG47152

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	
4-Methyl-2-pentanone	ND	28	5.5	ug/Kg	1	08/06/20	JLI	SW8260C
Acetone	ND	28	5.5	ug/Kg	1	08/06/20	JLI	SW8260C
Acrylonitrile	ND	11	1.1	ug/Kg	1	08/06/20	JLI	SW8260C
Benzene	ND	5.5	0.55	ug/Kg	1	08/06/20	JLI	SW8260C
Bromobenzene	ND	5.5	0.55	ug/Kg	1	08/06/20	JLI	SW8260C
Bromochloromethane	ND	5.5	0.55	ug/Kg	1	08/06/20	JLI	SW8260C
Bromodichloromethane	ND	5.5	1.1	ug/Kg	1	08/06/20	JLI	SW8260C
Bromoform	ND	5.5	1.1	ug/Kg	1	08/06/20	JLI	SW8260C
Bromomethane	ND	5.5	2.2	ug/Kg	1	08/06/20	JLI	SW8260C
Carbon Disulfide	ND	5.5	1.1	ug/Kg	1	08/06/20	JLI	SW8260C
Carbon tetrachloride	ND	5.5	1.1	ug/Kg	1	08/06/20	JLI	SW8260C
Chlorobenzene	ND	5.5	0.55	ug/Kg	1	08/06/20	JLI	SW8260C
Chloroethane	ND	5.5	0.55	ug/Kg	1	08/06/20	JLI	SW8260C
Chloroform	ND	5.5	0.55	ug/Kg	1	08/06/20	JLI	SW8260C
Chloromethane	ND	5.5	1.1	ug/Kg	1	08/06/20	JLI	SW8260C
cis-1,2-Dichloroethene	ND	5.5	0.55	ug/Kg	1	08/06/20	JLI	SW8260C
cis-1,3-Dichloropropene	ND	5.5	0.55	ug/Kg	1	08/06/20	JLI	SW8260C
Dibromochloromethane	ND	5.5	1.1	ug/Kg	1	08/06/20	JLI	SW8260C
Dibromomethane	ND	5.5	1.1	ug/Kg	1	08/06/20	JLI	SW8260C
Dichlorodifluoromethane	ND	5.5	0.55	ug/Kg	1	08/06/20	JLI	SW8260C
Ethylbenzene	ND	5.5	0.55	ug/Kg	1	08/06/20	JLI	SW8260C
Hexachlorobutadiene	ND	5.5	0.55	ug/Kg	1	08/06/20	JLI	SW8260C
Isopropylbenzene	ND	5.5	0.55	ug/Kg	1	08/06/20	JLI	SW8260C
m&p-Xylene	ND	5.5	1.1	ug/Kg	1	08/06/20	JLI	SW8260C
Methyl Ethyl Ketone	ND	33	5.5	ug/Kg	1	08/06/20	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	11	1.1	ug/Kg	1	08/06/20	JLI	SW8260C
Methylene chloride	ND	5.5	5.5	ug/Kg	1	08/06/20	JLI	SW8260C
Naphthalene	ND	5.5	1.1	ug/Kg	1	08/06/20	JLI	SW8260C
n-Butylbenzene	ND	5.5	0.55	ug/Kg	1	08/06/20	JLI	SW8260C
n-Propylbenzene	ND	5.5	1.1	ug/Kg	1	08/06/20	JLI	SW8260C
o-Xylene	ND	5.5	1.1	ug/Kg	1	08/06/20	JLI	SW8260C
p-Isopropyltoluene	ND	5.5	0.55	ug/Kg	1	08/06/20	JLI	SW8260C
sec-Butylbenzene	ND	5.5	0.55	ug/Kg	1	08/06/20	JLI	SW8260C
Styrene	ND	5.5	0.55	ug/Kg	1	08/06/20	JLI	SW8260C
tert-Butylbenzene	ND	5.5	0.55	ug/Kg	1	08/06/20	JLI	SW8260C
Tetrachloroethene	ND	5.5	1.1	ug/Kg	1	08/06/20	JLI	SW8260C
Tetrahydrofuran (THF)	ND	11	2.8	ug/Kg	1	08/06/20	JLI	SW8260C
Toluene	ND	5.5	0.55	ug/Kg	1	08/06/20	JLI	SW8260C
trans-1,2-Dichloroethene	ND	5.5	0.55	ug/Kg	1	08/06/20	JLI	SW8260C
trans-1,3-Dichloropropene	ND	5.5	0.55	ug/Kg	1	08/06/20	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	11	2.8	ug/Kg	1	08/06/20	JLI	SW8260C
Trichloroethene	ND	5.5	0.55	ug/Kg	1	08/06/20	JLI	SW8260C
Trichlorofluoromethane	ND	5.5	1.1	ug/Kg	1	08/06/20	JLI	SW8260C
Trichlorotrifluoroethane	ND	5.5	0.55	ug/Kg	1	08/06/20	JLI	SW8260C
Vinyl chloride	ND	5.5	0.55	ug/Kg	1	08/06/20	JLI	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	101			%	1	08/06/20	JLI	70 - 130 %
% Bromofluorobenzene	99			%	1	08/06/20	JLI	70 - 130 %
% Dibromofluoromethane	92			%	1	08/06/20	JLI	70 - 130 %

Ver 1

Project ID: 64 CENTRE AVE, NEW ROCHELLE NY
Client ID: 64B GRAB (8-10`)

Phoenix I.D.: CG47152

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By		
% Toluene-d8	99			%	1	08/06/20	JLI	70 - 130 %	
1,4-dioxane									
1,4-dioxane	ND	83		ug/kg	1	08/06/20	JLI	SW8260C	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	101			%	1	08/06/20	JLI	70 - 130 %	
% Bromofluorobenzene	99			%	1	08/06/20	JLI	70 - 130 %	
% Dibromofluoromethane	92			%	1	08/06/20	JLI	70 - 130 %	
% Toluene-d8	99			%	1	08/06/20	JLI	70 - 130 %	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	22		ug/Kg	1	08/06/20	JLI	SW8260C	
Acrolein	ND	1.4		ug/Kg	1	08/06/20	JLI	SW8260C	
Acrylonitrile	ND	22		ug/Kg	1	08/06/20	JLI	SW8260C	
Tert-butyl alcohol	ND	110		ug/Kg	1	08/06/20	JLI	SW8260C	
Field Extraction	Completed					08/03/20		SW5035A	1

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Volatile Comment:
To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

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

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director

August 11, 2020

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

August 11, 2020

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:	DM	08/03/20	17:42
Location Code:	EBC	Received by:	CP	08/04/20	15:52
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCG47143
Phoenix ID: CG47153

Project ID: 64 CENTRE AVE, NEW ROCHELLE NY
Client ID: 64B COMP (10-12`)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Silver	< 0.35	0.35		mg/Kg	1	08/05/20	TH	SW6010D	
Aluminum	18300	35		mg/Kg	10	08/05/20	TH	SW6010D	
Arsenic	< 0.70	0.70		mg/Kg	1	08/05/20	TH	SW6010D	
Barium	185	0.7		mg/Kg	1	08/05/20	TH	SW6010D	
Beryllium	0.33	0.28		mg/Kg	1	08/05/20	TH	SW6010D	
Calcium	1630	3.5		mg/Kg	1	08/05/20	TH	SW6010D	
Cadmium	1.21	0.35		mg/Kg	1	08/05/20	TH	SW6010D	
Cobalt	20.4	0.35		mg/Kg	1	08/05/20	TH	SW6010D	
Chromium	37.2	0.35		mg/Kg	1	08/05/20	TH	SW6010D	
Copper	26.0	0.7		mg/kg	1	08/05/20	TH	SW6010D	
Iron	36400	35		mg/Kg	10	08/05/20	EK	SW6010D	B
Mercury	< 0.03	0.03		mg/Kg	2	08/05/20	RS	SW7471B	
Potassium	12700	70		mg/Kg	10	08/05/20	EK	SW6010D	B
Magnesium	7990	35		mg/Kg	10	08/05/20	TH	SW6010D	
Manganese	611	3.5		mg/Kg	10	08/05/20	EK	SW6010D	
Molybdenum	0.38	0.35		mg/Kg	1	08/05/20	TH	SW6010D	
Sodium	284	7		mg/Kg	1	08/05/20	EK	SW6010D	B
Nickel	30.1	0.35		mg/Kg	1	08/05/20	TH	SW6010D	
Lead	4.6	0.7		mg/Kg	1	08/05/20	TH	SW6010D	
Antimony	< 3.5	3.5		mg/Kg	1	08/05/20	TH	SW6010D	
Selenium	< 1.4	1.4		mg/Kg	1	08/05/20	TH	SW6010D	
TCLP Silver	< 0.10	0.10		mg/L	1	08/07/20	TH	SW846 1311/6010	
TCLP Arsenic	< 0.10	0.10		mg/L	1	08/07/20	TH	SW846 1311/6010	1
TCLP Barium	0.19	0.10		mg/L	1	08/07/20	TH	SW846 1311/6010	
TCLP Cadmium	< 0.050	0.050		mg/L	1	08/07/20	TH	SW846 1311/6010	
TCLP Chromium	< 0.10	0.10		mg/L	1	08/07/20	TH	SW846 1311/6010	
TCLP Copper	< 0.10	0.10		mg/L	1	08/07/20	TH	SW846 1311/6010	
TCLP Mercury	< 0.0002	0.0002		mg/L	1	08/06/20	MH/RS	SW846 1311/7470	1

Ver 1

Project ID: 64 CENTRE AVE, NEW ROCHELLE NY
Client ID: 64B COMP (10-12`)

Phoenix I.D.: CG47153

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By		
TCLP Nickel	< 0.10	0.10		mg/L	1	08/07/20	TH	SW846 1311/6010	
TCLP Lead	< 0.10	0.10		mg/L	1	08/07/20	TH	SW846 1311/6010	
TCLP Selenium	< 0.10	0.10		mg/L	1	08/07/20	TH	SW846 1311/6010D	
TCLP Zinc	0.24	0.10		mg/L	1	08/07/20	TH	SW846 1311/6010D	
Thallium	< 1.4	1.4		mg/Kg	1	08/05/20	TH	SW6010D	
TCLP Metals Digestion	Completed					08/05/20	VT/VT	SW3010A	
Vanadium	47.2	0.35		mg/Kg	1	08/05/20	TH	SW6010D	
Zinc	78.5	0.7		mg/Kg	1	08/05/20	TH	SW6010D	
Percent Solid	90			%		08/04/20	HB	SW846-%Solid	
Corrosivity	Negative			Pos/Neg	1	08/04/20	MB	SW846-Corr	1
Flash Point	>200	200		Degree F	1	08/07/20	ARG	1010/CH7/ASTMD92	
Chromium, Hex. (SW3060 digestion)	< 0.42	0.42		mg/Kg	1	08/05/20	ARG/BJA	SW7196A	
Ignitability	Passed	140		degree F	1	08/07/20	ARG	SW846-Ignit	1
pH at 25C - Soil	8.17	1.00		pH Units	1	08/04/20 22:28	MB	SW846 9045	1
Reactivity Cyanide	< 5	5		mg/Kg	1	08/06/20	D/E/G	SW846 7.3.3.1/90	1
Reactivity Sulfide	< 20	20		mg/Kg	1	08/06/20	DJ/ARG	SW846 CH7	1
Reactivity	Negative			Pos/Neg	1	08/06/20	ARG	SW846-React	1
Redox Potential	172			mV	1	08/04/20	MB	SM2580B-09	1
Total Cyanide (SW9010C Distill.)	< 0.56	0.56		mg/Kg	1	08/07/20	EG	SW9012B	
Soil Extraction for PCB	Completed					08/04/20	L/A	SW3545A	
Soil Extraction for Pesticides	Completed					08/04/20	L	SW3545A	
Mercury Digestion	Completed					08/05/20	VT/VT	SW7471B	
Soil Extraction for SVOA	Completed					08/04/20	R/AA	SW3546	
NJ EPH Extraction	Completed					08/04/20	K/E	NJDEP 10-08 R3	
Soil Extraction for Herbicide	Completed					08/04/20	J/D/AK	SW3550C	
TCLP Digestion Mercury	Completed					08/05/20	VT/VT	SW7470A	
TCLP Extraction for Metals	Completed					08/04/20	VT	SW1311	
Total Metals Digest	Completed					08/04/20	F/AG/BF	SW3050B	
NJ EPH Category 2									
Total EPH (C9-C40)	ND	54	54	mg/kg	1	08/05/20	JRB	NJEPH 10-08 R3	1
QA/QC Surrogates									
% COD (surr)	59			%	1	08/05/20	JRB	40 - 140 %	
% Terphenyl (surr)	66			%	1	08/05/20	JRB	40 - 140 %	
Chlorinated Herbicides									
2,4,5-T	ND	92		ug/Kg	10	08/06/20	JRB	SW8151A	
2,4,5-TP (Silvex)	ND	92		ug/Kg	10	08/06/20	JRB	SW8151A	
2,4-D	ND	180		ug/Kg	10	08/06/20	JRB	SW8151A	
2,4-DB	ND	1800		ug/Kg	10	08/06/20	JRB	SW8151A	
Dalapon	ND	92		ug/Kg	10	08/06/20	JRB	SW8151A	
Dicamba	ND	92		ug/Kg	10	08/06/20	JRB	SW8151A	
Dichloroprop	ND	180		ug/Kg	10	08/06/20	JRB	SW8151A	
Dinoseb	ND	180		ug/Kg	10	08/06/20	JRB	SW8151A	
QA/QC Surrogates									
% DCAA	57			%	10	08/06/20	JRB	30 - 150 %	
% DCAA (Confirmation)	62			%	10	08/06/20	JRB	30 - 150 %	
Polychlorinated Biphenyls									
PCB-1016	ND	72	72	ug/Kg	2	08/06/20	SC	SW8082A	

Ver 1

Project ID: 64 CENTRE AVE, NEW ROCHELLE NY
Client ID: 64B COMP (10-12`)

Phoenix I.D.: CG47153

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	
PCB-1221	ND	72	72	ug/Kg	2	08/06/20	SC	SW8082A
PCB-1232	ND	72	72	ug/Kg	2	08/06/20	SC	SW8082A
PCB-1242	ND	72	72	ug/Kg	2	08/06/20	SC	SW8082A
PCB-1248	ND	72	72	ug/Kg	2	08/06/20	SC	SW8082A
PCB-1254	ND	72	72	ug/Kg	2	08/06/20	SC	SW8082A
PCB-1260	ND	72	72	ug/Kg	2	08/06/20	SC	SW8082A
PCB-1262	ND	72	72	ug/Kg	2	08/06/20	SC	SW8082A
PCB-1268	ND	72	72	ug/Kg	2	08/06/20	SC	SW8082A
QA/QC Surrogates								
% DCBP	79			%	2	08/06/20	SC	30 - 150 %
% DCBP (Confirmation)	75			%	2	08/06/20	SC	30 - 150 %
% TCMX	68			%	2	08/06/20	SC	30 - 150 %
% TCMX (Confirmation)	62			%	2	08/06/20	SC	30 - 150 %
Pesticides - Soil								
4,4' -DDD	ND	2.2		ug/Kg	2	08/05/20	CG	SW8081B
4,4' -DDE	ND	2.2		ug/Kg	2	08/05/20	CG	SW8081B
4,4' -DDT	ND	2.2		ug/Kg	2	08/05/20	CG	SW8081B
a-BHC	ND	7.2		ug/Kg	2	08/05/20	CG	SW8081B
a-Chlordane	ND	3.6		ug/Kg	2	08/05/20	CG	SW8081B
Aldrin	ND	3.6		ug/Kg	2	08/05/20	CG	SW8081B
b-BHC	ND	7.2		ug/Kg	2	08/05/20	CG	SW8081B
Chlordane	ND	36		ug/Kg	2	08/05/20	CG	SW8081B
d-BHC	ND	7.2		ug/Kg	2	08/05/20	CG	SW8081B
Dieldrin	ND	3.6		ug/Kg	2	08/05/20	CG	SW8081B
Endosulfan I	ND	7.2		ug/Kg	2	08/05/20	CG	SW8081B
Endosulfan II	ND	7.2		ug/Kg	2	08/05/20	CG	SW8081B
Endosulfan sulfate	ND	7.2		ug/Kg	2	08/05/20	CG	SW8081B
Endrin	ND	7.2		ug/Kg	2	08/05/20	CG	SW8081B
Endrin aldehyde	ND	7.2		ug/Kg	2	08/05/20	CG	SW8081B
Endrin ketone	ND	7.2		ug/Kg	2	08/05/20	CG	SW8081B
g-BHC	ND	1.4		ug/Kg	2	08/05/20	CG	SW8081B
g-Chlordane	ND	3.6		ug/Kg	2	08/05/20	CG	SW8081B
Heptachlor	ND	7.2		ug/Kg	2	08/05/20	CG	SW8081B
Heptachlor epoxide	ND	7.2		ug/Kg	2	08/05/20	CG	SW8081B
Methoxychlor	ND	36		ug/Kg	2	08/05/20	CG	SW8081B
Toxaphene	ND	140		ug/Kg	2	08/05/20	CG	SW8081B
QA/QC Surrogates								
% DCBP	54			%	2	08/05/20	CG	30 - 150 %
% DCBP (Confirmation)	63			%	2	08/05/20	CG	30 - 150 %
% TCMX	71			%	2	08/05/20	CG	30 - 150 %
% TCMX (Confirmation)	64			%	2	08/05/20	CG	30 - 150 %
Semivolatiles								
1,2,4,5-Tetrachlorobenzene	ND	260	130	ug/Kg	1	08/05/20	WB	SW8270D
1,2,4-Trichlorobenzene	ND	260	110	ug/Kg	1	08/05/20	WB	SW8270D
1,2-Dichlorobenzene	ND	260	100	ug/Kg	1	08/05/20	WB	SW8270D
1,2-Diphenylhydrazine	ND	260	120	ug/Kg	1	08/05/20	WB	SW8270D
1,3-Dichlorobenzene	ND	260	110	ug/Kg	1	08/05/20	WB	SW8270D
1,4-Dichlorobenzene	ND	260	110	ug/Kg	1	08/05/20	WB	SW8270D

Project ID: 64 CENTRE AVE, NEW ROCHELLE NY
Client ID: 64B COMP (10-12`)

Phoenix I.D.: CG47153

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By		
2,4,5-Trichlorophenol	ND	260	200	ug/Kg	1	08/05/20	WB	SW8270D	
2,4,6-Trichlorophenol	ND	180	120	ug/Kg	1	08/05/20	WB	SW8270D	
2,4-Dichlorophenol	ND	180	130	ug/Kg	1	08/05/20	WB	SW8270D	
2,4-Dimethylphenol	ND	260	91	ug/Kg	1	08/05/20	WB	SW8270D	
2,4-Dinitrophenol	ND	260	260	ug/Kg	1	08/05/20	WB	SW8270D	
2,4-Dinitrotoluene	ND	180	140	ug/Kg	1	08/05/20	WB	SW8270D	
2,6-Dinitrotoluene	ND	180	120	ug/Kg	1	08/05/20	WB	SW8270D	
2-Chloronaphthalene	ND	260	100	ug/Kg	1	08/05/20	WB	SW8270D	
2-Chlorophenol	ND	260	100	ug/Kg	1	08/05/20	WB	SW8270D	
2-Methylnaphthalene	ND	260	110	ug/Kg	1	08/05/20	WB	SW8270D	
2-Methylphenol (o-cresol)	ND	260	170	ug/Kg	1	08/05/20	WB	SW8270D	
2-Nitroaniline	ND	100	100	ug/Kg	1	08/05/20	WB	SW8270D	
2-Nitrophenol	ND	260	230	ug/Kg	1	08/05/20	WB	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND	260	140	ug/Kg	1	08/05/20	WB	SW8270D	1
3,3'-Dichlorobenzidine	ND	180	170	ug/Kg	1	08/05/20	WB	SW8270D	
3-Nitroaniline	ND	91	91	ug/Kg	1	08/05/20	WB	SW8270D	
4,6-Dinitro-2-methylphenol	ND	220	73	ug/Kg	1	08/05/20	WB	SW8270D	
4-Bromophenyl phenyl ether	ND	260	110	ug/Kg	1	08/05/20	WB	SW8270D	
4-Chloro-3-methylphenol	ND	260	130	ug/Kg	1	08/05/20	WB	SW8270D	
4-Chloroaniline	ND	290	170	ug/Kg	1	08/05/20	WB	SW8270D	
4-Chlorophenyl phenyl ether	ND	260	120	ug/Kg	1	08/05/20	WB	SW8270D	
4-Nitroaniline	ND	86	86	ug/Kg	1	08/05/20	WB	SW8270D	
4-Nitrophenol	ND	370	160	ug/Kg	1	08/05/20	WB	SW8270D	
Acenaphthene	ND	260	110	ug/Kg	1	08/05/20	WB	SW8270D	
Acenaphthylene	ND	260	100	ug/Kg	1	08/05/20	WB	SW8270D	
Acetophenone	ND	260	110	ug/Kg	1	08/05/20	WB	SW8270D	
Aniline	ND	290	290	ug/Kg	1	08/05/20	WB	SW8270D	
Anthracene	ND	260	120	ug/Kg	1	08/05/20	WB	SW8270D	
Benz(a)anthracene	ND	260	120	ug/Kg	1	08/05/20	WB	SW8270D	
Benzidine	ND	340	210	ug/Kg	1	08/05/20	WB	SW8270D	
Benzo(a)pyrene	ND	180	120	ug/Kg	1	08/05/20	WB	SW8270D	
Benzo(b)fluoranthene	ND	260	120	ug/Kg	1	08/05/20	WB	SW8270D	
Benzo(ghi)perylene	ND	260	120	ug/Kg	1	08/05/20	WB	SW8270D	
Benzo(k)fluoranthene	ND	260	120	ug/Kg	1	08/05/20	WB	SW8270D	
Benzoic acid	ND	1800	730	ug/Kg	1	08/05/20	WB	SW8270D	
Benzyl butyl phthalate	ND	260	94	ug/Kg	1	08/05/20	WB	SW8270D	
Bis(2-chloroethoxy)methane	ND	260	100	ug/Kg	1	08/05/20	WB	SW8270D	
Bis(2-chloroethyl)ether	ND	73	73	ug/Kg	1	08/05/20	WB	SW8270D	
Bis(2-chloroisopropyl)ether	ND	260	100	ug/Kg	1	08/05/20	WB	SW8270D	
Bis(2-ethylhexyl)phthalate	ND	260	110	ug/Kg	1	08/05/20	WB	SW8270D	
Carbazole	ND	180	150	ug/Kg	1	08/05/20	WB	SW8270D	
Chrysene	ND	260	120	ug/Kg	1	08/05/20	WB	SW8270D	
Dibenz(a,h)anthracene	ND	180	120	ug/Kg	1	08/05/20	WB	SW8270D	
Dibenzofuran	ND	260	110	ug/Kg	1	08/05/20	WB	SW8270D	
Diethyl phthalate	ND	260	120	ug/Kg	1	08/05/20	WB	SW8270D	
Dimethylphthalate	ND	260	110	ug/Kg	1	08/05/20	WB	SW8270D	
Di-n-butylphthalate	ND	260	97	ug/Kg	1	08/05/20	WB	SW8270D	
Di-n-octylphthalate	ND	260	94	ug/Kg	1	08/05/20	WB	SW8270D	
Fluoranthene	ND	260	120	ug/Kg	1	08/05/20	WB	SW8270D	

