PHOENIX
Environmental Laboratories, Inc.

Thursday, August 13, 2020

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

Project ID: **8 WESTCHESTER AVE, NEW ROCHELLE NY**
SDG ID: **GCG47126**
Sample ID#s: CG47126 - CG47142

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 13, 2020

SDG I.D.: GCG47126

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

CG47136 - The client provided an ENCORE sample. Phoenix prepared sample per method 5035.

CG47138 - The client provided an ENCORE sample. Phoenix prepared sample per method 5035.

CG47140 - The client provided an ENCORE sample. Phoenix prepared sample per method 5035.

CG47142 - 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 13, 2020

SDG I.D.: GCG47126

Project ID: 8 WESTCHESTER AVE, NEW ROCHELLE NY

Client Id	Lab Id	Matrix
8WB COMP (0-2`)	CG47126	SOIL
8WB GRAB (0-2`)	CG47127	SOIL
8WB COMP (2-4`)	CG47128	SOIL
8WB GRAB (2-4`)	CG47129	SOIL
8WB COMP (4-6`)	CG47130	SOIL
8WB GRAB (4-6`)	CG47131	SOIL
8WB COMP (6-8`)	CG47132	SOIL
8WB GRAB (6-8`)	CG47133	SOIL
8WB @ 7`	CG47134	SOIL
8WB COMP (8-10`)	CG47135	SOIL
8WB GRAB (8-10`)	CG47136	SOIL
8WB COMP (10-12`)	CG47137	SOIL
8WB GRAB (10-12`)	CG47138	SOIL
8WB COMP (12-14`)	CG47139	SOIL
8WB GRAB (12-14`)	CG47140	SOIL
8WB COMP (14-16`)	CG47141	SOIL
8WB GRAB (14-16`)	CG47142	SOIL

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Analysis Report

August 13, 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	15:26
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: GCG47126
Phoenix ID: CG47126

Project ID: 8 WESTCHESTER AVE, NEW ROCHELLE NY
Client ID: 8WB COMP (0-2`)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Silver	< 0.43	0.43		mg/Kg	1	08/05/20	CPP	SW6010D	
Aluminum	15000	43		mg/Kg	10	08/05/20	CPP	SW6010D	
Arsenic	2.00	0.85		mg/Kg	1	08/05/20	CPP	SW6010D	
Barium	93.1	0.9		mg/Kg	1	08/05/20	CPP	SW6010D	
Beryllium	0.43	0.34		mg/Kg	1	08/05/20	CPP	SW6010D	
Calcium	2320	4.3		mg/Kg	1	08/05/20	CPP	SW6010D	
Cadmium	0.91	0.43		mg/Kg	1	08/05/20	CPP	SW6010D	
Cobalt	8.37	0.43		mg/Kg	1	08/05/20	CPP	SW6010D	
Chromium	24.9	0.43		mg/Kg	1	08/05/20	CPP	SW6010D	
Copper	24.1	0.9		mg/kg	1	08/05/20	CPP	SW6010D	
Iron	20300	43		mg/Kg	10	08/05/20	CPP	SW6010D	
Mercury	0.51	0.03		mg/Kg	2	08/05/20	RS	SW7471B	
Potassium	2510	9		mg/Kg	1	08/05/20	CPP	SW6010D	
Magnesium	3380	4.3		mg/Kg	1	08/05/20	CPP	SW6010D	
Manganese	376	4.3		mg/Kg	10	08/05/20	CPP	SW6010D	
Molybdenum	< 0.43	0.43		mg/Kg	1	08/05/20	CPP	SW6010D	
Sodium	183	9		mg/Kg	1	08/05/20	CPP	SW6010D	
Nickel	18.9	0.43		mg/Kg	1	08/05/20	CPP	SW6010D	
Lead	79.0	0.9		mg/Kg	1	08/05/20	CPP	SW6010D	
Antimony	< 4.3	4.3		mg/Kg	1	08/05/20	CPP	SW6010D	
Selenium	< 1.7	1.7		mg/Kg	1	08/05/20	CPP	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	0.29	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: 8 WESTCHESTER AVE, NEW ROCHELLE NY
Client ID: 8WB COMP (0-2`)

Phoenix I.D.: CG47126

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	0.14	0.10		mg/L	1	08/06/20	TH	SW846 1311/6010D	
Thallium	< 1.7	1.7		mg/Kg	1	08/05/20	CPP	SW6010D	
TCLP Metals Digestion	Completed					08/05/20	VT/VT	SW3010A	
Vanadium	30.0	0.43		mg/Kg	1	08/05/20	CPP	SW6010D	
Zinc	65.7	0.9		mg/Kg	1	08/05/20	CPP	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	08/05/20	ARG	1010/CH7/ASTMD92	
Chromium, Hex. (SW3060 digestion)	< 0.46	0.46		mg/Kg	1	08/06/20	ARG	SW7196A	
Ignitability	Passed	140		degree F	1	08/05/20	ARG	SW846-Ignit	1
pH at 25C - Soil	7.37	1.00		pH Units	1	08/04/20 22:27	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	56.4			mV	1	08/04/20	MB	SM2580B-09	1
Total Cyanide (SW9010C Distill.)	< 0.60	0.60		mg/Kg	1	08/06/20	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					08/06/20	KK/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	08/07/20	JRB	NJEPH 10-08 R3	1
QA/QC Surrogates									
% COD (surr)	72			%	1	08/07/20	JRB	40 - 140 %	
% Terphenyl (surr)	73			%	1	08/07/20	JRB	40 - 140 %	
Chlorinated Herbicides									
2,4,5-T	ND	98		ug/