Project ID: 64 CENTRE AVE, NEW ROCHELLE NY
Client ID: 64B COMP (10-12`)

Phoenix I.D.: CG47153

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	
Fluorene	ND	260	120	ug/Kg	1	08/05/20	WB	SW8270D
Hexachlorobenzene	ND	180	110	ug/Kg	1	08/05/20	WB	SW8270D
Hexachlorobutadiene	ND	260	130	ug/Kg	1	08/05/20	WB	SW8270D
Hexachlorocyclopentadiene	ND	260	110	ug/Kg	1	08/05/20	WB	SW8270D
Hexachloroethane	ND	180	110	ug/Kg	1	08/05/20	WB	SW8270D
Indeno(1,2,3-cd)pyrene	ND	260	120	ug/Kg	1	08/05/20	WB	SW8270D
Isophorone	ND	180	100	ug/Kg	1	08/05/20	WB	SW8270D
Naphthalene	ND	260	110	ug/Kg	1	08/05/20	WB	SW8270D
Nitrobenzene	ND	180	130	ug/Kg	1	08/05/20	WB	SW8270D
N-Nitrosodimethylamine	ND	73	73	ug/Kg	1	08/05/20	WB	SW8270D
N-Nitrosodi-n-propylamine	ND	73	73	ug/Kg	1	08/05/20	WB	SW8270D
N-Nitrosodiphenylamine	ND	260	140	ug/Kg	1	08/05/20	WB	SW8270D
Pentachloronitrobenzene	ND	260	140	ug/Kg	1	08/05/20	WB	SW8270D
Pentachlorophenol	ND	220	140	ug/Kg	1	08/05/20	WB	SW8270D
Phenanthrene	ND	260	100	ug/Kg	1	08/05/20	WB	SW8270D
Phenol	ND	260	120	ug/Kg	1	08/05/20	WB	SW8270D
Pyrene	ND	260	130	ug/Kg	1	08/05/20	WB	SW8270D
Pyridine	ND	220	90	ug/Kg	1	08/05/20	WB	SW8270D
QA/QC Surrogates								
% 2,4,6-Tribromophenol	92			%	1	08/05/20	WB	30 - 130 %
% 2-Fluorobiphenyl	82			%	1	08/05/20	WB	30 - 130 %
% 2-Fluorophenol	78			%	1	08/05/20	WB	30 - 130 %
% Nitrobenzene-d5	75			%	1	08/05/20	WB	30 - 130 %
% Phenol-d5	78			%	1	08/05/20	WB	30 - 130 %
% Terphenyl-d14	84			%	1	08/05/20	WB	30 - 130 %
Additional Semi-Volatile Compounds								
1,1-Biphenyl	ND	260	110	ug/Kg	1	08/05/20	WB	SW8270D
1,2,4,5-Tetrachlorobenzene	ND	260	130	ug/Kg	1	08/05/20	WB	SW8270D
Atrazine	ND	130	73	ug/Kg	1	08/05/20	WB	SW8270D
Benzaldehyde	ND	260	110	ug/Kg	1	08/05/20	WB	SW8270D
Benzo(a)pyrene	ND	260	120	ug/Kg	1	08/05/20	WB	SW8270D
Caprolactam	ND	150	150	ug/Kg	1	08/05/20	WB	SW8270D
QA/QC Surrogates								
% 2,4,6-Tribromophenol	92			%	1	08/05/20	WB	30 - 130 %
% 2-Fluorobiphenyl	82			%	1	08/05/20	WB	30 - 130 %
% 2-Fluorophenol	78			%	1	08/05/20	WB	30 - 130 %
% Nitrobenzene-d5	75			%	1	08/05/20	WB	30 - 130 %
% Phenol-d5	78			%	1	08/05/20	WB	30 - 130 %
% Terphenyl-d14	84			%	1	08/05/20	WB	30 - 130 %
Pyridine	ND	220		ug/Kg	1	08/05/20	WB	SW8270D
SVOA Library Search Top 15	Completed					08/05/20	WB	

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

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Semi-Volatile Comment:
Due to low QC recoveries the RL/PQL of some compounds have been evaluated below the lowest calibration standard in order account for possible sample bias and meet criteria: 2,4-dintrophenol, 4,6-Dinitro-2-methylphenol, and Benzidine.

Corrosivity is based solely on the pH analysis performed above.

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

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

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

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

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

Semi-Volatile Comment:
To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

Hexavalent Chromium:
This sample is in a reducing state.

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

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director
August 11, 2020
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

August 11, 2020

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:	DM	08/03/20	14:15
Location Code:	EBC	Received by:	CP	08/04/20	15:52
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCG47143
Phoenix ID: CG47154

Project ID: 64 CENTRE AVE, NEW ROCHELLE NY
Client ID: 64B GRAB (10-12`)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Percent Solid	93			%		08/04/20	HB	SW846-%Solid	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	5.8	1.2	ug/Kg	1	08/06/20	JLI	SW8260C	
1,1,1-Trichloroethane	ND	5.8	0.58	ug/Kg	1	08/06/20	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	5.8	1.2	ug/Kg	1	08/06/20	JLI	SW8260C	
1,1,2-Trichloroethane	ND	5.8	1.2	ug/Kg	1	08/06/20	JLI	SW8260C	
1,1-Dichloroethane	ND	5.8	1.2	ug/Kg	1	08/06/20	JLI	SW8260C	
1,1-Dichloroethene	ND	5.8	0.58	ug/Kg	1	08/06/20	JLI	SW8260C	
1,1-Dichloropropene	ND	5.8	0.58	ug/Kg	1	08/06/20	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	5.8	1.2	ug/Kg	1	08/06/20	JLI	SW8260C	
1,2,3-Trichloropropane	ND	5.8	0.58	ug/Kg	1	08/06/20	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	5.8	1.2	ug/Kg	1	08/06/20	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	5.8	0.58	ug/Kg	1	08/06/20	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	5.8	1.2	ug/Kg	1	08/06/20	JLI	SW8260C	
1,2-Dibromoethane	ND	1.2	0.58	ug/Kg	1	08/06/20	JLI	SW8260C	
1,2-Dichlorobenzene	ND	5.8	0.58	ug/Kg	1	08/06/20	JLI	SW8260C	
1,2-Dichloroethane	ND	5.8	0.58	ug/Kg	1	08/06/20	JLI	SW8260C	
1,2-Dichloropropane	ND	5.8	1.2	ug/Kg	1	08/06/20	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	5.8	0.58	ug/Kg	1	08/06/20	JLI	SW8260C	
1,3-Dichlorobenzene	ND	5.8	0.58	ug/Kg	1	08/06/20	JLI	SW8260C	
1,3-Dichloropropane	ND	5.8	1.2	ug/Kg	1	08/06/20	JLI	SW8260C	
1,4-Dichlorobenzene	ND	5.8	0.58	ug/Kg	1	08/06/20	JLI	SW8260C	
2,2-Dichloropropane	ND	5.8	0.58	ug/Kg	1	08/06/20	JLI	SW8260C	
2-Chlorotoluene	ND	5.8	1.2	ug/Kg	1	08/06/20	JLI	SW8260C	
2-Hexanone	ND	29	5.8	ug/Kg	1	08/06/20	JLI	SW8260C	
2-Isopropyltoluene	ND	5.8	0.58	ug/Kg	1	08/06/20	JLI	SW8260C	1
4-Chlorotoluene	ND	5.8	0.58	ug/Kg	1	08/06/20	JLI	SW8260C	

Project ID: 64 CENTRE AVE, NEW ROCHELLE NY
Client ID: 64B GRAB (10-12`)

Phoenix I.D.: CG47154

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	
4-Methyl-2-pentanone	ND	29	5.8	ug/Kg	1	08/06/20	JLI	SW8260C
Acetone	ND	29	5.8	ug/Kg	1	08/06/20	JLI	SW8260C
Acrylonitrile	ND	12	1.2	ug/Kg	1	08/06/20	JLI	SW8260C
Benzene	ND	5.8	0.58	ug/Kg	1	08/06/20	JLI	SW8260C
Bromobenzene	ND	5.8	0.58	ug/Kg	1	08/06/20	JLI	SW8260C
Bromochloromethane	ND	5.8	0.58	ug/Kg	1	08/06/20	JLI	SW8260C
Bromodichloromethane	ND	5.8	1.2	ug/Kg	1	08/06/20	JLI	SW8260C
Bromoform	ND	5.8	1.2	ug/Kg	1	08/06/20	JLI	SW8260C
Bromomethane	ND	5.8	2.3	ug/Kg	1	08/06/20	JLI	SW8260C
Carbon Disulfide	ND	5.8	1.2	ug/Kg	1	08/06/20	JLI	SW8260C
Carbon tetrachloride	ND	5.8	1.2	ug/Kg	1	08/06/20	JLI	SW8260C
Chlorobenzene	ND	5.8	0.58	ug/Kg	1	08/06/20	JLI	SW8260C
Chloroethane	ND	5.8	0.58	ug/Kg	1	08/06/20	JLI	SW8260C
Chloroform	ND	5.8	0.58	ug/Kg	1	08/06/20	JLI	SW8260C
Chloromethane	ND	5.8	1.2	ug/Kg	1	08/06/20	JLI	SW8260C
cis-1,2-Dichloroethene	ND	5.8	0.58	ug/Kg	1	08/06/20	JLI	SW8260C
cis-1,3-Dichloropropene	ND	5.8	0.58	ug/Kg	1	08/06/20	JLI	SW8260C
Dibromochloromethane	ND	5.8	1.2	ug/Kg	1	08/06/20	JLI	SW8260C
Dibromomethane	ND	5.8	1.2	ug/Kg	1	08/06/20	JLI	SW8260C
Dichlorodifluoromethane	ND	5.8	0.58	ug/Kg	1	08/06/20	JLI	SW8260C
Ethylbenzene	ND	5.8	0.58	ug/Kg	1	08/06/20	JLI	SW8260C
Hexachlorobutadiene	ND	5.8	0.58	ug/Kg	1	08/06/20	JLI	SW8260C
Isopropylbenzene	ND	5.8	0.58	ug/Kg	1	08/06/20	JLI	SW8260C
m&p-Xylene	ND	5.8	1.2	ug/Kg	1	08/06/20	JLI	SW8260C
Methyl Ethyl Ketone	ND	35	5.8	ug/Kg	1	08/06/20	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	12	1.2	ug/Kg	1	08/06/20	JLI	SW8260C
Methylene chloride	ND	5.8	5.8	ug/Kg	1	08/06/20	JLI	SW8260C
Naphthalene	ND	5.8	1.2	ug/Kg	1	08/06/20	JLI	SW8260C
n-Butylbenzene	ND	5.8	0.58	ug/Kg	1	08/06/20	JLI	SW8260C
n-Propylbenzene	ND	5.8	1.2	ug/Kg	1	08/06/20	JLI	SW8260C
o-Xylene	ND	5.8	1.2	ug/Kg	1	08/06/20	JLI	SW8260C
p-Isopropyltoluene	ND	5.8	0.58	ug/Kg	1	08/06/20	JLI	SW8260C
sec-Butylbenzene	ND	5.8	0.58	ug/Kg	1	08/06/20	JLI	SW8260C
Styrene	ND	5.8	0.58	ug/Kg	1	08/06/20	JLI	SW8260C
tert-Butylbenzene	ND	5.8	0.58	ug/Kg	1	08/06/20	JLI	SW8260C
Tetrachloroethene	ND	5.8	1.2	ug/Kg	1	08/06/20	JLI	SW8260C
Tetrahydrofuran (THF)	ND	12	2.9	ug/Kg	1	08/06/20	JLI	SW8260C
Toluene	ND	5.8	0.58	ug/Kg	1	08/06/20	JLI	SW8260C
trans-1,2-Dichloroethene	ND	5.8	0.58	ug/Kg	1	08/06/20	JLI	SW8260C
trans-1,3-Dichloropropene	ND	5.8	0.58	ug/Kg	1	08/06/20	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	12	2.9	ug/Kg	1	08/06/20	JLI	SW8260C
Trichloroethene	ND	5.8	0.58	ug/Kg	1	08/06/20	JLI	SW8260C
Trichlorofluoromethane	ND	5.8	1.2	ug/Kg	1	08/06/20	JLI	SW8260C
Trichlorotrifluoroethane	ND	5.8	0.58	ug/Kg	1	08/06/20	JLI	SW8260C
Vinyl chloride	ND	5.8	0.58	ug/Kg	1	08/06/20	JLI	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	100			%	1	08/06/20	JLI	70 - 130 %
% Bromofluorobenzene	98			%	1	08/06/20	JLI	70 - 130 %
% Dibromofluoromethane	92			%	1	08/06/20	JLI	70 - 130 %

Ver 1

Project ID: 64 CENTRE AVE, NEW ROCHELLE NY
Client ID: 64B GRAB (10-12`)

Phoenix I.D.: CG47154

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By		
% Toluene-d8	100			%	1	08/06/20	JLI	70 - 130 %	
1,4-dioxane									
1,4-dioxane	ND	87		ug/kg	1	08/06/20	JLI	SW8260C	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	100			%	1	08/06/20	JLI	70 - 130 %	
% Bromofluorobenzene	98			%	1	08/06/20	JLI	70 - 130 %	
% Dibromofluoromethane	92			%	1	08/06/20	JLI	70 - 130 %	
% Toluene-d8	100			%	1	08/06/20	JLI	70 - 130 %	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	23		ug/Kg	1	08/06/20	JLI	SW8260C	
Acrolein	ND	1.4		ug/Kg	1	08/06/20	JLI	SW8260C	
Acrylonitrile	ND	23		ug/Kg	1	08/06/20	JLI	SW8260C	
Tert-butyl alcohol	ND	120		ug/Kg	1	08/06/20	JLI	SW8260C	
Field Extraction	Completed					08/03/20		SW5035A	1

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Volatile Comment:
To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

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

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director

August 11, 2020

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

August 11, 2020

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:	DM	08/03/20	17:48
Location Code:	EBC	Received by:	CP	08/04/20	15:52
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCG47143
Phoenix ID: CG47155

Project ID: 64 CENTRE AVE, NEW ROCHELLE NY
Client ID: 64B COMP (12-14`)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Silver	< 0.37	0.37		mg/Kg	1	08/05/20	TH	SW6010D	
Aluminum	13500	37		mg/Kg	10	08/05/20	TH	SW6010D	
Arsenic	< 0.73	0.73		mg/Kg	1	08/05/20	TH	SW6010D	
Barium	125	0.7		mg/Kg	1	08/05/20	TH	SW6010D	
Beryllium	< 0.29	0.29		mg/Kg	1	08/05/20	TH	SW6010D	
Calcium	1000	3.7		mg/Kg	1	08/05/20	TH	SW6010D	
Cadmium	0.92	0.37		mg/Kg	1	08/05/20	TH	SW6010D	
Cobalt	13.9	0.37		mg/Kg	1	08/05/20	TH	SW6010D	
Chromium	30.4	0.37		mg/Kg	1	08/05/20	TH	SW6010D	
Copper	21.7	0.7		mg/kg	1	08/05/20	TH	SW6010D	
Iron	28800	37		mg/Kg	10	08/05/20	EK	SW6010D	B
Mercury	< 0.03	0.03		mg/Kg	2	08/05/20	RS	SW7471B	
Potassium	9080	73		mg/Kg	10	08/05/20	EK	SW6010D	B
Magnesium	6090	37		mg/Kg	10	08/05/20	TH	SW6010D	
Manganese	395	3.7		mg/Kg	10	08/05/20	EK	SW6010D	
Molybdenum	< 0.37	0.37		mg/Kg	1	08/05/20	TH	SW6010D	
Sodium	220	7		mg/Kg	1	08/05/20	EK	SW6010D	B
Nickel	20.9	0.37		mg/Kg	1	08/05/20	TH	SW6010D	
Lead	3.4	0.7		mg/Kg	1	08/05/20	TH	SW6010D	
Antimony	< 3.7	3.7		mg/Kg	1	08/05/20	TH	SW6010D	
Selenium	< 1.5	1.5		mg/Kg	1	08/05/20	TH	SW6010D	
TCLP Silver	< 0.10	0.10		mg/L	1	08/06/20	TH	SW846 1311/6010	
TCLP Arsenic	< 0.10	0.10		mg/L	1	08/06/20	TH	SW846 1311/6010	1
TCLP Barium	0.21	0.10		mg/L	1	08/06/20	TH	SW846 1311/6010	
TCLP Cadmium	< 0.050	0.050		mg/L	1	08/06/20	TH	SW846 1311/6010	
TCLP Chromium	< 0.10	0.10		mg/L	1	08/06/20	TH	SW846 1311/6010	
TCLP Copper	< 0.10	0.10		mg/L	1	08/06/20	TH	SW846 1311/6010	
TCLP Mercury	< 0.0002	0.0002		mg/L	1	08/06/20	MH/RS	SW846 1311/7470	1

Ver 1

Project ID: 64 CENTRE AVE, NEW ROCHELLE NY
Client ID: 64B COMP (12-14`)

Phoenix I.D.: CG47155

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By		
TCLP Nickel	< 0.10	0.10		mg/L	1	08/06/20	TH	SW846 1311/6010	
TCLP Lead	< 0.10	0.10		mg/L	1	08/06/20	TH	SW846 1311/6010	
TCLP Selenium	< 0.10	0.10		mg/L	1	08/06/20	TH	SW846 1311/6010D	
TCLP Zinc	0.19	0.10		mg/L	1	08/06/20	TH	SW846 1311/6010D	
Thallium	< 1.5	1.5		mg/Kg	1	08/05/20	TH	SW6010D	
TCLP Metals Digestion	Completed					08/05/20	VT/VT	SW3010A	
Vanadium	37.3	0.37		mg/Kg	1	08/05/20	TH	SW6010D	
Zinc	57.5	0.7		mg/Kg	1	08/05/20	TH	SW6010D	
Percent Solid	92			%		08/04/20	HB	SW846-%Solid	
Corrosivity	Negative			Pos/Neg	1	08/04/20	MB	SW846-Corr	1
Flash Point	>200	200		Degree F	1	08/07/20	ARG	1010/CH7/ASTMD92	
Chromium, Hex. (SW3060 digestion)	< 0.43	0.43		mg/Kg	1	08/05/20	ARG/BJA	SW7196A	
Ignitability	Passed	140		degree F	1	08/07/20	ARG	SW846-Ignit	1
pH at 25C - Soil	7.98	1.00		pH Units	1	08/04/20 22:28	MB	SW846 9045	1
Reactivity Cyanide	< 5	5		mg/Kg	1	08/06/20	D/E/G	SW846 7.3.3.1/90	1
Reactivity Sulfide	< 20	20		mg/Kg	1	08/06/20	DJ/ARG	SW846 CH7	1
Reactivity	Negative			Pos/Neg	1	08/06/20	ARG	SW846-React	1
Redox Potential	195			mV	1	08/04/20	MB	SM2580B-09	1
Total Cyanide (SW9010C Distill.)	< 0.49	0.49		mg/Kg	1	08/07/20	EG	SW9012B	
Soil Extraction for PCB	Completed					08/04/20	L	SW3545A	
Soil Extraction for Pesticides	Completed					08/04/20	L/AA	SW3545A	
Mercury Digestion	Completed					08/05/20	VT/VT	SW7471B	
Soil Extraction for SVOA	Completed					08/04/20	R/AA	SW3546	
NJ EPH Extraction	Completed					08/05/20	L/E	NJDEP 10-08 R3	
Soil Extraction for Herbicide	Completed					08/05/20	J/AK/D	SW3550C	
TCLP Digestion Mercury	Completed					08/05/20	VT/VT	SW7470A	
TCLP Extraction for Metals	Completed					08/04/20	VT	SW1311	
Total Metals Digest	Completed					08/04/20	F/AG/BF	SW3050B	
NJ EPH Category 2									
Total EPH (C9-C40)	ND	53	53	mg/kg	1	08/06/20	JRB	NJEPH 10-08 R3	1
QA/QC Surrogates									
% COD (surr)	53			%	1	08/06/20	JRB	40 - 140 %	
% Terphenyl (surr)	60			%	1	08/06/20	JRB	40 - 140 %	
Chlorinated Herbicides									
2,4,5-T	ND	90		ug/Kg	10	08/06/20	JRB	SW8151A	
2,4,5-TP (Silvex)	ND	90		ug/Kg	10	08/06/20	JRB	SW8151A	
2,4-D	ND	180		ug/Kg	10	08/06/20	JRB	SW8151A	
2,4-DB	ND	1800		ug/Kg	10	08/06/20	JRB	SW8151A	
Dalapon	ND	90		ug/Kg	10	08/06/20	JRB	SW8151A	
Dicamba	ND	90		ug/Kg	10	08/06/20	JRB	SW8151A	
Dichloroprop	ND	180		ug/Kg	10	08/06/20	JRB	SW8151A	
Dinoseb	ND	180		ug/Kg	10	08/06/20	JRB	SW8151A	
QA/QC Surrogates									
% DCAA	49			%	10	08/06/20	JRB	30 - 150 %	
% DCAA (Confirmation)	49			%	10	08/06/20	JRB	30 - 150 %	
Polychlorinated Biphenyls									
PCB-1016	ND	71	71	ug/Kg	2	08/05/20	SC	SW8082A	

Ver 1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	
PCB-1221	ND	71	71	ug/Kg	2	08/05/20	SC	SW8082A
PCB-1232	ND	71	71	ug/Kg	2	08/05/20	SC	SW8082A
PCB-1242	ND	71	71	ug/Kg	2	08/05/20	SC	SW8082A
PCB-1248	ND	71	71	ug/Kg	2	08/05/20	SC	SW8082A
PCB-1254	ND	71	71	ug/Kg	2	08/05/20	SC	SW8082A
PCB-1260	ND	71	71	ug/Kg	2	08/05/20	SC	SW8082A
PCB-1262	ND	71	71	ug/Kg	2	08/05/20	SC	SW8082A
PCB-1268	ND	71	71	ug/Kg	2	08/05/20	SC	SW8082A
QA/QC Surrogates								
% DCBP	64			%	2	08/05/20	SC	30 - 150 %
% DCBP (Confirmation)	67			%	2	08/05/20	SC	30 - 150 %
% TCMX	57			%	2	08/05/20	SC	30 - 150 %
% TCMX (Confirmation)	61			%	2	08/05/20	SC	30 - 150 %
Pesticides - Soil								
4,4' -DDD	ND	2.1		ug/Kg	2	08/05/20	CG	SW8081B
4,4' -DDE	ND	2.1		ug/Kg	2	08/05/20	CG	SW8081B
4,4' -DDT	ND	2.1		ug/Kg	2	08/05/20	CG	SW8081B
a-BHC	ND	7.1		ug/Kg	2	08/05/20	CG	SW8081B
a-Chlordane	ND	3.6		ug/Kg	2	08/05/20	CG	SW8081B
Aldrin	ND	3.6		ug/Kg	2	08/05/20	CG	SW8081B
b-BHC	ND	7.1		ug/Kg	2	08/05/20	CG	SW8081B
Chlordane	ND	36		ug/Kg	2	08/05/20	CG	SW8081B
d-BHC	ND	7.1		ug/Kg	2	08/05/20	CG	SW8081B
Dieldrin	ND	3.6		ug/Kg	2	08/05/20	CG	SW8081B
Endosulfan I	ND	7.1		ug/Kg	2	08/05/20	CG	SW8081B
Endosulfan II	ND	7.1		ug/Kg	2	08/05/20	CG	SW8081B
Endosulfan sulfate	ND	7.1		ug/Kg	2	08/05/20	CG	SW8081B
Endrin	ND	7.1		ug/Kg	2	08/05/20	CG	SW8081B
Endrin aldehyde	ND	7.1		ug/Kg	2	08/05/20	CG	SW8081B
Endrin ketone	ND	7.1		ug/Kg	2	08/05/20	CG	SW8081B
g-BHC	ND	1.4		ug/Kg	2	08/05/20	CG	SW8081B
g-Chlordane	ND	3.6		ug/Kg	2	08/05/20	CG	SW8081B
Heptachlor	ND	7.1		ug/Kg	2	08/05/20	CG	SW8081B
Heptachlor epoxide	ND	7.1		ug/Kg	2	08/05/20	CG	SW8081B
Methoxychlor	ND	36		ug/Kg	2	08/05/20	CG	SW8081B
Toxaphene	ND	140		ug/Kg	2	08/05/20	CG	SW8081B
QA/QC Surrogates								
% DCBP	67			%	2	08/05/20	CG	30 - 150 %
% DCBP (Confirmation)	66			%	2	08/05/20	CG	30 - 150 %
% TCMX	54			%	2	08/05/20	CG	30 - 150 %
% TCMX (Confirmation)	55			%	2	08/05/20	CG	30 - 150 %
Semivolatiles								
1,2,4,5-Tetrachlorobenzene	ND	250	130	ug/Kg	1	08/05/20	WB	SW8270D
1,2,4-Trichlorobenzene	ND	250	110	ug/Kg	1	08/05/20	WB	SW8270D
1,2-Dichlorobenzene	ND	250	100	ug/Kg	1	08/05/20	WB	SW8270D
1,2-Diphenylhydrazine	ND	250	120	ug/Kg	1	08/05/20	WB	SW8270D
1,3-Dichlorobenzene	ND	250	110	ug/Kg	1	08/05/20	WB	SW8270D
1,4-Dichlorobenzene	ND	250	110	ug/Kg	1	08/05/20	WB	SW8270D

Project ID: 64 CENTRE AVE, NEW ROCHELLE NY
Client ID: 64B COMP (12-14`)

Phoenix I.D.: CG47155

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By		
2,4,5-Trichlorophenol	ND	250	200	ug/Kg	1	08/05/20	WB	SW8270D	
2,4,6-Trichlorophenol	ND	180	110	ug/Kg	1	08/05/20	WB	SW8270D	
2,4-Dichlorophenol	ND	180	130	ug/Kg	1	08/05/20	WB	SW8270D	
2,4-Dimethylphenol	ND	250	88	ug/Kg	1	08/05/20	WB	SW8270D	
2,4-Dinitrophenol	ND	250	250	ug/Kg	1	08/05/20	WB	SW8270D	
2,4-Dinitrotoluene	ND	180	140	ug/Kg	1	08/05/20	WB	SW8270D	
2,6-Dinitrotoluene	ND	180	110	ug/Kg	1	08/05/20	WB	SW8270D	
2-Chloronaphthalene	ND	250	100	ug/Kg	1	08/05/20	WB	SW8270D	
2-Chlorophenol	ND	250	100	ug/Kg	1	08/05/20	WB	SW8270D	
2-Methylnaphthalene	ND	250	110	ug/Kg	1	08/05/20	WB	SW8270D	
2-Methylphenol (o-cresol)	ND	250	170	ug/Kg	1	08/05/20	WB	SW8270D	
2-Nitroaniline	ND	100	100	ug/Kg	1	08/05/20	WB	SW8270D	
2-Nitrophenol	ND	250	230	ug/Kg	1	08/05/20	WB	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND	250	140	ug/Kg	1	08/05/20	WB	SW8270D	1
3,3'-Dichlorobenzidine	ND	180	170	ug/Kg	1	08/05/20	WB	SW8270D	
3-Nitroaniline	ND	91	91	ug/Kg	1	08/05/20	WB	SW8270D	
4,6-Dinitro-2-methylphenol	ND	210	71	ug/Kg	1	08/05/20	WB	SW8270D	
4-Bromophenyl phenyl ether	ND	250	100	ug/Kg	1	08/05/20	WB	SW8270D	
4-Chloro-3-methylphenol	ND	250	130	ug/Kg	1	08/05/20	WB	SW8270D	
4-Chloroaniline	ND	280	170	ug/Kg	1	08/05/20	WB	SW8270D	
4-Chlorophenyl phenyl ether	ND	250	120	ug/Kg	1	08/05/20	WB	SW8270D	
4-Nitroaniline	ND	86	86	ug/Kg	1	08/05/20	WB	SW8270D	
4-Nitrophenol	ND	360	160	ug/Kg	1	08/05/20	WB	SW8270D	
Acenaphthene	ND	250	110	ug/Kg	1	08/05/20	WB	SW8270D	
Acenaphthylene	ND	250	100	ug/Kg	1	08/05/20	WB	SW8270D	
Acetophenone	ND	250	110	ug/Kg	1	08/05/20	WB	SW8270D	
Aniline	ND	280	280	ug/Kg	1	08/05/20	WB	SW8270D	
Anthracene	ND	250	120	ug/Kg	1	08/05/20	WB	SW8270D	
Benz(a)anthracene	ND	250	120	ug/Kg	1	08/05/20	WB	SW8270D	
Benzidine	ND	340	210	ug/Kg	1	08/05/20	WB	SW8270D	
Benzo(a)pyrene	ND	180	120	ug/Kg	1	08/05/20	WB	SW8270D	
Benzo(b)fluoranthene	ND	250	120	ug/Kg	1	08/05/20	WB	SW8270D	
Benzo(ghi)perylene	ND	250	120	ug/Kg	1	08/05/20	WB	SW8270D	
Benzo(k)fluoranthene	ND	250	120	ug/Kg	1	08/05/20	WB	SW8270D	
Benzoic acid	ND	1800	710	ug/Kg	1	08/05/20	WB	SW8270D	
Benzyl butyl phthalate	ND	250	92	ug/Kg	1	08/05/20	WB	SW8270D	
Bis(2-chloroethoxy)methane	ND	250	98	ug/Kg	1	08/05/20	WB	SW8270D	
Bis(2-chloroethyl)ether	ND	71	71	ug/Kg	1	08/05/20	WB	SW8270D	
Bis(2-chloroisopropyl)ether	ND	250	99	ug/Kg	1	08/05/20	WB	SW8270D	
Bis(2-ethylhexyl)phthalate	ND	250	100	ug/Kg	1	08/05/20	WB	SW8270D	
Carbazole	ND	180	140	ug/Kg	1	08/05/20	WB	SW8270D	
Chrysene	ND	250	120	ug/Kg	1	08/05/20	WB	SW8270D	
Dibenz(a,h)anthracene	ND	180	120	ug/Kg	1	08/05/20	WB	SW8270D	
Dibenzofuran	ND	250	100	ug/Kg	1	08/05/20	WB	SW8270D	
Diethyl phthalate	ND	250	110	ug/Kg	1	08/05/20	WB	SW8270D	
Dimethylphthalate	ND	250	110	ug/Kg	1	08/05/20	WB	SW8270D	
Di-n-butylphthalate	ND	250	95	ug/Kg	1	08/05/20	WB	SW8270D	
Di-n-octylphthalate	ND	250	92	ug/Kg	1	08/05/20	WB	SW8270D	
Fluoranthene	ND	250	120	ug/Kg	1	08/05/20	WB	SW8270D	

Project ID: 64 CENTRE AVE, NEW ROCHELLE NY
Client ID: 64B COMP (12-14`)

Phoenix I.D.: CG47155

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	
Fluorene	ND	250	120	ug/Kg	1	08/05/20	WB	SW8270D
Hexachlorobenzene	ND	180	100	ug/Kg	1	08/05/20	WB	SW8270D
Hexachlorobutadiene	ND	250	130	ug/Kg	1	08/05/20	WB	SW8270D
Hexachlorocyclopentadiene	ND	250	110	ug/Kg	1	08/05/20	WB	SW8270D
Hexachloroethane	ND	180	110	ug/Kg	1	08/05/20	WB	SW8270D
Indeno(1,2,3-cd)pyrene	ND	250	120	ug/Kg	1	08/05/20	WB	SW8270D
Isophorone	ND	180	100	ug/Kg	1	08/05/20	WB	SW8270D
Naphthalene	ND	250	100	ug/Kg	1	08/05/20	WB	SW8270D
Nitrobenzene	ND	180	120	ug/Kg	1	08/05/20	WB	SW8270D
N-Nitrosodimethylamine	ND	71	71	ug/Kg	1	08/05/20	WB	SW8270D
N-Nitrosodi-n-propylamine	ND	71	71	ug/Kg	1	08/05/20	WB	SW8270D
N-Nitrosodiphenylamine	ND	250	140	ug/Kg	1	08/05/20	WB	SW8270D
Pentachloronitrobenzene	ND	250	130	ug/Kg	1	08/05/20	WB	SW8270D
Pentachlorophenol	ND	210	130	ug/Kg	1	08/05/20	WB	SW8270D
Phenanthrene	ND	250	100	ug/Kg	1	08/05/20	WB	SW8270D
Phenol	ND	250	110	ug/Kg	1	08/05/20	WB	SW8270D
Pyrene	ND	250	120	ug/Kg	1	08/05/20	WB	SW8270D
Pyridine	ND	220	88	ug/Kg	1	08/05/20	WB	SW8270D
QA/QC Surrogates								
% 2,4,6-Tribromophenol	91			%	1	08/05/20	WB	30 - 130 %
% 2-Fluorobiphenyl	81			%	1	08/05/20	WB	30 - 130 %
% 2-Fluorophenol	80			%	1	08/05/20	WB	30 - 130 %
% Nitrobenzene-d5	78			%	1	08/05/20	WB	30 - 130 %
% Phenol-d5	82			%	1	08/05/20	WB	30 - 130 %
% Terphenyl-d14	89			%	1	08/05/20	WB	30 - 130 %

Additional Semi-Volatile Compounds

1,1-Biphenyl	ND	250	110	ug/Kg	1	08/05/20	WB	SW8270D
1,2,4,5-Tetrachlorobenzene	ND	250	130	ug/Kg	1	08/05/20	WB	SW8270D
Atrazine	ND	130	71	ug/Kg	1	08/05/20	WB	SW8270D
Benzaldehyde	ND	250	110	ug/Kg	1	08/05/20	WB	SW8270D
Benzo(a)pyrene	ND	250	120	ug/Kg	1	08/05/20	WB	SW8270D
Caprolactam	ND	140	140	ug/Kg	1	08/05/20	WB	SW8270D
QA/QC Surrogates								
% 2,4,6-Tribromophenol	91			%	1	08/05/20	WB	30 - 130 %
% 2-Fluorobiphenyl	81			%	1	08/05/20	WB	30 - 130 %
% 2-Fluorophenol	80			%	1	08/05/20	WB	30 - 130 %
% Nitrobenzene-d5	78			%	1	08/05/20	WB	30 - 130 %
% Phenol-d5	82			%	1	08/05/20	WB	30 - 130 %
% Terphenyl-d14	89			%	1	08/05/20	WB	30 - 130 %
Pyridine	ND	220		ug/Kg	1	08/05/20	WB	SW8270D
SVOA Library Search Top 15	Completed					08/05/20	WB	

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

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Semi-Volatile Comment:
Due to low QC recoveries the RL/PQL of some compounds have been evaluated below the lowest calibration standard in order account for possible sample bias and meet criteria: 2,4-dintrophenol, 4,6-Dinitro-2-methylphenol, and Benzidine.

Corrosivity is based solely on the pH analysis performed above.

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

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

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

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

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

Semi-Volatile Comment:
To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

Hexavalent Chromium:
This sample is in a reducing state.

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

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director
August 11, 2020
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

August 11, 2020

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:	DM	08/03/20	14:10
Location Code:	EBC	Received by:	CP	08/04/20	15:52
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCG47143
Phoenix ID: CG47156

Project ID: 64 CENTRE AVE, NEW ROCHELLE NY
Client ID: 64B GRAB (12-14`)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Percent Solid	90			%		08/04/20	HB	SW846-%Solid	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	5.4	1.1	ug/Kg	1	08/06/20	JLI	SW8260C	
1,1,1-Trichloroethane	ND	5.4	0.54	ug/Kg	1	08/06/20	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	5.4	1.1	ug/Kg	1	08/06/20	JLI	SW8260C	
1,1,2-Trichloroethane	ND	5.4	1.1	ug/Kg	1	08/06/20	JLI	SW8260C	
1,1-Dichloroethane	ND	5.4	1.1	ug/Kg	1	08/06/20	JLI	SW8260C	
1,1-Dichloroethene	ND	5.4	0.54	ug/Kg	1	08/06/20	JLI	SW8260C	
1,1-Dichloropropene	ND	5.4	0.54	ug/Kg	1	08/06/20	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	5.4	1.1	ug/Kg	1	08/06/20	JLI	SW8260C	
1,2,3-Trichloropropane	ND	5.4	0.54	ug/Kg	1	08/06/20	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	5.4	1.1	ug/Kg	1	08/06/20	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	5.4	0.54	ug/Kg	1	08/06/20	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	5.4	1.1	ug/Kg	1	08/06/20	JLI	SW8260C	
1,2-Dibromoethane	ND	1.2	0.54	ug/Kg	1	08/06/20	JLI	SW8260C	
1,2-Dichlorobenzene	ND	5.4	0.54	ug/Kg	1	08/06/20	JLI	SW8260C	
1,2-Dichloroethane	ND	5.4	0.54	ug/Kg	1	08/06/20	JLI	SW8260C	
1,2-Dichloropropane	ND	5.4	1.1	ug/Kg	1	08/06/20	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	5.4	0.54	ug/Kg	1	08/06/20	JLI	SW8260C	
1,3-Dichlorobenzene	ND	5.4	0.54	ug/Kg	1	08/06/20	JLI	SW8260C	
1,3-Dichloropropane	ND	5.4	1.1	ug/Kg	1	08/06/20	JLI	SW8260C	
1,4-Dichlorobenzene	ND	5.4	0.54	ug/Kg	1	08/06/20	JLI	SW8260C	
2,2-Dichloropropane	ND	5.4	0.54	ug/Kg	1	08/06/20	JLI	SW8260C	
2-Chlorotoluene	ND	5.4	1.1	ug/Kg	1	08/06/20	JLI	SW8260C	
2-Hexanone	ND	27	5.4	ug/Kg	1	08/06/20	JLI	SW8260C	
2-Isopropyltoluene	ND	5.4	0.54	ug/Kg	1	08/06/20	JLI	SW8260C	1
4-Chlorotoluene	ND	5.4	0.54	ug/Kg	1	08/06/20	JLI	SW8260C	

Project ID: 64 CENTRE AVE, NEW ROCHELLE NY
Client ID: 64B GRAB (12-14`)

Phoenix I.D.: CG47156

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	
4-Methyl-2-pentanone	ND	27	5.4	ug/Kg	1	08/06/20	JLI	SW8260C
Acetone	ND	27	5.4	ug/Kg	1	08/06/20	JLI	SW8260C
Acrylonitrile	ND	11	1.1	ug/Kg	1	08/06/20	JLI	SW8260C
Benzene	ND	5.4	0.54	ug/Kg	1	08/06/20	JLI	SW8260C
Bromobenzene	ND	5.4	0.54	ug/Kg	1	08/06/20	JLI	SW8260C
Bromochloromethane	ND	5.4	0.54	ug/Kg	1	08/06/20	JLI	SW8260C
Bromodichloromethane	ND	5.4	1.1	ug/Kg	1	08/06/20	JLI	SW8260C
Bromoform	ND	5.4	1.1	ug/Kg	1	08/06/20	JLI	SW8260C
Bromomethane	ND	5.4	2.2	ug/Kg	1	08/06/20	JLI	SW8260C
Carbon Disulfide	ND	5.4	1.1	ug/Kg	1	08/06/20	JLI	SW8260C
Carbon tetrachloride	ND	5.4	1.1	ug/Kg	1	08/06/20	JLI	SW8260C
Chlorobenzene	ND	5.4	0.54	ug/Kg	1	08/06/20	JLI	SW8260C
Chloroethane	ND	5.4	0.54	ug/Kg	1	08/06/20	JLI	SW8260C
Chloroform	ND	5.4	0.54	ug/Kg	1	08/06/20	JLI	SW8260C
Chloromethane	ND	5.4	1.1	ug/Kg	1	08/06/20	JLI	SW8260C
cis-1,2-Dichloroethene	ND	5.4	0.54	ug/Kg	1	08/06/20	JLI	SW8260C
cis-1,3-Dichloropropene	ND	5.4	0.54	ug/Kg	1	08/06/20	JLI	SW8260C
Dibromochloromethane	ND	5.4	1.1	ug/Kg	1	08/06/20	JLI	SW8260C
Dibromomethane	ND	5.4	1.1	ug/Kg	1	08/06/20	JLI	SW8260C
Dichlorodifluoromethane	ND	5.4	0.54	ug/Kg	1	08/06/20	JLI	SW8260C
Ethylbenzene	ND	5.4	0.54	ug/Kg	1	08/06/20	JLI	SW8260C
Hexachlorobutadiene	ND	5.4	0.54	ug/Kg	1	08/06/20	JLI	SW8260C
Isopropylbenzene	ND	5.4	0.54	ug/Kg	1	08/06/20	JLI	SW8260C
m&p-Xylene	ND	5.4	1.1	ug/Kg	1	08/06/20	JLI	SW8260C
Methyl Ethyl Ketone	ND	33	5.4	ug/Kg	1	08/06/20	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	11	1.1	ug/Kg	1	08/06/20	JLI	SW8260C
Methylene chloride	ND	5.4	5.4	ug/Kg	1	08/06/20	JLI	SW8260C
Naphthalene	ND	5.4	1.1	ug/Kg	1	08/06/20	JLI	SW8260C
n-Butylbenzene	ND	5.4	0.54	ug/Kg	1	08/06/20	JLI	SW8260C
n-Propylbenzene	ND	5.4	1.1	ug/Kg	1	08/06/20	JLI	SW8260C
o-Xylene	ND	5.4	1.1	ug/Kg	1	08/06/20	JLI	SW8260C
p-Isopropyltoluene	ND	5.4	0.54	ug/Kg	1	08/06/20	JLI	SW8260C
sec-Butylbenzene	ND	5.4	0.54	ug/Kg	1	08/06/20	JLI	SW8260C
Styrene	ND	5.4	0.54	ug/Kg	1	08/06/20	JLI	SW8260C
tert-Butylbenzene	ND	5.4	0.54	ug/Kg	1	08/06/20	JLI	SW8260C
Tetrachloroethene	ND	5.4	1.1	ug/Kg	1	08/06/20	JLI	SW8260C
Tetrahydrofuran (THF)	ND	11	2.7	ug/Kg	1	08/06/20	JLI	SW8260C
Toluene	ND	5.4	0.54	ug/Kg	1	08/06/20	JLI	SW8260C
trans-1,2-Dichloroethene	ND	5.4	0.54	ug/Kg	1	08/06/20	JLI	SW8260C
trans-1,3-Dichloropropene	ND	5.4	0.54	ug/Kg	1	08/06/20	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	11	2.7	ug/Kg	1	08/06/20	JLI	SW8260C
Trichloroethene	ND	5.4	0.54	ug/Kg	1	08/06/20	JLI	SW8260C
Trichlorofluoromethane	ND	5.4	1.1	ug/Kg	1	08/06/20	JLI	SW8260C
Trichlorotrifluoroethane	ND	5.4	0.54	ug/Kg	1	08/06/20	JLI	SW8260C
Vinyl chloride	ND	5.4	0.54	ug/Kg	1	08/06/20	JLI	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	99			%	1	08/06/20	JLI	70 - 130 %
% Bromofluorobenzene	99			%	1	08/06/20	JLI	70 - 130 %
% Dibromofluoromethane	94			%	1	08/06/20	JLI	70 - 130 %

Ver 1

Project ID: 64 CENTRE AVE, NEW ROCHELLE NY
Client ID: 64B GRAB (12-14`)

Phoenix I.D.: CG47156

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By		
% Toluene-d8	100			%	1	08/06/20	JLI	70 - 130 %	
1,4-dioxane									
1,4-dioxane	ND	82		ug/kg	1	08/06/20	JLI	SW8260C	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	99			%	1	08/06/20	JLI	70 - 130 %	
% Bromofluorobenzene	99			%	1	08/06/20	JLI	70 - 130 %	
% Dibromofluoromethane	94			%	1	08/06/20	JLI	70 - 130 %	
% Toluene-d8	100			%	1	08/06/20	JLI	70 - 130 %	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	22		ug/Kg	1	08/06/20	JLI	SW8260C	
Acrolein	ND	1.4		ug/Kg	1	08/06/20	JLI	SW8260C	
Acrylonitrile	ND	22		ug/Kg	1	08/06/20	JLI	SW8260C	
Tert-butyl alcohol	ND	110		ug/Kg	1	08/06/20	JLI	SW8260C	
Field Extraction	Completed					08/03/20		SW5035A	1

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Volatile Comment:
To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

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

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
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Phyllis Shiller, Laboratory Director

August 11, 2020

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

August 11, 2020

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:	DM	08/03/20	17:55
Location Code:	EBC	Received by:	CP	08/04/20	15:52
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCG47143
Phoenix ID: CG47157

Project ID: 64 CENTRE AVE, NEW ROCHELLE NY
Client ID: 64B COMP (14-16`)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Silver	< 0.35	0.35		mg/Kg	1	08/05/20	TH	SW6010D	
Aluminum	10400	35		mg/Kg	10	08/05/20	TH	SW6010D	
Arsenic	< 0.70	0.70		mg/Kg	1	08/05/20	TH	SW6010D	
Barium	106	0.7		mg/Kg	1	08/05/20	TH	SW6010D	
Beryllium	< 0.28	0.28		mg/Kg	1	08/05/20	TH	SW6010D	
Calcium	624	3.5		mg/Kg	1	08/05/20	TH	SW6010D	
Cadmium	0.78	0.35		mg/Kg	1	08/05/20	TH	SW6010D	
Cobalt	11.8	0.35		mg/Kg	1	08/05/20	TH	SW6010D	
Chromium	22.2	0.35		mg/Kg	1	08/05/20	TH	SW6010D	
Copper	29.6	0.7		mg/kg	1	08/05/20	TH	SW6010D	
Iron	22600	35		mg/Kg	10	08/05/20	EK	SW6010D	B
Mercury	< 0.03	0.03		mg/Kg	2	08/05/20	RS	SW7471B	
Potassium	7220	70		mg/Kg	10	08/05/20	EK	SW6010D	B
Magnesium	4510	3.5		mg/Kg	1	08/05/20	TH	SW6010D	
Manganese	366	3.5		mg/Kg	10	08/05/20	EK	SW6010D	
Molybdenum	< 0.35	0.35		mg/Kg	1	08/05/20	TH	SW6010D	
Sodium	175	7		mg/Kg	1	08/05/20	EK	SW6010D	B
Nickel	17.5	0.35		mg/Kg	1	08/05/20	TH	SW6010D	
Lead	2.3	0.7		mg/Kg	1	08/05/20	TH	SW6010D	
Antimony	< 3.5	3.5		mg/Kg	1	08/05/20	TH	SW6010D	
Selenium	< 1.4	1.4		mg/Kg	1	08/05/20	TH	SW6010D	
TCLP Silver	< 0.10	0.10		mg/L	1	08/06/20	TH	SW846 1311/6010	
TCLP Arsenic	< 0.10	0.10		mg/L	1	08/06/20	TH	SW846 1311/6010	1
TCLP Barium	0.13	0.10		mg/L	1	08/06/20	TH	SW846 1311/6010	
TCLP Cadmium	< 0.050	0.050		mg/L	1	08/06/20	TH	SW846 1311/6010	
TCLP Chromium	< 0.10	0.10		mg/L	1	08/06/20	TH	SW846 1311/6010	
TCLP Copper	< 0.10	0.10		mg/L	1	08/06/20	TH	SW846 1311/6010	
TCLP Mercury	< 0.0002	0.0002		mg/L	1	08/06/20	MH/RS	SW846 1311/7470	1

Ver 1

Project ID: 64 CENTRE AVE, NEW ROCHELLE NY
Client ID: 64B COMP (14-16`)

Phoenix I.D.: CG47157

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By		
TCLP Nickel	< 0.10	0.10		mg/L	1	08/06/20	TH	SW846 1311/6010	
TCLP Lead	< 0.10	0.10		mg/L	1	08/06/20	TH	SW846 1311/6010	
TCLP Selenium	< 0.10	0.10		mg/L	1	08/06/20	TH	SW846 1311/6010D	
TCLP Zinc	0.13	0.10		mg/L	1	08/06/20	TH	SW846 1311/6010D	
Thallium	< 1.4	1.4		mg/Kg	1	08/05/20	TH	SW6010D	
TCLP Metals Digestion	Completed					08/05/20	VT/VT	SW3010A	
Vanadium	27.5	0.35		mg/Kg	1	08/05/20	TH	SW6010D	
Zinc	44.8	0.7		mg/Kg	1	08/05/20	TH	SW6010D	
Percent Solid	89			%		08/04/20	HB	SW846-%Solid	
Corrosivity	Negative			Pos/Neg	1	08/04/20	MB	SW846-Corr	1
Flash Point	>200	200		Degree F	1	08/07/20	ARG	1010/CH7/ASTMD92	
Chromium, Hex. (SW3060 digestion)	< 0.44	0.44		mg/Kg	1	08/05/20	ARG/BJA	SW7196A	
Ignitability	Passed	140		degree F	1	08/07/20	ARG	SW846-Ignit	1
pH at 25C - Soil	8.16	1.00		pH Units	1	08/04/20 22:29	MB	SW846 9045	1
Reactivity Cyanide	< 5	5		mg/Kg	1	08/06/20	D/E/G	SW846 7.3.3.1/90	1
Reactivity Sulfide	< 20	20		mg/Kg	1	08/06/20	DJ/ARG	SW846 CH7	1
Reactivity	Negative			Pos/Neg	1	08/06/20	ARG	SW846-React	1
Redox Potential	183			mV	1	08/04/20	MB	SM2580B-09	1
Total Cyanide (SW9010C Distill.)	< 0.56	0.56		mg/Kg	1	08/07/20	EG	SW9012B	
Soil Extraction for PCB	Completed					08/04/20	L/A	SW3545A	
Soil Extraction for Pesticides	Completed					08/04/20	L	SW3545A	
Mercury Digestion	Completed					08/05/20	VT/VT	SW7471B	
Soil Extraction for SVOA	Completed					08/04/20	R/AA	SW3546	
NJ EPH Extraction	Completed					08/05/20	L/E	NJDEP 10-08 R3	
Soil Extraction for Herbicide	Completed					08/05/20	J/AK/D	SW3550C	
TCLP Digestion Mercury	Completed					08/05/20	VT/VT	SW7470A	
TCLP Extraction for Metals	Completed					08/04/20	VT	SW1311	
Total Metals Digest	Completed					08/04/20	F/AG/BF	SW3050B	
NJ EPH Category 2									
Total EPH (C9-C40)	ND	56	56	mg/kg	1	08/06/20	JRB	NJEPH 10-08 R3	1
QA/QC Surrogates									
% COD (surr)	46			%	1	08/06/20	JRB	40 - 140 %	
% Terphenyl (surr)	53			%	1	08/06/20	JRB	40 - 140 %	
Chlorinated Herbicides									
2,4,5-T	ND	93		ug/Kg	10	08/06/20	JRB	SW8151A	
2,4,5-TP (Silvex)	ND	93		ug/Kg	10	08/06/20	JRB	SW8151A	
2,4-D	ND	190		ug/Kg	10	08/06/20	JRB	SW8151A	
2,4-DB	ND	1900		ug/Kg	10	08/06/20	JRB	SW8151A	
Dalapon	ND	93		ug/Kg	10	08/06/20	JRB	SW8151A	
Dicamba	ND	93		ug/Kg	10	08/06/20	JRB	SW8151A	
Dichloroprop	ND	190		ug/Kg	10	08/06/20	JRB	SW8151A	
Dinoseb	ND	190		ug/Kg	10	08/06/20	JRB	SW8151A	
QA/QC Surrogates									
% DCAA	59			%	10	08/06/20	JRB	30 - 150 %	
% DCAA (Confirmation)	53			%	10	08/06/20	JRB	30 - 150 %	
Polychlorinated Biphenyls									
PCB-1016	ND	74	74	ug/Kg	2	08/05/20	SC	SW8082A	

Ver 1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	
PCB-1221	ND	74	74	ug/Kg	2	08/05/20	SC	SW8082A
PCB-1232	ND	74	74	ug/Kg	2	08/05/20	SC	SW8082A
PCB-1242	ND	74	74	ug/Kg	2	08/05/20	SC	SW8082A
PCB-1248	ND	74	74	ug/Kg	2	08/05/20	SC	SW8082A
PCB-1254	ND	74	74	ug/Kg	2	08/05/20	SC	SW8082A
PCB-1260	ND	74	74	ug/Kg	2	08/05/20	SC	SW8082A
PCB-1262	ND	74	74	ug/Kg	2	08/05/20	SC	SW8082A
PCB-1268	ND	74	74	ug/Kg	2	08/05/20	SC	SW8082A
QA/QC Surrogates								
% DCBP	70			%	2	08/05/20	SC	30 - 150 %
% DCBP (Confirmation)	62			%	2	08/05/20	SC	30 - 150 %
% TCMX	60			%	2	08/05/20	SC	30 - 150 %
% TCMX (Confirmation)	63			%	2	08/05/20	SC	30 - 150 %
Pesticides - Soil								
4,4' -DDD	ND	2.2		ug/Kg	2	08/06/20	CG	SW8081B
4,4' -DDE	ND	2.2		ug/Kg	2	08/06/20	CG	SW8081B
4,4' -DDT	ND	2.2		ug/Kg	2	08/06/20	CG	SW8081B
a-BHC	ND	7.4		ug/Kg	2	08/06/20	CG	SW8081B
a-Chlordane	ND	3.7		ug/Kg	2	08/06/20	CG	SW8081B
Aldrin	ND	3.7		ug/Kg	2	08/06/20	CG	SW8081B
b-BHC	ND	7.4		ug/Kg	2	08/06/20	CG	SW8081B
Chlordane	ND	37		ug/Kg	2	08/06/20	CG	SW8081B
d-BHC	ND	7.4		ug/Kg	2	08/06/20	CG	SW8081B
Dieldrin	ND	3.7		ug/Kg	2	08/06/20	CG	SW8081B
Endosulfan I	ND	7.4		ug/Kg	2	08/06/20	CG	SW8081B
Endosulfan II	ND	7.4		ug/Kg	2	08/06/20	CG	SW8081B
Endosulfan sulfate	ND	7.4		ug/Kg	2	08/06/20	CG	SW8081B
Endrin	ND	7.4		ug/Kg	2	08/06/20	CG	SW8081B
Endrin aldehyde	ND	7.4		ug/Kg	2	08/06/20	CG	SW8081B
Endrin ketone	ND	7.4		ug/Kg	2	08/06/20	CG	SW8081B
g-BHC	ND	1.5		ug/Kg	2	08/06/20	CG	SW8081B
g-Chlordane	ND	3.7		ug/Kg	2	08/06/20	CG	SW8081B
Heptachlor	ND	7.4		ug/Kg	2	08/06/20	CG	SW8081B
Heptachlor epoxide	ND	7.4		ug/Kg	2	08/06/20	CG	SW8081B
Methoxychlor	ND	37		ug/Kg	2	08/06/20	CG	SW8081B
Toxaphene	ND	150		ug/Kg	2	08/06/20	CG	SW8081B
QA/QC Surrogates								
% DCBP	51			%	2	08/06/20	CG	30 - 150 %
% DCBP (Confirmation)	65			%	2	08/06/20	CG	30 - 150 %
% TCMX	57			%	2	08/06/20	CG	30 - 150 %
% TCMX (Confirmation)	55			%	2	08/06/20	CG	30 - 150 %
Semivolatiles								
1,2,4,5-Tetrachlorobenzene	ND	260	130	ug/Kg	1	08/05/20	WB	SW8270D
1,2,4-Trichlorobenzene	ND	260	110	ug/Kg	1	08/05/20	WB	SW8270D
1,2-Dichlorobenzene	ND	260	100	ug/Kg	1	08/05/20	WB	SW8270D
1,2-Diphenylhydrazine	ND	260	120	ug/Kg	1	08/05/20	WB	SW8270D
1,3-Dichlorobenzene	ND	260	110	ug/Kg	1	08/05/20	WB	SW8270D
1,4-Dichlorobenzene	ND	260	110	ug/Kg	1	08/05/20	WB	SW8270D

Project ID: 64 CENTRE AVE, NEW ROCHELLE NY
Client ID: 64B COMP (14-16`)

Phoenix I.D.: CG47157

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By		
2,4,5-Trichlorophenol	ND	260	200	ug/Kg	1	08/05/20	WB	SW8270D	
2,4,6-Trichlorophenol	ND	180	120	ug/Kg	1	08/05/20	WB	SW8270D	
2,4-Dichlorophenol	ND	180	130	ug/Kg	1	08/05/20	WB	SW8270D	
2,4-Dimethylphenol	ND	260	91	ug/Kg	1	08/05/20	WB	SW8270D	
2,4-Dinitrophenol	ND	260	260	ug/Kg	1	08/05/20	WB	SW8270D	
2,4-Dinitrotoluene	ND	180	150	ug/Kg	1	08/05/20	WB	SW8270D	
2,6-Dinitrotoluene	ND	180	120	ug/Kg	1	08/05/20	WB	SW8270D	
2-Chloronaphthalene	ND	260	100	ug/Kg	1	08/05/20	WB	SW8270D	
2-Chlorophenol	ND	260	100	ug/Kg	1	08/05/20	WB	SW8270D	
2-Methylnaphthalene	ND	260	110	ug/Kg	1	08/05/20	WB	SW8270D	
2-Methylphenol (o-cresol)	ND	260	170	ug/Kg	1	08/05/20	WB	SW8270D	
2-Nitroaniline	ND	100	100	ug/Kg	1	08/05/20	WB	SW8270D	
2-Nitrophenol	ND	260	230	ug/Kg	1	08/05/20	WB	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND	260	150	ug/Kg	1	08/05/20	WB	SW8270D	1
3,3'-Dichlorobenzidine	ND	180	170	ug/Kg	1	08/05/20	WB	SW8270D	
3-Nitroaniline	ND	91	91	ug/Kg	1	08/05/20	WB	SW8270D	
4,6-Dinitro-2-methylphenol	ND	220	74	ug/Kg	1	08/05/20	WB	SW8270D	
4-Bromophenyl phenyl ether	ND	260	110	ug/Kg	1	08/05/20	WB	SW8270D	
4-Chloro-3-methylphenol	ND	260	130	ug/Kg	1	08/05/20	WB	SW8270D	
4-Chloroaniline	ND	290	170	ug/Kg	1	08/05/20	WB	SW8270D	
4-Chlorophenyl phenyl ether	ND	260	120	ug/Kg	1	08/05/20	WB	SW8270D	
4-Nitroaniline	ND	86	86	ug/Kg	1	08/05/20	WB	SW8270D	
4-Nitrophenol	ND	370	170	ug/Kg	1	08/05/20	WB	SW8270D	
Acenaphthene	ND	260	110	ug/Kg	1	08/05/20	WB	SW8270D	
Acenaphthylene	ND	260	100	ug/Kg	1	08/05/20	WB	SW8270D	
Acetophenone	ND	260	120	ug/Kg	1	08/05/20	WB	SW8270D	
Aniline	ND	290	290	ug/Kg	1	08/05/20	WB	SW8270D	
Anthracene	ND	260	120	ug/Kg	1	08/05/20	WB	SW8270D	
Benz(a)anthracene	ND	260	120	ug/Kg	1	08/05/20	WB	SW8270D	
Benzidine	ND	340	220	ug/Kg	1	08/05/20	WB	SW8270D	
Benzo(a)pyrene	ND	180	120	ug/Kg	1	08/05/20	WB	SW8270D	
Benzo(b)fluoranthene	ND	260	130	ug/Kg	1	08/05/20	WB	SW8270D	
Benzo(ghi)perylene	ND	260	120	ug/Kg	1	08/05/20	WB	SW8270D	
Benzo(k)fluoranthene	ND	260	120	ug/Kg	1	08/05/20	WB	SW8270D	
Benzoic acid	ND	1800	740	ug/Kg	1	08/05/20	WB	SW8270D	
Benzyl butyl phthalate	ND	260	95	ug/Kg	1	08/05/20	WB	SW8270D	
Bis(2-chloroethoxy)methane	ND	260	100	ug/Kg	1	08/05/20	WB	SW8270D	
Bis(2-chloroethyl)ether	ND	74	74	ug/Kg	1	08/05/20	WB	SW8270D	
Bis(2-chloroisopropyl)ether	ND	260	100	ug/Kg	1	08/05/20	WB	SW8270D	
Bis(2-ethylhexyl)phthalate	ND	260	110	ug/Kg	1	08/05/20	WB	SW8270D	
Carbazole	ND	180	150	ug/Kg	1	08/05/20	WB	SW8270D	
Chrysene	ND	260	120	ug/Kg	1	08/05/20	WB	SW8270D	
Dibenz(a,h)anthracene	ND	180	120	ug/Kg	1	08/05/20	WB	SW8270D	
Dibenzofuran	ND	260	110	ug/Kg	1	08/05/20	WB	SW8270D	
Diethyl phthalate	ND	260	120	ug/Kg	1	08/05/20	WB	SW8270D	
Dimethylphthalate	ND	260	110	ug/Kg	1	08/05/20	WB	SW8270D	
Di-n-butylphthalate	ND	260	98	ug/Kg	1	08/05/20	WB	SW8270D	
Di-n-octylphthalate	ND	260	95	ug/Kg	1	08/05/20	WB	SW8270D	
Fluoranthene	ND	260	120	ug/Kg	1	08/05/20	WB	SW8270D	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	
Fluorene	ND	260	120	ug/Kg	1	08/05/20	WB	SW8270D
Hexachlorobenzene	ND	180	110	ug/Kg	1	08/05/20	WB	SW8270D
Hexachlorobutadiene	ND	260	130	ug/Kg	1	08/05/20	WB	SW8270D
Hexachlorocyclopentadiene	ND	260	110	ug/Kg	1	08/05/20	WB	SW8270D
Hexachloroethane	ND	180	110	ug/Kg	1	08/05/20	WB	SW8270D
Indeno(1,2,3-cd)pyrene	ND	260	120	ug/Kg	1	08/05/20	WB	SW8270D
Isophorone	ND	180	100	ug/Kg	1	08/05/20	WB	SW8270D
Naphthalene	ND	260	110	ug/Kg	1	08/05/20	WB	SW8270D
Nitrobenzene	ND	180	130	ug/Kg	1	08/05/20	WB	SW8270D
N-Nitrosodimethylamine	ND	74	74	ug/Kg	1	08/05/20	WB	SW8270D
N-Nitrosodi-n-propylamine	ND	74	74	ug/Kg	1	08/05/20	WB	SW8270D
N-Nitrosodiphenylamine	ND	260	140	ug/Kg	1	08/05/20	WB	SW8270D
Pentachloronitrobenzene	ND	260	140	ug/Kg	1	08/05/20	WB	SW8270D
Pentachlorophenol	ND	220	140	ug/Kg	1	08/05/20	WB	SW8270D
Phenanthrene	ND	260	110	ug/Kg	1	08/05/20	WB	SW8270D
Phenol	ND	260	120	ug/Kg	1	08/05/20	WB	SW8270D
Pyrene	ND	260	130	ug/Kg	1	08/05/20	WB	SW8270D
Pyridine	ND	220	91	ug/Kg	1	08/05/20	WB	SW8270D
QA/QC Surrogates								
% 2,4,6-Tribromophenol	90			%	1	08/05/20	WB	30 - 130 %
% 2-Fluorobiphenyl	83			%	1	08/05/20	WB	30 - 130 %
% 2-Fluorophenol	77			%	1	08/05/20	WB	30 - 130 %
% Nitrobenzene-d5	76			%	1	08/05/20	WB	30 - 130 %
% Phenol-d5	78			%	1	08/05/20	WB	30 - 130 %
% Terphenyl-d14	85			%	1	08/05/20	WB	30 - 130 %

Additional Semi-Volatile Compounds

1,1-Biphenyl	ND	260	110	ug/Kg	1	08/05/20	WB	SW8270D
1,2,4,5-Tetrachlorobenzene	ND	260	130	ug/Kg	1	08/05/20	WB	SW8270D
Atrazine	ND	130	74	ug/Kg	1	08/05/20	WB	SW8270D
Benzaldehyde	ND	260	110	ug/Kg	1	08/05/20	WB	SW8270D
Benzo(a)pyrene	ND	260	120	ug/Kg	1	08/05/20	WB	SW8270D
Caprolactam	ND	150	150	ug/Kg	1	08/05/20	WB	SW8270D
QA/QC Surrogates								
% 2,4,6-Tribromophenol	90			%	1	08/05/20	WB	30 - 130 %
% 2-Fluorobiphenyl	83			%	1	08/05/20	WB	30 - 130 %
% 2-Fluorophenol	77			%	1	08/05/20	WB	30 - 130 %
% Nitrobenzene-d5	76			%	1	08/05/20	WB	30 - 130 %
% Phenol-d5	78			%	1	08/05/20	WB	30 - 130 %
% Terphenyl-d14	85			%	1	08/05/20	WB	30 - 130 %
Pyridine	ND	220		ug/Kg	1	08/05/20	WB	SW8270D
SVOA Library Search Top 15	Completed					08/05/20	WB	

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

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Semi-Volatile Comment:
Due to low QC recoveries the RL/PQL of some compounds have been evaluated below the lowest calibration standard in order account for possible sample bias and meet criteria: 2,4-dintrophenol, 4,6-Dinitro-2-methylphenol, and Benzidine.

Corrosivity is based solely on the pH analysis performed above.

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

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

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

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

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

Semi-Volatile Comment:
To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

Hexavalent Chromium:
This sample is in a reducing state.

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

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director
August 11, 2020
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

August 11, 2020

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:	DM	08/03/20	14:05
Location Code:	EBC	Received by:	CP	08/04/20	15:52
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCG47143
Phoenix ID: CG47158

Project ID: 64 CENTRE AVE, NEW ROCHELLE NY
Client ID: 64B GRAB (14-16`)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Percent Solid	96			%		08/04/20	HB	SW846-%Solid	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	5.8	1.2	ug/Kg	1	08/06/20	JLI	SW8260C	
1,1,1-Trichloroethane	ND	5.8	0.58	ug/Kg	1	08/06/20	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	5.8	1.2	ug/Kg	1	08/06/20	JLI	SW8260C	
1,1,2-Trichloroethane	ND	5.8	1.2	ug/Kg	1	08/06/20	JLI	SW8260C	
1,1-Dichloroethane	ND	5.8	1.2	ug/Kg	1	08/06/20	JLI	SW8260C	
1,1-Dichloroethene	ND	5.8	0.58	ug/Kg	1	08/06/20	JLI	SW8260C	
1,1-Dichloropropene	ND	5.8	0.58	ug/Kg	1	08/06/20	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	5.8	1.2	ug/Kg	1	08/06/20	JLI	SW8260C	
1,2,3-Trichloropropane	ND	5.8	0.58	ug/Kg	1	08/06/20	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	5.8	1.2	ug/Kg	1	08/06/20	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	5.8	0.58	ug/Kg	1	08/06/20	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	5.8	1.2	ug/Kg	1	08/06/20	JLI	SW8260C	
1,2-Dibromoethane	ND	1.2	0.58	ug/Kg	1	08/06/20	JLI	SW8260C	
1,2-Dichlorobenzene	ND	5.8	0.58	ug/Kg	1	08/06/20	JLI	SW8260C	
1,2-Dichloroethane	ND	5.8	0.58	ug/Kg	1	08/06/20	JLI	SW8260C	
1,2-Dichloropropane	ND	5.8	1.2	ug/Kg	1	08/06/20	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	5.8	0.58	ug/Kg	1	08/06/20	JLI	SW8260C	
1,3-Dichlorobenzene	ND	5.8	0.58	ug/Kg	1	08/06/20	JLI	SW8260C	
1,3-Dichloropropane	ND	5.8	1.2	ug/Kg	1	08/06/20	JLI	SW8260C	
1,4-Dichlorobenzene	ND	5.8	0.58	ug/Kg	1	08/06/20	JLI	SW8260C	
2,2-Dichloropropane	ND	5.8	0.58	ug/Kg	1	08/06/20	JLI	SW8260C	
2-Chlorotoluene	ND	5.8	1.2	ug/Kg	1	08/06/20	JLI	SW8260C	
2-Hexanone	ND	29	5.8	ug/Kg	1	08/06/20	JLI	SW8260C	
2-Isopropyltoluene	ND	5.8	0.58	ug/Kg	1	08/06/20	JLI	SW8260C	1
4-Chlorotoluene	ND	5.8	0.58	ug/Kg	1	08/06/20	JLI	SW8260C	

Project ID: 64 CENTRE AVE, NEW ROCHELLE NY
Client ID: 64B GRAB (14-16`)

Phoenix I.D.: CG47158

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	
4-Methyl-2-pentanone	ND	29	5.8	ug/Kg	1	08/06/20	JLI	SW8260C
Acetone	ND	29	5.8	ug/Kg	1	08/06/20	JLI	SW8260C
Acrylonitrile	ND	12	1.2	ug/Kg	1	08/06/20	JLI	SW8260C
Benzene	ND	5.8	0.58	ug/Kg	1	08/06/20	JLI	SW8260C
Bromobenzene	ND	5.8	0.58	ug/Kg	1	08/06/20	JLI	SW8260C
Bromochloromethane	ND	5.8	0.58	ug/Kg	1	08/06/20	JLI	SW8260C
Bromodichloromethane	ND	5.8	1.2	ug/Kg	1	08/06/20	JLI	SW8260C
Bromoform	ND	5.8	1.2	ug/Kg	1	08/06/20	JLI	SW8260C
Bromomethane	ND	5.8	2.3	ug/Kg	1	08/06/20	JLI	SW8260C
Carbon Disulfide	ND	5.8	1.2	ug/Kg	1	08/06/20	JLI	SW8260C
Carbon tetrachloride	ND	5.8	1.2	ug/Kg	1	08/06/20	JLI	SW8260C
Chlorobenzene	ND	5.8	0.58	ug/Kg	1	08/06/20	JLI	SW8260C
Chloroethane	ND	5.8	0.58	ug/Kg	1	08/06/20	JLI	SW8260C
Chloroform	ND	5.8	0.58	ug/Kg	1	08/06/20	JLI	SW8260C
Chloromethane	ND	5.8	1.2	ug/Kg	1	08/06/20	JLI	SW8260C
cis-1,2-Dichloroethene	ND	5.8	0.58	ug/Kg	1	08/06/20	JLI	SW8260C
cis-1,3-Dichloropropene	ND	5.8	0.58	ug/Kg	1	08/06/20	JLI	SW8260C
Dibromochloromethane	ND	5.8	1.2	ug/Kg	1	08/06/20	JLI	SW8260C
Dibromomethane	ND	5.8	1.2	ug/Kg	1	08/06/20	JLI	SW8260C
Dichlorodifluoromethane	ND	5.8	0.58	ug/Kg	1	08/06/20	JLI	SW8260C
Ethylbenzene	ND	5.8	0.58	ug/Kg	1	08/06/20	JLI	SW8260C
Hexachlorobutadiene	ND	5.8	0.58	ug/Kg	1	08/06/20	JLI	SW8260C
Isopropylbenzene	ND	5.8	0.58	ug/Kg	1	08/06/20	JLI	SW8260C
m&p-Xylene	ND	5.8	1.2	ug/Kg	1	08/06/20	JLI	SW8260C
Methyl Ethyl Ketone	ND	35	5.8	ug/Kg	1	08/06/20	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	12	1.2	ug/Kg	1	08/06/20	JLI	SW8260C
Methylene chloride	ND	5.8	5.8	ug/Kg	1	08/06/20	JLI	SW8260C
Naphthalene	ND	5.8	1.2	ug/Kg	1	08/06/20	JLI	SW8260C
n-Butylbenzene	ND	5.8	0.58	ug/Kg	1	08/06/20	JLI	SW8260C
n-Propylbenzene	ND	5.8	1.2	ug/Kg	1	08/06/20	JLI	SW8260C
o-Xylene	ND	5.8	1.2	ug/Kg	1	08/06/20	JLI	SW8260C
p-Isopropyltoluene	ND	5.8	0.58	ug/Kg	1	08/06/20	JLI	SW8260C
sec-Butylbenzene	ND	5.8	0.58	ug/Kg	1	08/06/20	JLI	SW8260C
Styrene	ND	5.8	0.58	ug/Kg	1	08/06/20	JLI	SW8260C
tert-Butylbenzene	ND	5.8	0.58	ug/Kg	1	08/06/20	JLI	SW8260C
Tetrachloroethene	ND	5.8	1.2	ug/Kg	1	08/06/20	JLI	SW8260C
Tetrahydrofuran (THF)	ND	12	2.9	ug/Kg	1	08/06/20	JLI	SW8260C
Toluene	ND	5.8	0.58	ug/Kg	1	08/06/20	JLI	SW8260C
trans-1,2-Dichloroethene	ND	5.8	0.58	ug/Kg	1	08/06/20	JLI	SW8260C
trans-1,3-Dichloropropene	ND	5.8	0.58	ug/Kg	1	08/06/20	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	12	2.9	ug/Kg	1	08/06/20	JLI	SW8260C
Trichloroethene	ND	5.8	0.58	ug/Kg	1	08/06/20	JLI	SW8260C
Trichlorofluoromethane	ND	5.8	1.2	ug/Kg	1	08/06/20	JLI	SW8260C
Trichlorotrifluoroethane	ND	5.8	0.58	ug/Kg	1	08/06/20	JLI	SW8260C
Vinyl chloride	ND	5.8	0.58	ug/Kg	1	08/06/20	JLI	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	100			%	1	08/06/20	JLI	70 - 130 %
% Bromofluorobenzene	98			%	1	08/06/20	JLI	70 - 130 %
% Dibromofluoromethane	93			%	1	08/06/20	JLI	70 - 130 %

Ver 1

Project ID: 64 CENTRE AVE, NEW ROCHELLE NY
Client ID: 64B GRAB (14-16`)

Phoenix I.D.: CG47158

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By		
% Toluene-d8	99			%	1	08/06/20	JLI	70 - 130 %	
1,4-dioxane									
1,4-dioxane	ND	87		ug/kg	1	08/06/20	JLI	SW8260C	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	100			%	1	08/06/20	JLI	70 - 130 %	
% Bromofluorobenzene	98			%	1	08/06/20	JLI	70 - 130 %	
% Dibromofluoromethane	93			%	1	08/06/20	JLI	70 - 130 %	
% Toluene-d8	99			%	1	08/06/20	JLI	70 - 130 %	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	23		ug/Kg	1	08/06/20	JLI	SW8260C	
Acrolein	ND	1.4		ug/Kg	1	08/06/20	JLI	SW8260C	
Acrylonitrile	ND	23		ug/Kg	1	08/06/20	JLI	SW8260C	
Tert-butyl alcohol	ND	120		ug/Kg	1	08/06/20	JLI	SW8260C	
Field Extraction	Completed					08/03/20		SW5035A	1

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Volatile Comment:
To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

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

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director

August 11, 2020

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: 64B COMP (0-2`)

Lab Name: Phoenix Environmental Labs Client: EBC

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCG4714

Matrix:(soil/water) SOIL Lab Sample ID: CG47143

Sample wt/vol: 15.21 (g/mL) g Lab File ID: 0804_36.D

Level: (low/med) Low Date Received: 08/04/20

% Moisture: not dec. 16 decanted:(Y/N) NA Date Extracted: 08/05/20

GPC Cleanup (Y/N): N pH: NA Date Analyzed: 8/5/2020

Conc. Extract Volume: 1000 (uL) Dilution Factor 1

Injection Volume: 1 (uL)

Number TICs found: 3 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	2.057	420	JNA
000080-05-7	Phenol, 4,4'-(1-methylethylidene)b	8.187	620	JN
000301-02-0	9-Octadecenamide, (Z)-	8.727	770	JN

FORM I SEMIVOA-TIC

A - Indicates that the tentatively identified compound is a suspected aldol condensation product. Aldol condensation products are produced during the extraction process.
C - Indicates that the tentatively identified compound is a suspected prep artifact produced during extraction process.

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: 64B COMP (2-4`)

Lab Name: Phoenix Environmental Labs Client: EBC

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCG4714

Matrix:(soil/water) SOIL Lab Sample ID: CG47145

Sample wt/vol: 15.14 (g/mL) g Lab File ID: 0804_18.D

Level: (low/med) Low Date Received: 08/04/20

% Moisture: not dec. 13 decanted:(Y/N) NA Date Extracted: 08/05/20

GPC Cleanup (Y/N): N pH: NA Date Analyzed: 8/5/2020

Conc. Extract Volume: 1000 (uL) Dilution Factor 1

Injection Volume: 1 (uL)

Number TICs found: 2 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	1.987	580	JNA
000301-02-0	9-Octadecenamide, (Z)-	8.757	890	JN

FORM I SEMIVOA-TIC

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C - Indicates that the tentatively identified compound is a suspected prep artifact produced during extraction process.

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: 64B COMP (4-6`)

Lab Name: Phoenix Environmental Labs Client: EBC

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCG4714

Matrix:(soil/water) SOIL Lab Sample ID: CG47147

Sample wt/vol: 15.13 (g/mL) g Lab File ID: 0804_19.D

Level: (low/med) Low Date Received: 08/04/20

% Moisture: not dec. 11 decanted:(Y/N) NA Date Extracted: 08/05/20

GPC Cleanup (Y/N): N pH: NA Date Analyzed: 8/5/2020

Conc. Extract Volume: 1000 (uL) Dilution Factor 1

Injection Volume: 1 (uL)

Number TICs found: 2 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	1.981	770	JNA
000301-02-0	9-Octadecenamide, (Z)-	8.757	1100	JN

FORM I SEMIVOA-TIC

A - Indicates that the tentatively identified compound is a suspected aldol condensation product. Aldol condensation products are produced during the extraction process.
C - Indicates that the tentatively identified compound is a suspected prep artifact produced during extraction process.

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: 64B COMP (6-8`)

Lab Name: Phoenix Environmental Labs Client: EBC

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCG4714

Matrix:(soil/water) SOIL Lab Sample ID: CG47149

Sample wt/vol: 15.18 (g/mL) g Lab File ID: 0804_20.D

Level: (low/med) Low Date Received: 08/04/20

% Moisture: not dec. 11 decanted:(Y/N) NA Date Extracted: 08/05/20

GPC Cleanup (Y/N): N pH: NA Date Analyzed: 8/5/2020

Conc. Extract Volume: 1000 (uL) Dilution Factor 1

Injection Volume: 1 (uL)

Number TICs found: 2 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	1.981	620	JNA
	unknown hydrocarbon	8.757	1200	J

FORM I SEMIVOA-TIC

A - Indicates that the tentatively identified compound is a suspected aldol condensation product. Aldol condensation products are produced during the extraction process.
C - Indicates that the tentatively identified compound is a suspected prep artifact produced during extraction process.

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: 64B COMP (8-10`)

Lab Name: Phoenix Environmental Labs Client: EBC

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCG4714

Matrix:(soil/water) SOIL Lab Sample ID: CG47151

Sample wt/vol: 15.06 (g/mL) g Lab File ID: 0804_46.D

Level: (low/med) Low Date Received: 08/04/20

% Moisture: not dec. 9 decanted:(Y/N) NA Date Extracted: 08/05/20

GPC Cleanup (Y/N): N pH: NA Date Analyzed: 8/5/2020

Conc. Extract Volume: 1000 (uL) Dilution Factor 1

Injection Volume: 1 (uL)

Number TICs found: 2 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	2.460	990	JNA
000301-02-0	9-Octadecenamide, (Z)-	9.323	730	JN

FORM I SEMIVOA-TIC

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C - Indicates that the tentatively identified compound is a suspected prep artifact produced during extraction process.

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: 64B COMP (10-12`)

Lab Name: Phoenix Environmental Labs Client: EBC

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCG4714

Matrix:(soil/water) SOIL Lab Sample ID: CG47153

Sample wt/vol: 15.22 (g/mL) g Lab File ID: 0804_47.D

Level: (low/med) Low Date Received: 08/04/20

% Moisture: not dec. 10 decanted:(Y/N) NA Date Extracted: 08/05/20

GPC Cleanup (Y/N): N pH: NA Date Analyzed: 8/5/2020

Conc. Extract Volume: 1000 (uL) Dilution Factor 1

Injection Volume: 1 (uL)

Number TICs found: 2 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	2.460	720	JNA
000301-02-0	9-Octadecenamide, (Z)-	9.323	2300	JN

FORM I SEMIVOA-TIC

A - Indicates that the tentatively identified compound is a suspected aldol condensation product. Aldol condensation products are produced during the extraction process.
C - Indicates that the tentatively identified compound is a suspected prep artifact produced during extraction process.

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: 64B COMP (12-14`)

Lab Name: Phoenix Environmental Labs Client: EBC

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCG4714

Matrix:(soil/water) SOIL Lab Sample ID: CG47155

Sample wt/vol: 15.26 (g/mL) g Lab File ID: 0804_48.D

Level: (low/med) Low Date Received: 08/04/20

% Moisture: not dec. 8 decanted:(Y/N) NA Date Extracted: 08/05/20

GPC Cleanup (Y/N): N pH: NA Date Analyzed: 8/5/2020

Conc. Extract Volume: 1000 (uL) Dilution Factor 1

Injection Volume: 1 (uL)

Number TICs found: 2 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	2.466	730	JNA
000301-02-0	9-Octadecenamide, (Z)-	9.329	3000	JN

FORM I SEMIVOA-TIC

A - Indicates that the tentatively identified compound is a suspected aldol condensation product. Aldol condensation products are produced during the extraction process.
C - Indicates that the tentatively identified compound is a suspected prep artifact produced during extraction process.

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: 64B COMP (14-16`)

Lab Name: Phoenix Environmental Labs Client: EBC

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCG4714

Matrix:(soil/water) SOIL Lab Sample ID: CG47157

Sample wt/vol: 15.24 (g/mL) g Lab File ID: 0804_50.D

Level: (low/med) Low Date Received: 08/04/20

% Moisture: not dec. 11 decanted:(Y/N) NA Date Extracted: 08/05/20

GPC Cleanup (Y/N): N pH: NA Date Analyzed: 8/5/2020

Conc. Extract Volume: 1000 (uL) Dilution Factor 1

Injection Volume: 1 (uL)

Number TICs found: 2 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	2.466	370	JNA
000301-02-0	9-Octadecenamide, (Z)-	9.323	1300	JN

FORM I SEMIVOA-TIC

A - Indicates that the tentatively identified compound is a suspected aldol condensation product. Aldol condensation products are produced during the extraction process.
C - Indicates that the tentatively identified compound is a suspected prep artifact produced during extraction process.

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

QA/QC Report

August 11, 2020

QA/QC Data

SDG I.D.: GCG47143

Parameter	Blank	Blk RL	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 540114 (mg/kg), QC Sample No: CG46548 40X (CG47145, CG47147, CG47149, CG47151, CG47153, CG47155, CG47157)													
Chromium, Hexavalent - Soil													
Chromium, Hexavalent	BRL	0.40	<7.1	<7.1	NC	92.2						85 - 115	30
Chromium, Hexavalent (Ins)						110			95.7			85 - 115	30
Chromium, Hexavalent (Sol)						91.1			NC			85 - 115	30
Comment:													
The QC sample is in a reducing stateand exhibited a matrix interfernce, acceptance criteria are not applicable for samples in a reducing state. The post spike is reported for the insoulble spike.													
QA/QC Batch 540473 (mg/kg), QC Sample No: CG47139 40X (CG47143)													
Chromium, Hexavalent - Soil													
Chromium, Hexavalent	BRL	0.40	<0.42	<0.41	NC	98.4						85 - 115	30
Chromium, Hexavalent (Ins)						97.9			90.7			85 - 115	30
Chromium, Hexavalent (Sol)						101			89.0			85 - 115	30
QA/QC Batch 540105 (mg/L), QC Sample No: CG47126 (CG47143, CG47145, CG47147, CG47149, CG47151)													
Mercury - Water	BRL	0.0002	<0.0002	<0.0002	NC	84.3			85.9			80 - 120	20
Comment:													
Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%. MS acceptance range is 75-125%.													
QA/QC Batch 540110 (mg/kg), QC Sample No: CG47149 2X (CG47143, CG47145, CG47147, CG47149, CG47151, CG47153, CG47155, CG47157)													
Mercury - Soil	BRL	0.02	<0.07	<0.03	NC	81.8	92.2	12.0	77.2	77.4	0.3	70 - 130	30
Comment:													
Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%. MS acceptance range is 75-125%.													
QA/QC Batch 540131 (mg/L), QC Sample No: CG47192 (CG47153, CG47155, CG47157)													
Mercury - Water	BRL	0.0002	<0.0002	<0.0002	NC	88.5			91.1			80 - 120	20
Comment:													
Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%. MS acceptance range is 75-125%.													
QA/QC Batch 540028 (mg/kg), QC Sample No: CG47132 (CG47143, CG47145, CG47147, CG47149, CG47151, CG47153, CG47155, CG47157)													
ICP Metals - Soil													
Aluminum	BRL	5.0	16000	14900	7.10	108	107	0.9	NC			75 - 125	35
Antimony	BRL	3.3	<3.3	<3.7	NC	110	110	0.0	93.1			75 - 125	35
Arsenic	BRL	0.67	<0.65	0.80	NC	101	101	0.0	95.1			75 - 125	35
Barium	BRL	0.33	125	119	4.90	108	104	3.8	112			75 - 125	35
Beryllium	BRL	0.27	0.42	0.33	NC	102	100	2.0	95.2			75 - 125	35
Cadmium	BRL	0.33	1.06	0.91	NC	99.8	98.8	1.0	94.3			75 - 125	35
Calcium	BRL	5.0	1030	1160	11.9	99.3	101	1.7	NC			75 - 125	35
Chromium	BRL	0.33	40.0	41.3	3.20	101	98.6	2.4	95.5			75 - 125	35
Cobalt	BRL	0.33	13.7	12.9	6.00	101	101	0.0	94.8			75 - 125	35
Copper	BRL	0.67	23.7	21.1	11.6	98.5	97.7	0.8	96.1			75 - 125	35
Iron	7.1	5.0	31400	26000	18.8	79.1	79.6	0.6	NC			75 - 125	35

QA/QC Data

SDG I.D.: GCG47143

Parameter	Blank	Blk RL	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Lead	BRL	0.33	5.8	7.61	27.0	98.6	99.0	0.4	94.7			75 - 125	35	
Magnesium	BRL	5.0	5760	5470	5.20	106	106	0.0	NC			75 - 125	35	
Manganese	BRL	0.33	381	345	9.90	96.7	96.5	0.2	>130			75 - 125	35	m
Molybdenum	BRL	0.33	0.64	0.47	NC	104	103	1.0	90.0			75 - 125	35	
Nickel	BRL	0.33	24.0	22.5	6.50	102	101	1.0	96.3			75 - 125	35	
Potassium	5.0	5.0	7690	7240	6.00	116	116	0.0	NC			75 - 125	35	
Selenium	BRL	1.3	<1.3	<1.5	NC	101	101	0.0	94.5			75 - 125	35	
Silver	BRL	0.33	<0.33	<0.37	NC	99.2	95.4	3.9	93.9			75 - 125	35	
Sodium	5.8	5.0	139	131	5.90	97.9	96.6	1.3	126			75 - 125	35	m
Thallium	BRL	3.0	<1.3	<3.3	NC	102	102	0.0	91.5			75 - 125	35	
Vanadium	BRL	0.33	45.4	41.2	9.70	104	104	0.0	93.1			75 - 125	35	
Zinc	BRL	0.67	65.9	69.1	4.70	102	100	2.0	90.1			75 - 125	35	

Comment:

Additional Criteria: LCS acceptance range is 80-120% MS acceptance range 75-125%.

QA/QC Batch 540132 (mg/L), QC Sample No: CG47191 (CG47143, CG47145, CG47147, CG47149, CG47151, CG47153, CG47155, CG47157)

ICP Metals - TCLP Extraction

Arsenic	BRL	0.05	<0.01	<0.01	NC	99.9	99.9	0.0	116			80 - 120	20	
Barium	BRL	0.01	0.55	0.54	1.80	102	102	0.0	105			80 - 120	20	
Cadmium	BRL	0.005	<0.004	<0.005	NC	98.6	98.3	0.3	97.8			80 - 120	20	
Chromium	BRL	0.010	<0.010	<0.010	NC	100	100	0.0	101			80 - 120	20	
Copper	BRL	0.010	0.012	0.012	NC	112	112	0.0	109			80 - 120	20	
Lead	BRL	0.010	0.014	0.013	NC	104	104	0.0	90.0			80 - 120	20	
Nickel	BRL	0.010	<0.010	<0.010	NC	105	105	0.0	93.3			80 - 120	20	
Selenium	BRL	0.01	<0.04	<0.01	NC	102	103	1.0	119			80 - 120	20	
Silver	BRL	0.010	<0.005	<0.010	NC	106	107	0.9	114			80 - 120	20	
Zinc	BRL	0.010	0.072	0.078	8.00	99.5	99.3	0.2	104			80 - 120	20	

Comment:

Additional Criteria: LCS acceptance range is 80-120% MS acceptance range 75-125%.

m = This parameter is outside laboratory MS/MSD specified recovery limits.

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

NY # 11301

QA/QC Report

August 11, 2020

QA/QC Data

SDG I.D.: GCG47143

Parameter	Blank	Blk RL	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 540417 (mg/Kg), QC Sample No: CG47098 50X (CG47143, CG47145, CG47147, CG47149, CG47151, CG47153, CG47155, CG47157)													
Total Cyanide (SW9010C Distill.)	BRL	0.50	<0.52	<0.52	NC	106			101			80 - 120	30
Comment:													
Additional: LCS acceptance range is 80-120% for soils MS acceptance range 75-125% for soils													
QA/QC Batch 540130 (mg/Kg), QC Sample No: CG47139 4.43X (CG47143, CG47145, CG47147, CG47149, CG47151, CG47153, CG47155, CG47157)													
Reactivity Cyanide	BRL	4	<5	<5.0	NC	100						85 - 115	30
Reactivity Sulfide	BRL	20	<20	<20	NC	0						80 - 120	30 I
QA/QC Batch 540093 (PH), QC Sample No: CG47121 (CG47143, CG47145, CG47147, CG47149, CG47151, CG47153, CG47155, CG47157)													
pH at 25C - Soil			8.37	8.36	0.10	101						85 - 115	20
QA/QC Batch 540530 (Degree F), QC Sample No: CG48043 (CG47143, CG47145, CG47147, CG47149, CG47151, CG47153, CG47155, CG47157)													
Flash Point			>200	>200	NC	94.8						75 - 125	30
Comment:													
Additional criteria matrix spike acceptance range is 75-125%.													

I = This parameter is outside laboratory LCS/LCSD specified recovery limits.

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

QA/QC Report

August 11, 2020

QA/QC Data

SDG I.D.: GCG47143

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 540036 (mg/kg), QC Sample No: CG47540 (CG47143, CG47145, CG47147, CG47149, CG47151, CG47153)											
Extractable Petroleum Hydrocarbons - Soil											
Total EPH (C9-C40)	ND	10	71	80	11.9	70	75	6.9	40 - 140	30	
C9 - Nonane	ND	3.3	56	70	22.2	52	58	10.9	40 - 140	30	
C10 - Decane	ND	3.3	53	64	18.8	50	58	14.8	40 - 140	30	
C12 - Dodecane	ND	3.3	60	70	15.4	59	67	12.7	40 - 140	30	
C14 - Tetradecane	ND	3.3	65	74	12.9	69	69	0.0	40 - 140	30	
C16 - Hexadecane	ND	3.3	66	75	12.8	75	72	4.1	40 - 140	30	
C18 - Octadecane	ND	3.3	68	76	11.1	75	74	1.3	40 - 140	30	
C20 - Eicosane	ND	3.3	67	75	11.3	58	72	21.5	40 - 140	30	
C21 - Heneicosane	ND	3.3	57	61	6.8	58	59	1.7	40 - 140	30	
C22 - Docosane	ND	3.3	66	74	11.4	57	60	5.1	40 - 140	30	
C24 - Tetracosane	ND	3.3	58	63	8.3	57	60	5.1	40 - 140	30	
C26 - Hexacosane	ND	3.3	59	65	9.7	59	62	5.0	40 - 140	30	
C28 - Octacosane	ND	3.3	62	73	16.3	62	65	4.7	40 - 140	30	
C30 - Tricotane	ND	3.3	62	68	9.2	63	66	4.7	40 - 140	30	
C32 - Dotriacontance	ND	3.3	61	67	9.4	61	65	6.3	40 - 140	30	
C34 - Tetratriacontane	ND	3.3	63	70	10.5	64	67	4.6	40 - 140	30	
C36 - Hexatriacontane	ND	3.3	63	70	10.5	63	69	9.1	40 - 140	30	
C38 - Octatriacontane	ND	3.3	64	72	11.8	66	67	1.5	40 - 140	30	
C40 - Tetracontane	ND	3.3	63	70	10.5	64	68	6.1	40 - 140	30	
% Terphenyl (surr)	54	%	53	59	10.7	53	56	5.5	40 - 140	30	
% COD (surr)	48	%	64	75	15.8	66	71	7.3	40 - 140	30	
Comment:											
Additional EPH fractionation criteria: Breakthrough criteria (BT) is 0 to 5%											
QA/QC Batch 540176 (mg/kg), QC Sample No: CG48045 (CG47155, CG47157)											
Extractable Petroleum Hydrocarbons - Soil											
Total EPH (C9-C40)	ND	10	58	56	3.5	58	46	23.1	40 - 140	30	
C9 - Nonane	ND	3.3	45	46	2.2	38	20	62.1	40 - 140	30	m,r
C10 - Decane	ND	3.3	37	38	2.7	34	22	42.9	40 - 140	30	l,m,r
C12 - Dodecane	ND	3.3	44	43	2.3	49	40	20.2	40 - 140	30	
C14 - Tetradecane	ND	3.3	52	50	3.9	56	47	17.5	40 - 140	30	
C16 - Hexadecane	ND	3.3	54	52	3.8	58	49	16.8	40 - 140	30	
C18 - Octadecane	ND	3.3	56	54	3.6	62	52	17.5	40 - 140	30	
C20 - Eicosane	ND	3.3	56	54	3.6	59	50	16.5	40 - 140	30	
C21 - Heneicosane	ND	3.3	50	49	2.0	47	39	18.6	40 - 140	30	m
C22 - Docosane	ND	3.3	56	52	7.4	53	44	18.6	40 - 140	30	
C24 - Tetracosane	ND	3.3	49	48	2.1	46	38	19.0	40 - 140	30	m
C26 - Hexacosane	ND	3.3	50	48	4.1	45	38	16.9	40 - 140	30	m
C28 - Octacosane	ND	3.3	52	50	3.9	54	43	22.7	40 - 140	30	
C30 - Tricotane	ND	3.3	52	50	3.9	49	43	13.0	40 - 140	30	
C32 - Dotriacontance	ND	3.3	51	49	4.0	49	40	20.2	40 - 140	30	

QA/QC Data

SDG I.D.: GCG47143

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
C34 - Tetratriacontane	ND	3.3	53	51	3.8	52	42	21.3	40 - 140	30	
C36 - Hexatriacontane	ND	3.3	52	50	3.9	51	42	19.4	40 - 140	30	
C38 - Octatriacontane	ND	3.3	49	53	7.8	50	41	19.8	40 - 140	30	
C40 - Tetracontane	ND	3.3	54	53	1.9	60	43	33.0	40 - 140	30	r
% Terphenyl (surr)	58	%	53	51	3.8	56	45	21.8	40 - 140	30	
% COD (surr)	52	%	61	57	6.8	76	61	21.9	40 - 140	30	

Comment:

Additional EPH fractionation criteria: Breakthrough criteria (BT) is 0 to 5%

QA/QC Batch 540011 (ug/Kg), QC Sample No: CG47135 10X (CG47143, CG47145, CG47147, CG47149, CG47151, CG47153)

Chlorinated Herbicides - Soil

2,4,5-T	ND	83	63	60	4.9	63	69	9.1	40 - 140	30	
2,4,5-TP (Silvex)	ND	83	66	63	4.7	67	72	7.2	40 - 140	30	
2,4-D	ND	170	66	62	6.3	67	72	7.2	40 - 140	30	
2,4-DB	ND	1700	58	56	3.5	59	65	9.7	40 - 140	30	
Dalapon	ND	83	66	60	9.5	67	68	1.5	40 - 140	30	
Dicamba	ND	83	67	56	17.9	67	72	7.2	40 - 140	30	
Dichloroprop	ND	83	80	75	6.5	81	87	7.1	40 - 140	30	
Dinoseb	ND	83	59	57	3.4	61	68	10.9	40 - 140	30	
% DCAA (Surrogate Rec)	56	%	58	53	9.0	59	63	6.6	30 - 150	30	
% DCAA (Surrogate Rec) (Confirm	58	%	58	55	5.3	59	62	5.0	30 - 150	30	

Comment:

Additional criteria: LCS acceptance range is 40-140% MS acceptance range 30-150%.

QA/QC Batch 540202 (ug/Kg), QC Sample No: CG47157 10X (CG47155, CG47157)

Chlorinated Herbicides - Soil

2,4,5-T	ND	83	73			71	73	2.8	40 - 140	30	
2,4,5-TP (Silvex)	ND	83	72			72	74	2.7	40 - 140	30	
2,4-D	ND	170	72			70	77	9.5	40 - 140	30	
2,4-DB	ND	1700	64			62	65	4.7	40 - 140	30	
Dalapon	ND	83	51			54	62	13.8	40 - 140	30	
Dicamba	ND	83	73			74	74	0.0	40 - 140	30	
Dichloroprop	ND	83	85			84	85	1.2	40 - 140	30	
Dinoseb	ND	83	69			64	71	10.4	40 - 140	30	
% DCAA (Surrogate Rec)	58	%	60			60	61	1.7	30 - 150	30	
% DCAA (Surrogate Rec) (Confirm	57	%	60			59	60	1.7	30 - 150	30	

Comment:

This batch consists of a Blank, LCS, MS and MSD.

Additional criteria: LCS acceptance range is 40-140% MS acceptance range 30-150%.

QA/QC Batch 540024 (ug/Kg), QC Sample No: CG47141 2X (CG47143)

Polychlorinated Biphenyls - Soil

PCB-1016	ND	33	87	70	21.7	65			40 - 140	30	
PCB-1221	ND	33							40 - 140	30	
PCB-1232	ND	33							40 - 140	30	
PCB-1242	ND	33							40 - 140	30	
PCB-1248	ND	33							40 - 140	30	
PCB-1254	ND	33							40 - 140	30	
PCB-1260	ND	33	90	72	22.2	72			40 - 140	30	
PCB-1262	ND	33							40 - 140	30	
PCB-1268	ND	33							40 - 140	30	
% DCBP (Surrogate Rec)	99	%	103	80	25.1	84			30 - 150	30	
% DCBP (Surrogate Rec) (Confirm	91	%	94	86	8.9	93			30 - 150	30	

QA/QC Data

SDG I.D.: GCG47143

Parameter	Blank	Blk RL		LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
% TCMX (Surrogate Rec)	92	%		93	80	15.0	71			30 - 150	30
% TCMX (Surrogate Rec) (Confirm	94	%		97	86	12.0	79			30 - 150	30
Comment:											
This batch consists of a Blank, LCS, LCSD and MS,											
QA/QC Batch 539988 (ug/Kg), QC Sample No: CG47155 2X (CG47145, CG47147, CG47149, CG47151, CG47153, CG47155, CG47157)											
Polychlorinated Biphenyls - Soil											
PCB-1016	ND	33		100	89	11.6	76	73	4.0	40 - 140	30
PCB-1221	ND	33								40 - 140	30
PCB-1232	ND	33								40 - 140	30
PCB-1242	ND	33								40 - 140	30
PCB-1248	ND	33								40 - 140	30
PCB-1254	ND	33								40 - 140	30
PCB-1260	ND	33		104	94	10.1	81	77	5.1	40 - 140	30
PCB-1262	ND	33								40 - 140	30
PCB-1268	ND	33								40 - 140	30
% DCBP (Surrogate Rec)	94	%		107	110	2.8	95	89	6.5	30 - 150	30
% DCBP (Surrogate Rec) (Confirm	85	%		121	113	6.8	98	93	5.2	30 - 150	30
% TCMX (Surrogate Rec)	82	%		108	102	5.7	85	84	1.2	30 - 150	30
% TCMX (Surrogate Rec) (Confirm	84	%		102	111	8.5	92	91	1.1	30 - 150	30
QA/QC Batch 540026 (ug/Kg), QC Sample No: CG47141 2X (CG47143)											
Pesticides - Soil											
4,4' -DDD	ND	1.7		55	63	13.6	41	37	10.3	40 - 140	30
4,4' -DDE	ND	1.7		50	59	16.5	40	36	10.5	40 - 140	30
4,4' -DDT	ND	1.7		47	53	12.0	35	31	12.1	40 - 140	30
a-BHC	ND	1.0		51	56	9.3	32	31	3.2	40 - 140	30
a-Chlordane	ND	3.3		53	59	10.7	38	35	8.2	40 - 140	30
Aldrin	ND	1.0		53	57	7.3	34	31	9.2	40 - 140	30
b-BHC	ND	1.0		58	64	9.8	43	43	0.0	40 - 140	30
Chlordane	ND	33		50	57	13.1	37	34	8.5	40 - 140	30
d-BHC	ND	3.3		50	57	13.1	36	32	11.8	40 - 140	30
Dieldrin	ND	1.0		52	59	12.6	38	34	11.1	40 - 140	30
Endosulfan I	ND	3.3		57	62	8.4	37	34	8.5	40 - 140	30
Endosulfan II	ND	3.3		54	62	13.8	40	36	10.5	40 - 140	30
Endosulfan sulfate	ND	3.3		57	63	10.0	37	34	8.5	40 - 140	30
Endrin	ND	3.3		52	59	12.6	38	35	8.2	40 - 140	30
Endrin aldehyde	ND	3.3		52	58	10.9	38	34	11.1	40 - 140	30
Endrin ketone	ND	3.3		60	69	14.0	46	41	11.5	40 - 140	30
g-BHC	ND	1.0		54	57	5.4	34	32	6.1	40 - 140	30
g-Chlordane	ND	3.3		50	57	13.1	37	34	8.5	40 - 140	30
Heptachlor	ND	3.3		51	56	9.3	34	30	12.5	40 - 140	30
Heptachlor epoxide	ND	3.3		53	60	12.4	39	35	10.8	40 - 140	30
Methoxychlor	ND	3.3		53	59	10.7	39	35	10.8	40 - 140	30
Toxaphene	ND	130		NA	NA	NC	NA	NA	NC	40 - 140	30
% DCBP	56	%		62	66	6.3	46	43	6.7	30 - 150	30
% DCBP (Confirmation)	67	%		74	80	7.8	57	51	11.1	30 - 150	30
% TCMX	47	%		55	55	0.0	32	31	3.2	30 - 150	30
% TCMX (Confirmation)	51	%		60	59	1.7	36	35	2.8	30 - 150	30

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 539990 (ug/Kg), QC Sample No: CG47155 2X (CG47145, CG47147, CG47149, CG47151, CG47153, CG47155, CG47157)										
Pesticides - Soil										
4,4' -DDD	ND	1.7	70	71	1.4	53	59	10.7	40 - 140	30
4,4' -DDE	ND	1.7	63	65	3.1	47	53	12.0	40 - 140	30
4,4' -DDT	ND	1.7	62	63	1.6	47	53	12.0	40 - 140	30
a-BHC	ND	1.0	51	56	9.3	42	44	4.7	40 - 140	30
a-Chlordane	ND	3.3	59	60	1.7	44	50	12.8	40 - 140	30
Aldrin	ND	1.0	55	58	5.3	45	48	6.5	40 - 140	30
b-BHC	ND	1.0	64	67	4.6	51	56	9.3	40 - 140	30
Chlordane	ND	33	59	61	3.3	45	51	12.5	40 - 140	30
d-BHC	ND	3.3	62	65	4.7	48	55	13.6	40 - 140	30
Dieldrin	ND	1.0	61	63	3.2	50	55	9.5	40 - 140	30
Endosulfan I	ND	3.3	61	64	4.8	48	54	11.8	40 - 140	30
Endosulfan II	ND	3.3	67	69	2.9	52	57	9.2	40 - 140	30
Endosulfan sulfate	ND	3.3	72	73	1.4	55	61	10.3	40 - 140	30
Endrin	ND	3.3	63	64	1.6	49	54	9.7	40 - 140	30
Endrin aldehyde	ND	3.3	63	64	1.6	41	42	2.4	40 - 140	30
Endrin ketone	ND	3.3	67	68	1.5	47	57	19.2	40 - 140	30
g-BHC	ND	1.0	51	54	5.7	41	44	7.1	40 - 140	30
g-Chlordane	ND	3.3	59	61	3.3	45	51	12.5	40 - 140	30
Heptachlor	ND	3.3	52	55	5.6	43	46	6.7	40 - 140	30
Heptachlor epoxide	ND	3.3	61	63	3.2	47	52	10.1	40 - 140	30
Methoxychlor	ND	3.3	64	63	1.6	50	54	7.7	40 - 140	30
Toxaphene	ND	130	NA	NA	NC	NA	NA	NC	40 - 140	30
% DCBP	67	%	66	66	0.0	50	56	11.3	30 - 150	30
% DCBP (Confirmation)	65	%	67	68	1.5	52	58	10.9	30 - 150	30
% TCMX	47	%	47	50	6.2	40	43	7.2	30 - 150	30
% TCMX (Confirmation)	49	%	48	52	8.0	41	46	11.5	30 - 150	30
QA/QC Batch 540037 (ug/kg), QC Sample No: CG47128 (CG47143, CG47145, CG47147, CG47149)										
Semivolatiles - Soil										
1,1-Biphenyl	ND	230	80	86	7.2	76	78	2.6	40 - 140	30
1,2,4,5-Tetrachlorobenzene	ND	230	71	75	5.5	68	74	8.5	40 - 140	30
1,2,4-Trichlorobenzene	ND	230	75	73	2.7	67	72	7.2	40 - 140	30
1,2-Dichlorobenzene	ND	180	70	69	1.4	60	63	4.9	40 - 140	30
1,2-Diphenylhydrazine	ND	230	90	90	0.0	77	81	5.1	40 - 140	30
1,3-Dichlorobenzene	ND	230	66	66	0.0	58	61	5.0	40 - 140	30
1,4-Dichlorobenzene	ND	230	67	69	2.9	60	62	3.3	40 - 140	30
2,4,5-Trichlorophenol	ND	230	92	97	5.3	83	87	4.7	40 - 140	30
2,4,6-Trichlorophenol	ND	130	93	99	6.3	87	88	1.1	30 - 130	30
2,4-Dichlorophenol	ND	130	82	83	1.2	77	81	5.1	30 - 130	30
2,4-Dimethylphenol	ND	230	87	93	6.7	70	79	12.1	30 - 130	30
2,4-Dinitrophenol	ND	230	58	71	20.2	76	81	6.4	30 - 130	30
2,4-Dinitrotoluene	ND	130	96	96	0.0	79	85	7.3	30 - 130	30
2,6-Dinitrotoluene	ND	130	95	97	2.1	78	86	9.8	40 - 140	30
2-Chloronaphthalene	ND	230	87	91	4.5	81	81	0.0	40 - 140	30
2-Chlorophenol	ND	230	79	80	1.3	73	77	5.3	30 - 130	30
2-Methylnaphthalene	ND	230	77	78	1.3	71	77	8.1	40 - 140	30
2-Methylphenol (o-cresol)	ND	230	85	89	4.6	76	80	5.1	40 - 140	30
2-Nitroaniline	ND	330	156	150	3.9	124	130	4.7	40 - 140	30
2-Nitrophenol	ND	230	98	96	2.1	84	92	9.1	40 - 140	30
3&4-Methylphenol (m&p-cresol)	ND	230	87	95	8.8	82	89	8.2	30 - 130	30

QA/QC Data

SDG I.D.: GCG47143

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
3,3'-Dichlorobenzidine	ND	130	111	113	1.8	89	90	1.1	40 - 140	30	
3-Nitroaniline	ND	330	107	107	0.0	93	92	1.1	40 - 140	30	
4,6-Dinitro-2-methylphenol	ND	230	77	87	12.2	79	84	6.1	30 - 130	30	
4-Bromophenyl phenyl ether	ND	230	88	93	5.5	81	88	8.3	40 - 140	30	
4-Chloro-3-methylphenol	ND	230	93	94	1.1	84	89	5.8	30 - 130	30	
4-Chloroaniline	ND	230	90	88	2.2	79	81	2.5	40 - 140	30	
4-Chlorophenyl phenyl ether	ND	230	95	99	4.1	84	88	4.7	40 - 140	30	
4-Nitroaniline	ND	230	99	99	0.0	83	90	8.1	40 - 140	30	
4-Nitrophenol	ND	230	114	111	2.7	96	101	5.1	30 - 130	30	
Acenaphthene	ND	230	87	92	5.6	78	82	5.0	30 - 130	30	
Acenaphthylene	ND	130	87	90	3.4	77	80	3.8	40 - 140	30	
Acetophenone	ND	230	74	77	4.0	69	75	8.3	40 - 140	30	
Aniline	ND	330	69	70	1.4	54	55	1.8	40 - 140	30	
Anthracene	ND	230	92	98	6.3	85	89	4.6	40 - 140	30	
Atrazine	ND	130	73	78	6.6	65	70	7.4	40 - 140	30	
Benz(a)anthracene	ND	230	94	98	4.2	83	86	3.6	40 - 140	30	
Benzaldehyde	ND	230	30	33	9.5	71	61	15.2	40 - 140	30	l
Benzidine	ND	330	78	82	5.0	<10	<10	NC	40 - 140	30	m
Benzo(a)pyrene	ND	130	95	96	1.0	83	88	5.8	40 - 140	30	
Benzo(b)fluoranthene	ND	160	111	111	0.0	95	94	1.1	40 - 140	30	
Benzo(ghi)perylene	ND	230	92	96	4.3	79	85	7.3	40 - 140	30	
Benzo(k)fluoranthene	ND	230	71	69	2.9	61	59	3.3	40 - 140	30	
Benzoic Acid	ND	670	72	77	6.7	81	83	2.4	30 - 130	30	
Benzyl butyl phthalate	ND	230	99	101	2.0	81	82	1.2	40 - 140	30	
Bis(2-chloroethoxy)methane	ND	230	77	78	1.3	70	76	8.2	40 - 140	30	
Bis(2-chloroethyl)ether	ND	130	73	69	5.6	62	66	6.3	40 - 140	30	
Bis(2-ethylhexyl)phthalate	ND	230	96	95	1.0	85	84	1.2	40 - 140	30	
Caprolactam	ND	230	82	82	0.0	72	79	9.3	40 - 140	30	
Carbazole	ND	230	93	98	5.2	81	88	8.3	40 - 140	30	
Chrysene	ND	230	90	94	4.3	79	84	6.1	40 - 140	30	
Dibenz(a,h)anthracene	ND	130	95	99	4.1	81	87	7.1	40 - 140	30	
Dibenzofuran	ND	230	87	90	3.4	78	79	1.3	40 - 140	30	
Diethyl phthalate	ND	230	96	96	0.0	81	87	7.1	40 - 140	30	
Dimethylphthalate	ND	230	92	94	2.2	81	87	7.1	40 - 140	30	
Di-n-butylphthalate	ND	670	109	111	1.8	90	84	6.9	40 - 140	30	
Di-n-octylphthalate	ND	230	104	108	3.8	102	95	7.1	40 - 140	30	
Fluoranthene	ND	230	94	97	3.1	78	80	2.5	40 - 140	30	
Fluorene	ND	230	96	97	1.0	84	89	5.8	40 - 140	30	
Hexachlorobenzene	ND	130	98	104	5.9	85	92	7.9	40 - 140	30	
Hexachlorobutadiene	ND	230	78	76	2.6	69	74	7.0	40 - 140	30	
Hexachlorocyclopentadiene	ND	230	71	76	6.8	66	73	10.1	40 - 140	30	
Hexachloroethane	ND	130	72	73	1.4	64	67	4.6	40 - 140	30	
Indeno(1,2,3-cd)pyrene	ND	230	95	97	2.1	79	85	7.3	40 - 140	30	
Isophorone	ND	130	75	74	1.3	66	72	8.7	40 - 140	30	
Naphthalene	ND	230	79	77	2.6	71	75	5.5	40 - 140	30	
Nitrobenzene	ND	130	79	80	1.3	73	80	9.2	40 - 140	30	
N-Nitrosodimethylamine	ND	230	46	50	8.3	40	41	2.5	40 - 140	30	
N-Nitrosodi-n-propylamine	ND	130	77	80	3.8	71	78	9.4	40 - 140	30	
N-Nitrosodiphenylamine	ND	130	93	92	1.1	77	80	3.8	40 - 140	30	
Pentachloronitrobenzene	ND	230	94	102	8.2	83	91	9.2	40 - 140	30	
Pentachlorophenol	ND	230	86	89	3.4	80	80	0.0	30 - 130	30	
Phenanthrene	ND	130	89	96	7.6	82	87	5.9	40 - 140	30	
Phenol	ND	230	81	84	3.6	75	80	6.5	30 - 130	30	

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Pyrene	ND	230	97	99	2.0	73	74	1.4	30 - 130	30	
Pyridine	ND	230	40	42	4.9	36	34	5.7	40 - 140	30	m
% 2,4,6-Tribromophenol	102	%	111	113	1.8	96	100	4.1	30 - 130	30	
% 2-Fluorobiphenyl	69	%	78	81	3.8	69	73	5.6	30 - 130	30	
% 2-Fluorophenol	66	%	75	75	0.0	66	69	4.4	30 - 130	30	
% Nitrobenzene-d5	72	%	73	74	1.4	66	72	8.7	30 - 130	30	
% Phenol-d5	71	%	78	79	1.3	71	77	8.1	30 - 130	30	
% Terphenyl-d14	85	%	100	102	2.0	73	72	1.4	30 - 130	30	

Comment:

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

QA/QC Batch 540038 (ug/kg), QC Sample No: CG47369 (CG47151, CG47153, CG47155, CG47157)

Semivolatiles - Soil

1,1-Biphenyl	ND	230	83	76	8.8	76	75	1.3	40 - 140	30	
1,2,4,5-Tetrachlorobenzene	ND	230	80	73	9.2	76	75	1.3	40 - 140	30	
1,2,4-Trichlorobenzene	ND	230	83	75	10.1	77	77	0.0	40 - 140	30	
1,2-Dichlorobenzene	ND	180	76	71	6.8	73	71	2.8	40 - 140	30	
1,2-Diphenylhydrazine	ND	230	84	80	4.9	80	77	3.8	40 - 140	30	
1,3-Dichlorobenzene	ND	230	74	68	8.5	71	67	5.8	40 - 140	30	
1,4-Dichlorobenzene	ND	230	76	71	6.8	73	69	5.6	40 - 140	30	
2,4,5-Trichlorophenol	ND	230	93	86	7.8	88	88	0.0	40 - 140	30	
2,4,6-Trichlorophenol	ND	130	96	87	9.8	91	91	0.0	30 - 130	30	
2,4-Dichlorophenol	ND	130	93	83	11.4	86	88	2.3	30 - 130	30	
2,4-Dimethylphenol	ND	230	93	87	6.7	85	86	1.2	30 - 130	30	
2,4-Dinitrophenol	ND	230	74	61	19.3	91	90	1.1	30 - 130	30	
2,4-Dinitrotoluene	ND	130	94	89	5.5	92	90	2.2	30 - 130	30	
2,6-Dinitrotoluene	ND	130	94	87	7.7	89	87	2.3	40 - 140	30	
2-Chloronaphthalene	ND	230	88	83	5.8	80	80	0.0	40 - 140	30	
2-Chlorophenol	ND	230	89	80	10.7	84	85	1.2	30 - 130	30	
2-Methylnaphthalene	ND	230	84	77	8.7	80	80	0.0	40 - 140	30	
2-Methylphenol (o-cresol)	ND	230	90	83	8.1	85	88	3.5	40 - 140	30	
2-Nitroaniline	ND	330	126	115	9.1	120	116	3.4	40 - 140	30	
2-Nitrophenol	ND	230	90	81	10.5	84	85	1.2	40 - 140	30	
3&4-Methylphenol (m&p-cresol)	ND	230	93	86	7.8	91	91	0.0	30 - 130	30	
3,3'-Dichlorobenzidine	ND	130	87	82	5.9	93	93	0.0	40 - 140	30	
3-Nitroaniline	ND	330	104	96	8.0	98	95	3.1	40 - 140	30	
4,6-Dinitro-2-methylphenol	ND	230	86	75	13.7	92	91	1.1	30 - 130	30	
4-Bromophenyl phenyl ether	ND	230	89	80	10.7	86	82	4.8	40 - 140	30	
4-Chloro-3-methylphenol	ND	230	98	89	9.6	94	96	2.1	30 - 130	30	
4-Chloroaniline	ND	230	85	80	6.1	80	79	1.3	40 - 140	30	
4-Chlorophenyl phenyl ether	ND	230	89	84	5.8	85	83	2.4	40 - 140	30	
4-Nitroaniline	ND	230	92	86	6.7	88	87	1.1	40 - 140	30	
4-Nitrophenol	ND	230	101	91	10.4	99	96	3.1	30 - 130	30	
Acenaphthene	ND	230	92	84	9.1	85	84	1.2	30 - 130	30	
Acenaphthylene	ND	130	86	79	8.5	79	78	1.3	40 - 140	30	
Acetophenone	ND	230	80	73	9.2	76	77	1.3	40 - 140	30	
Aniline	ND	330	75	72	4.1	72	72	0.0	40 - 140	30	
Anthracene	ND	230	88	81	8.3	85	81	4.8	40 - 140	30	
Atrazine	ND	130	75	70	6.9	72	69	4.3	40 - 140	30	
Benz(a)anthracene	ND	230	89	83	7.0	86	84	2.4	40 - 140	30	
Benzaldehyde	ND	230	46	43	6.7	69	63	9.1	40 - 140	30	
Benzidine	ND	330	76	68	11.1	37	38	2.7	40 - 140	30	m

QA/QC Data

SDG I.D.: GCG47143

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Benzo(a)pyrene	ND	130	84	78	7.4	80	78	2.5	40 - 140	30
Benzo(b)fluoranthene	ND	160	102	93	9.2	95	93	2.1	40 - 140	30
Benzo(ghi)perylene	ND	230	84	78	7.4	80	78	2.5	40 - 140	30
Benzo(k)fluoranthene	ND	230	62	61	1.6	61	60	1.7	40 - 140	30
Benzoic Acid	ND	670	44	46	4.4	67	58	14.4	30 - 130	30
Benzyl butyl phthalate	ND	230	94	88	6.6	91	89	2.2	40 - 140	30
Bis(2-chloroethoxy)methane	ND	230	87	81	7.1	83	82	1.2	40 - 140	30
Bis(2-chloroethyl)ether	ND	130	74	67	9.9	72	69	4.3	40 - 140	30
Bis(2-ethylhexyl)phthalate	ND	230	93	88	5.5	91	89	2.2	40 - 140	30
Caprolactam	ND	230	87	80	8.4	91	88	3.4	40 - 140	30
Carbazole	ND	230	90	83	8.1	89	85	4.6	40 - 140	30
Chrysene	ND	230	90	84	6.9	86	84	2.4	40 - 140	30
Dibenz(a,h)anthracene	ND	130	84	80	4.9	81	79	2.5	40 - 140	30
Dibenzofuran	ND	230	88	79	10.8	81	79	2.5	40 - 140	30
Diethyl phthalate	ND	230	91	85	6.8	87	83	4.7	40 - 140	30
Dimethylphthalate	ND	230	93	87	6.7	87	85	2.3	40 - 140	30
Di-n-butylphthalate	ND	670	95	89	6.5	92	88	4.4	40 - 140	30
Di-n-octylphthalate	ND	230	95	88	7.7	93	90	3.3	40 - 140	30
Fluoranthene	ND	230	89	81	9.4	86	80	7.2	40 - 140	30
Fluorene	ND	230	88	81	8.3	83	81	2.4	40 - 140	30
Hexachlorobenzene	ND	130	94	84	11.2	87	83	4.7	40 - 140	30
Hexachlorobutadiene	ND	230	82	76	7.6	77	75	2.6	40 - 140	30
Hexachlorocyclopentadiene	ND	230	70	62	12.1	68	66	3.0	40 - 140	30
Hexachloroethane	ND	130	76	72	5.4	73	68	7.1	40 - 140	30
Indeno(1,2,3-cd)pyrene	ND	230	82	76	7.6	78	76	2.6	40 - 140	30
Isophorone	ND	130	78	73	6.6	74	73	1.4	40 - 140	30
Naphthalene	ND	230	81	75	7.7	76	76	0.0	40 - 140	30
Nitrobenzene	ND	130	82	76	7.6	80	79	1.3	40 - 140	30
N-Nitrosodimethylamine	ND	230	68	55	21.1	61	55	10.3	40 - 140	30
N-Nitrosodi-n-propylamine	ND	130	85	78	8.6	80	81	1.2	40 - 140	30
N-Nitrosodiphenylamine	ND	130	92	84	9.1	87	84	3.5	40 - 140	30
Pentachloronitrobenzene	ND	230	84	78	7.4	80	79	1.3	40 - 140	30
Pentachlorophenol	ND	230	88	76	14.6	88	92	4.4	30 - 130	30
Phenanthrene	ND	130	88	82	7.1	84	82	2.4	40 - 140	30
Phenol	ND	230	91	82	10.4	88	88	0.0	30 - 130	30
Pyrene	ND	230	89	82	8.2	87	82	5.9	30 - 130	30
Pyridine	ND	230	60	56	6.9	57	50	13.1	40 - 140	30
% 2,4,6-Tribromophenol	89	%	91	82	10.4	85	89	4.6	30 - 130	30
% 2-Fluorobiphenyl	80	%	79	74	6.5	73	72	1.4	30 - 130	30
% 2-Fluorophenol	78	%	83	73	12.8	81	78	3.8	30 - 130	30
% Nitrobenzene-d5	76	%	75	70	6.9	74	73	1.4	30 - 130	30
% Phenol-d5	82	%	85	78	8.6	82	83	1.2	30 - 130	30
% Terphenyl-d14	90	%	93	86	7.8	91	85	6.8	30 - 130	30

Comment:

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

QA/QC Batch 540332 (ug/kg), QC Sample No: CG47912 (CG47144, CG47146, CG47148, CG47150, CG47152, CG47154, CG47156, CG47158)

Volatiles - Soil (Low Level)

1,1,1,2-Tetrachloroethane	ND	5.0	85	87	2.3				70 - 130	30
1,1,1-Trichloroethane	ND	5.0	83	84	1.2				70 - 130	30
1,1,2,2-Tetrachloroethane	ND	3.0	84	87	3.5				70 - 130	30

QA/QC Data

SDG I.D.: GCG47143

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
1,1,2-Trichloroethane	ND	5.0	83	84	1.2				70 - 130	30
1,1-Dichloroethane	ND	5.0	84	85	1.2				70 - 130	30
1,1-Dichloroethene	ND	5.0	93	91	2.2				70 - 130	30
1,1-Dichloropropene	ND	5.0	94	95	1.1				70 - 130	30
1,2,3-Trichlorobenzene	ND	5.0	78	81	3.8				70 - 130	30
1,2,3-Trichloropropane	ND	5.0	83	85	2.4				70 - 130	30
1,2,4-Trichlorobenzene	ND	5.0	75	78	3.9				70 - 130	30
1,2,4-Trimethylbenzene	ND	1.0	82	84	2.4				70 - 130	30
1,2-Dibromo-3-chloropropane	ND	5.0	75	81	7.7				70 - 130	30
1,2-Dibromoethane	ND	5.0	82	84	2.4				70 - 130	30
1,2-Dichlorobenzene	ND	5.0	81	82	1.2				70 - 130	30
1,2-Dichloroethane	ND	5.0	85	86	1.2				70 - 130	30
1,2-Dichloropropane	ND	5.0	87	88	1.1				70 - 130	30
1,3,5-Trimethylbenzene	ND	1.0	84	85	1.2				70 - 130	30
1,3-Dichlorobenzene	ND	5.0	81	82	1.2				70 - 130	30
1,3-Dichloropropane	ND	5.0	86	87	1.2				70 - 130	30
1,4-Dichlorobenzene	ND	5.0	79	80	1.3				70 - 130	30
1,4-dioxane	ND	100	92	111	18.7				70 - 130	30
2,2-Dichloropropane	ND	5.0	82	86	4.8				70 - 130	30
2-Chlorotoluene	ND	5.0	86	86	0.0				70 - 130	30
2-Hexanone	ND	25	80	84	4.9				70 - 130	30
2-Isopropyltoluene	ND	5.0	88	90	2.2				70 - 130	30
4-Chlorotoluene	ND	5.0	82	84	2.4				70 - 130	30
4-Methyl-2-pentanone	ND	25	83	87	4.7				70 - 130	30
Acetone	ND	10	88	91	3.4				70 - 130	30
Acrolein	ND	25	66	70	5.9				70 - 130	30
Acrylonitrile	ND	5.0	78	81	3.8				70 - 130	30
Benzene	ND	1.0	90	91	1.1				70 - 130	30
Bromobenzene	ND	5.0	82	84	2.4				70 - 130	30
Bromochloromethane	ND	5.0	81	82	1.2				70 - 130	30
Bromodichloromethane	ND	5.0	83	85	2.4				70 - 130	30
Bromoform	ND	5.0	78	80	2.5				70 - 130	30
Bromomethane	ND	5.0	88	87	1.1				70 - 130	30
Carbon Disulfide	ND	5.0	91	92	1.1				70 - 130	30
Carbon tetrachloride	ND	5.0	84	84	0.0				70 - 130	30
Chlorobenzene	ND	5.0	88	87	1.1				70 - 130	30
Chloroethane	ND	5.0	90	88	2.2				70 - 130	30
Chloroform	ND	5.0	80	82	2.5				70 - 130	30
Chloromethane	ND	5.0	84	85	1.2				70 - 130	30
cis-1,2-Dichloroethene	ND	5.0	87	85	2.3				70 - 130	30
cis-1,3-Dichloropropene	ND	5.0	83	84	1.2				70 - 130	30
Dibromochloromethane	ND	3.0	87	88	1.1				70 - 130	30
Dibromomethane	ND	5.0	82	83	1.2				70 - 130	30
Dichlorodifluoromethane	ND	5.0	101	99	2.0				70 - 130	30
Ethylbenzene	ND	1.0	91	91	0.0				70 - 130	30
Hexachlorobutadiene	ND	5.0	91	93	2.2				70 - 130	30
Isopropylbenzene	ND	1.0	89	91	2.2				70 - 130	30
m&p-Xylene	ND	2.0	88	89	1.1				70 - 130	30
Methyl ethyl ketone	ND	5.0	79	87	9.6				70 - 130	30
Methyl t-butyl ether (MTBE)	ND	1.0	73	76	4.0				70 - 130	30
Methylene chloride	ND	5.0	75	76	1.3				70 - 130	30
Naphthalene	ND	5.0	82	86	4.8				70 - 130	30
n-Butylbenzene	ND	1.0	87	88	1.1				70 - 130	30

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
n-Propylbenzene	ND	1.0	87	89	2.3				70 - 130	30
o-Xylene	ND	2.0	88	89	1.1				70 - 130	30
p-Isopropyltoluene	ND	1.0	88	90	2.2				70 - 130	30
sec-Butylbenzene	ND	1.0	95	97	2.1				70 - 130	30
Styrene	ND	5.0	85	86	1.2				70 - 130	30
tert-butyl alcohol	ND	100	80	94	16.1				70 - 130	30
tert-Butylbenzene	ND	1.0	88	90	2.2				70 - 130	30
Tetrachloroethene	ND	5.0	93	93	0.0				70 - 130	30
Tetrahydrofuran (THF)	ND	5.0	80	83	3.7				70 - 130	30
Toluene	ND	1.0	90	91	1.1				70 - 130	30
trans-1,2-Dichloroethene	ND	5.0	94	94	0.0				70 - 130	30
trans-1,3-Dichloropropene	ND	5.0	81	82	1.2				70 - 130	30
trans-1,4-dichloro-2-butene	ND	5.0	85	88	3.5				70 - 130	30
Trichloroethene	ND	5.0	91	92	1.1				70 - 130	30
Trichlorofluoromethane	ND	5.0	96	98	2.1				70 - 130	30
Trichlorotrifluoroethane	ND	5.0	92	92	0.0				70 - 130	30
Vinyl chloride	ND	5.0	99	100	1.0				70 - 130	30
% 1,2-dichlorobenzene-d4	100	%	100	100	0.0				70 - 130	30
% Bromofluorobenzene	98	%	100	100	0.0				70 - 130	30
% Dibromofluoromethane	95	%	93	95	2.1				70 - 130	30
% Toluene-d8	99	%	101	100	1.0				70 - 130	30

Comment:

The Low Level MS/MSD are not reported for this batch.

Additional 8260 criteria: 10% of LCS/LCSD compounds can be outside of acceptance criteria as long as recovery is 40-160%, 25-160% for Chloroethane-HL and Trichlorofluoromethane-HL.

QA/QC Batch 540720H (ug/kg), QC Sample No: CG48692 50X (CG47146 (50X))

Volatiles - Soil (High Level)

1,2,3-Trichlorobenzene	ND	250	100	97	3.0	102	102	0.0	70 - 130	30
1,2,3-Trichloropropane	ND	250	101	98	3.0	99	102	3.0	70 - 130	30
1,2,4-Trichlorobenzene	ND	250	103	103	0.0	102	103	1.0	70 - 130	30
1,2,4-Trimethylbenzene	ND	250	93	93	0.0	NC	NC	NC	70 - 130	30
1,2-Dichlorobenzene	ND	250	97	96	1.0	97	99	2.0	70 - 130	30
1,3,5-Trimethylbenzene	ND	250	94	94	0.0	96	97	1.0	70 - 130	30
1,3-Dichlorobenzene	ND	250	98	96	2.1	97	98	1.0	70 - 130	30
1,4-Dichlorobenzene	ND	250	97	97	0.0	97	98	1.0	70 - 130	30
2-Chlorotoluene	ND	250	97	97	0.0	100	100	0.0	70 - 130	30
2-Isopropyltoluene	ND	250	102	101	1.0	99	102	3.0	70 - 130	30
4-Chlorotoluene	ND	250	97	97	0.0	98	99	1.0	70 - 130	30
Benzene	ND	250	100	98	2.0	101	104	2.9	70 - 130	30
Bromobenzene	ND	250	93	91	2.2	94	97	3.1	70 - 130	30
Hexachlorobutadiene	ND	250	108	108	0.0	107	110	2.8	70 - 130	30
Isopropylbenzene	ND	250	100	98	2.0	101	103	2.0	70 - 130	30
m&p-Xylene	ND	250	102	101	1.0	NC	NC	NC	70 - 130	30
Naphthalene	ND	250	100	97	3.0	104	107	2.8	70 - 130	30
n-Butylbenzene	ND	250	106	105	0.9	105	106	0.9	70 - 130	30
n-Propylbenzene	ND	250	101	100	1.0	102	103	1.0	70 - 130	30
p-Isopropyltoluene	ND	250	101	101	0.0	102	105	2.9	70 - 130	30
sec-Butylbenzene	ND	250	106	106	0.0	108	111	2.7	70 - 130	30
tert-Butylbenzene	ND	250	96	95	1.0	98	100	2.0	70 - 130	30
Toluene	ND	250	99	97	2.0	NC	NC	NC	70 - 130	30
trans-1,4-dichloro-2-butene	ND	250	99	96	3.1	85	90	5.7	70 - 130	30
% 1,2-dichlorobenzene-d4	100	%	101	101	0.0	100	100	0.0	70 - 130	30

QA/QC Data

SDG I.D.: GCG47143

Parameter	Blank	Blk RL		LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
% Bromofluorobenzene	98	%		101	100	1.0	100	100	0.0	70 - 130	30
% Dibromofluoromethane	91	%		89	89	0.0	88	92	4.4	70 - 130	30
% Toluene-d8	99	%		100	100	0.0	101	101	0.0	70 - 130	30

Comment:

Additional 8260 criteria: 10% of LCS/LCSD compounds can be outside of acceptance criteria as long as recovery is 40-160%, 25-160% for Chloroethane-HL and Trichlorofluoromethane-HL.

l = This parameter is outside laboratory LCS/LCSD specified recovery limits.
m = This parameter is outside laboratory MS/MSD specified recovery limits.
r = This parameter is outside laboratory RPD specified recovery limits.

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

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

Phyllis Shiller, Laboratory Director
August 11, 2020

Tuesday, August 11, 2020

Criteria: NJ: RC; NY: 375, 375GWP, 375RRS; PA: REG

State: NY

Sample Criteria Exceedances Report

GCG47143 - EBC

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CG47143	$8270SMRDP	N-Nitrosodimethylamine	PA / Reg Fill Limits GP-1a / Organics	ND	78	0.17	0.17	ug/Kg
CG47143	$8270SMRDP	N-Nitrosodi-n-propylamine	PA / Reg Fill Limits GP-1a / Organics	ND	78	5.1	5.1	ug/Kg
CG47143	$8270SMRDP	Bis(2-chloroethyl)ether	PA / Reg Fill Limits GP-1a / Organics	ND	78	17	17	ug/Kg
CG47143	CR-SM	Chromium	NY / 375-6.8 Metals / Unrestricted Use Soil	35.7	0.38	30		mg/Kg
CG47143	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.33	0.03	0.18	0.18	mg/Kg
CG47143	NI-SM	Nickel	NY / 375-6.8 Metals / Unrestricted Use Soil	30.9	0.38	30	30	mg/Kg
CG47143	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	152	0.8	63	63	mg/Kg
CG47145	$8270SMRDP	N-Nitrosodi-n-propylamine	PA / Reg Fill Limits GP-1a / Organics	ND	76	5.1	5.1	ug/Kg
CG47145	$8270SMRDP	Bis(2-chloroethyl)ether	PA / Reg Fill Limits GP-1a / Organics	ND	76	17	17	ug/Kg
CG47145	$8270SMRDP	N-Nitrosodimethylamine	PA / Reg Fill Limits GP-1a / Organics	ND	76	0.17	0.17	ug/Kg
CG47145	CR-SM	Chromium	NY / 375-6.8 Metals / Unrestricted Use Soil	36.9	0.37	30		mg/Kg
CG47146	$8260MADPR	Benzene	NY / 375-6.8 Volatiles / Ground Water Protection	820	290	60	60	ug/Kg
CG47146	$8260MADPR	Benzene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	820	290	60	60	ug/Kg
CG47146	$8260MADPR	Benzene	PA / Reg Fill Limits GP-1a / Organics	820	290	130	130	ug/Kg
CG47147	$8270SMRDP	Bis(2-chloroethyl)ether	PA / Reg Fill Limits GP-1a / Organics	ND	74	17	17	ug/Kg
CG47147	$8270SMRDP	N-Nitrosodimethylamine	PA / Reg Fill Limits GP-1a / Organics	ND	74	0.17	0.17	ug/Kg
CG47147	$8270SMRDP	N-Nitrosodi-n-propylamine	PA / Reg Fill Limits GP-1a / Organics	ND	74	5.1	5.1	ug/Kg
CG47149	$8270SMRDP	N-Nitrosodimethylamine	PA / Reg Fill Limits GP-1a / Organics	ND	74	0.17	0.17	ug/Kg
CG47149	$8270SMRDP	Bis(2-chloroethyl)ether	PA / Reg Fill Limits GP-1a / Organics	ND	74	17	17	ug/Kg
CG47149	$8270SMRDP	N-Nitrosodi-n-propylamine	PA / Reg Fill Limits GP-1a / Organics	ND	74	5.1	5.1	ug/Kg
CG47149	CR-SM	Chromium	NY / 375-6.8 Metals / Unrestricted Use Soil	75.7	0.38	30		mg/Kg
CG47149	NI-SM	Nickel	NY / 375-6.8 Metals / Unrestricted Use Soil	31.0	0.38	30	30	mg/Kg
CG47151	$8270SMRDP	Bis(2-chloroethyl)ether	PA / Reg Fill Limits GP-1a / Organics	ND	73	17	17	ug/Kg
CG47151	$8270SMRDP	N-Nitrosodimethylamine	PA / Reg Fill Limits GP-1a / Organics	ND	73	0.17	0.17	ug/Kg
CG47151	$8270SMRDP	N-Nitrosodi-n-propylamine	PA / Reg Fill Limits GP-1a / Organics	ND	73	5.1	5.1	ug/Kg
CG47151	CO-SM	Cobalt	PA / Reg Fill Limits GP-1a / Metals & Inorganics	22.1	0.38	22	22	mg/Kg
CG47151	CR-SM	Chromium	NY / 375-6.8 Metals / Unrestricted Use Soil	41.6	0.38	30		mg/Kg
CG47151	NI-SM	Nickel	NY / 375-6.8 Metals / Unrestricted Use Soil	32.1	0.38	30	30	mg/Kg
CG47153	$8270SMRDP	N-Nitrosodimethylamine	PA / Reg Fill Limits GP-1a / Organics	ND	73	0.17	0.17	ug/Kg
CG47153	$8270SMRDP	N-Nitrosodi-n-propylamine	PA / Reg Fill Limits GP-1a / Organics	ND	73	5.1	5.1	ug/Kg
CG47153	$8270SMRDP	Bis(2-chloroethyl)ether	PA / Reg Fill Limits GP-1a / Organics	ND	73	17	17	ug/Kg
CG47153	CR-SM	Chromium	NY / 375-6.8 Metals / Unrestricted Use Soil	37.2	0.35	30		mg/Kg
CG47153	NI-SM	Nickel	NY / 375-6.8 Metals / Unrestricted Use Soil	30.1	0.35	30	30	mg/Kg
CG47155	$8270SMRDP	Bis(2-chloroethyl)ether	PA / Reg Fill Limits GP-1a / Organics	ND	71	17	17	ug/Kg
CG47155	$8270SMRDP	N-Nitrosodimethylamine	PA / Reg Fill Limits GP-1a / Organics	ND	71	0.17	0.17	ug/Kg
CG47155	$8270SMRDP	N-Nitrosodi-n-propylamine	PA / Reg Fill Limits GP-1a / Organics	ND	71	5.1	5.1	ug/Kg

Tuesday, August 11, 2020

Criteria: NJ: RC; NY: 375, 375GWP, 375RRS; PA: REG

State: NY

Sample Criteria Exceedances Report

GCG47143 - EBC

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CG47155	CR-SM	Chromium	NY / 375-6.8 Metals / Unrestricted Use Soil	30.4	0.37	30		mg/Kg
CG47157	$8270SMRDP	N-Nitrosodi-n-propylamine	PA / Reg Fill Limits GP-1a / Organics	ND	74	5.1	5.1	ug/Kg
CG47157	$8270SMRDP	Bis(2-chloroethyl)ether	PA / Reg Fill Limits GP-1a / Organics	ND	74	17	17	ug/Kg
CG47157	$8270SMRDP	N-Nitrosodimethylamine	PA / Reg Fill Limits GP-1a / Organics	ND	74	0.17	0.17	ug/Kg

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 Comments

August 11, 2020 SDG I.D.: GCG47143

The following analysis comments are made regarding exceptions to criteria not already noted in the Analysis Report or QA/QC Report:

Herbicide Narration

AU-ECD2 08/05/20-1: CG47143, CG47145, CG47147, CG47149, CG47151, CG47153

The following Continuing Calibration compounds did not meet % deviation criteria:
Samples: CG47143, CG47145
Preceding CC 805B026 - None.
Succeeding CC 805B038 - Dichloroprop (7) 19%H (15%)
Samples: CG47147, CG47149, CG47151, CG47153
Preceding CC 805B038 - Dichloroprop (7) 19%H (15%)
Succeeding CC 805B044 - Dichloroprop (7) 20%H (15%)

PCB Narration

AU-ECD1 08/06/20-1: CG47145, CG47147, CG47153

The following Continuing Calibration compounds did not meet % deviation criteria:
Samples: CG47145, CG47147, CG47153
Preceding CC 806B016 - None.
Succeeding CC 806B029 - PCB 1260 16%L (%)

AU-ECD29 08/05/20-1: CG47143

The following Continuing Calibration compounds did not meet % deviation criteria:
Samples: CG47143
Preceding CC 805B019 - None.
Succeeding CC 805B032 - PCB 1260 18%L (%)

PEST Narration

AU-ECD35 08/05/20-1: CG47143, CG47155

The following Continuing Calibration compounds did not meet % deviation criteria:
Samples: CG47143
Preceding CC 805A028 - None.
Succeeding CC 805A041 - b-BHC 28%L (20%)
A low "1A" standard was run after the samples to demonstrate capability to detect any compounds outside of the CC acceptance criteria. All reported samples were ND for the affected compounds.
Samples: CG47155
Preceding CC 805A041 - b-BHC 28%L (20%)
Succeeding CC 805A051 - b-BHC 26%L (20%)
A low "1A" standard was run after the samples to demonstrate capability to detect any compounds outside of the CC acceptance criteria. All reported samples were ND for the affected compounds.

AU-ECD4 08/05/20-1: CG47147, CG47149, CG47151, CG47153, CG47157

The following Continuing Calibration compounds did not meet % deviation criteria:
Samples: CG47153
Preceding CC 805A032 - g-BHC 25%H (20%)
Succeeding CC 805A045 - g-BHC 23%H (20%)
Samples: CG47147, CG47149, CG47151, CG47157
Preceding CC 805A045 - g-BHC 23%H (20%)
Succeeding CC 805A053 - Endrin 21%L (20%), g-BHC 22%H (20%), Methoxychlor 23%L (20%)
A low "1A" standard was run after the samples to demonstrate capability to detect any compounds outside of the CC acceptance criteria. All reported samples were ND for the affected compounds.

AU-ECD7 08/05/20-1: CG47145

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Analysis Comments

August 11, 2020 SDG I.D.: GCG47143

The following Continuing Calibration compounds did not meet % deviation criteria:
Samples: CG47145
Preceding CC 805A017 - Endosulfan I 23%L (20%)
Succeeding CC 805A031 - None.
A low "1A" standard was run after the samples to demonstrate capability to detect any compounds outside of the CC acceptance criteria. All reported samples were ND for the affected compounds.

SVOA Narration

CHEM28 08/04/20-1: CG47145, CG47147, CG47149

For 8270 full list, the DDT breakdown and pentachlorophenol & benzidine peak tailing were evaluated in the DFTPP tune and were found to be in control.
For 8270 BN list, benzidine peak tailing was evaluated in the DFTPP tune and was found to be in control.

The following Initial Calibration compounds did not meet recommended response factors: 2-Nitrophenol 0.061 (0.1), Hexachlorobenzene 0.081 (0.1)
The following Initial Calibration compounds did not meet minimum response factors: None.

The following Continuing Calibration compounds did not meet recommended response factors: 2-Nitrophenol 0.065 (0.1), Hexachlorobenzene 0.081 (0.1)
The following Continuing Calibration compounds did not meet minimum response factors: None.

Up to eight compounds can be outside of ICAL %RSD criteria and up to sixteen compounds can be outside of CCAL %Dev criteria if less than 40%.

CHEM29 08/04/20-3: CG47151, CG47153, CG47155, CG47157

For 8270 full list, the DDT breakdown and pentachlorophenol & benzidine peak tailing were evaluated in the DFTPP tune and were found to be in control.
For 8270 BN list, benzidine peak tailing was evaluated in the DFTPP tune and was found to be in control.

The following Initial Calibration compounds did not meet recommended response factors: 2-Nitrophenol 0.096 (0.1), Hexachlorobenzene 0.079 (0.1)
The following Initial Calibration compounds did not meet minimum response factors: None.

The following Continuing Calibration compounds did not meet recommended response factors: 2-Nitrophenol 0.097 (0.1), Hexachlorobenzene 0.081 (0.1)
The following Continuing Calibration compounds did not meet minimum response factors: None.

Up to eight compounds can be outside of ICAL %RSD criteria and up to sixteen compounds can be outside of CCAL %Dev criteria if less than 40%.

CHEM69 08/04/20-1: CG47143

The following Initial Calibration compounds did not meet recommended response factors: 2-Nitrophenol 0.065 (0.1), Hexachlorobenzene 0.097 (0.1)
The following Initial Calibration compounds did not meet minimum response factors: None.

The following Continuing Calibration compounds did not meet recommended response factors: 2-Nitrophenol 0.079 (0.1)
The following Continuing Calibration compounds did not meet minimum response factors: None.

Up to eight compounds can be outside of ICAL %RSD criteria and up to sixteen compounds can be outside of CCAL %Dev criteria if less than 40%.

VOA Narration

CHEM31 08/05/20-3: CG47144, CG47146, CG47148, CG47150, CG47152, CG47154, CG47156, CG47158

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Comments

August 11, 2020 SDG I.D.: GCG47143

The following Initial Calibration compounds did not meet RSD% criteria: Methylene chloride 25% (20%)
The following Initial Calibration compounds did not meet maximum RSD% criteria: None.
The following Initial Calibration compounds did not meet recommended response factors: Acetone 0.075 (0.1), Tetrachloroethene 0.172 (0.2)
The following Initial Calibration compounds did not meet minimum response factors: None.

The following Continuing Calibration compounds did not meet recommended response factors: Acrolein 0.049 (0.05)
The following Continuing Calibration compounds did not meet minimum response factors: Acrolein 0.050 (0.05)

Up to eight compounds can be outside of ICAL %RSD criteria and up to sixteen compounds can be outside of CCAL %Dev criteria if less than 40%.

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

NY Temperature Narration

August 11, 2020

SDG I.D.: GCG47143

The samples in this delivery group were received at 1.0°C.
(Note acceptance criteria for relevant matrices is above freezing up to 6°C)

Cooler: Yes ☑ No ☐
Coolant: IPK ☑ ICE ☐ No ☐

CHAIN OF CUSTODY RECORD

Temp 1.0 °C Pg 1 of 2

PHOENIX
Environmental Laboratories, Inc.

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

Data Delivery:
☐ Fax #:
■ Emai Kbrussee@ebcincny.com

Customer: Environmental Business Consultants
Address: 1808 Middle Country Road
Ridge, New York 11961

Project: 64 Centre Ave, New Rochelle NY
Report to: EBC
Invoice to: EBC
Phone #: 631.504.6000
Fax #: 631.924.2870

Project P.O:

This section MUST be completed with Bottle Quantities.

Sampler's Signature: Derek Merker Date: 8/3/20

Client Sample - Information - Identification

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	TCLP RCRA Metals + Cu, Ni, Zn	RCRA Characteristics	Herbicides	PCBs	Pesticides	EPH	TAL Metals (+ Hex Cr + Mo and Cyanide)	SVOCs 8270 + Pyridine	VOCs 8260 + 1,4-Dioxine	x	x	Soil VOA Vials [ ] methanol [ ] H2O	GL Soil container (8) oz	GL Soil container (4) oz	5 g Encores	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml [ ] 1000ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
47143	64B Comp (0-2')	Soil	8/3/2020	17:10	X	X	X	X	X	X	X	X					2								
47144	64B Grab (0-2')	Soil	8/3/2020	14:40									X			3		1							
47145	64B Comp (2-4')	Soil	8/3/2020	17:16	X	X	X	X	X	X	X	X					2								
47146	64B Grab (2-4')	Soil	8/3/2020	14:35									X			3		1							
47147	64B Comp (4-6')	Soil	8/3/2020	17:22	X	X	X	X	X	X	X	X					2								
47148	64B Grab (4-6')	Soil	8/3/2020	14:30									X			3		1							
47149	64B Comp (6-8')	Soil	8/3/2020	17:30	X	X	X	X	X	X	X	X					2								
47150	64B Grab (6-8')	Soil	8/3/2020	14:25									X			3		1							

Relinquished by:	Accepted by:	Date:	Time:
Derek Merker		8.4.20	10.55
		8/4	1552

Comments, Special Requirements or Regulations:

* SVOC list to include atrazine, benzaldehyde, 1,1-bipheny, and caprolactam.

Quote# EB030217SB

* VOC list to include acrolein, TBA, and total xylenes

Turnaround:
☐ 1 Day*
☐ 2 Days*
☐ 3 Days*
■ Standard
☐ Other
* SURCHARGE APPLIES

NJ
■ Direct Contact (Residential)
☐ GW
☐ Other

NY
■ UUSCOs
■ RRSCOs
■ NJ Residential
■ PA Regulated Fill
☐ GB Mobility
☐ Residential DEC
☐ I/C DEC
☐ Other

MA
☐ MCP Certification
☐ GW-1
☐ GW-2
☐ GW-3
☐ S-1
☐ S-2
☐ S-3
☐ MWRA eSMART
☐ Other

State where samples were collected: NY

Data Format
■ Excel
■ PDF
☐ GIS/Key
☐ EQuIS
☐ Other

Data Package
☐ Tier II Checklist
ASP B Deliverables*
☐ Phoenix Std Report
☐ Other

Cooler: Yes ☑ No ☐
Coolant: IPK ☑ ICE ☐ No ☐

CHAIN OF CUSTODY RECORD

Temp 1.0° C Pg 2 of 2

PHOENIX
Environmental Laboratories, Inc.

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

Data Delivery:
☐ Fax #:
■ Emai Kbrussee@ebcincny.com

Customer: Environmental Business Consultants
Address: 1808 Middle Country Road
Ridge, New York 11961

Project: 64 Centre Ave, New Rochelle NY
Report to: EBC
Invoice to: EBC
Phone #: 631.504.6000
Fax #: 631.924.2870

Project P.O:

This section MUST be completed with Bottle Quantities.

Client Sample - Information - Identification

Sampler's Signature: Derek Merker Date: 8/3/20

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	TCLP RCRA Metals + Cu, Ni, Zn	RCRA Characteristics	Herbicides	PCBs	Pesticides	EPH	TAL Metals (+ Hex Cr + Mo and Cyanide)	SVOCs 8270 + Pyridine	VOCs 8260 + 1,4-Dioxine	+	+	Soil VOA Vials [ ] methanol [ ] H2O	GL Soil container (8) oz	GL Soil container (4) oz	5 g Encores	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
47151	64B Comp (8-10')	Soil	8/3/2020	17:36	X	X	X	X	X	X	X	X					2								
47152	64B Grab (8-10')	Soil	8/3/2020	14:20									X					1	3						
47153	64B Comp (10-12')	Soil	8/3/2020	17:42	X	X	X	X	X	X	X	X					2								
47154	64B Grab (10-12')	Soil	8/3/2020	14:15									X					1	3						
47155	64B Comp (12-14')	Soil	8/3/2020	17:48	X	X	X	X	X	X	X	X					2								
47156	64B Grab (12-14')	Soil	8/3/2020	14:10									X					1	3						
47157	64B Comp (14-16')	Soil	8/3/2020	17:55	X	X	X	X	X	X	X	X					2								
47158	64B Grab (14-16')	Soil	8/3/2020	14:05									X					1	3						

Relinquished by:	Accepted by:	Date:	Time:
Derek Merker		8.4.20	10.55
		8/4	1552

Comments, Special Requirements or Regulations:

* SVOC list to include atrazine, benzaldehyde, 1,1-bipheny, and caprolactam.

Quote# EB030217SB

* VOC list to include acrolein, TBA, and total xylenes

Turnaround:
☐ 1 Day*
☐ 2 Days*
☐ 3 Days*
■ Standard
☐ Other
* SURCHARGE APPLIES

NJ
■ Direct Contact (Residential)
☐ GW
☐ Other

NY
■ UUSCOs
■ RRSCOs
■ NJ Residential
■ PA Regulated Fill
☐ GB Mobility
☐ Residential DEC
☐ I/C DEC
☐ Other

MA
☐ MCP Certification
☐ GW-1
☐ GW-2
☐ GW-3
☐ S-1
☐ S-2
☐ S-3
☐ MWRA eSMART
☐ Other

State where samples were collected: NY

Data Format
■ Excel
■ PDF
☐ GIS/Key
☐ EQuIS
☐ Other

Data Package
☐ Tier II Checklist
ASP B Deliverables*
☐ Phoenix Std Report
☐ Other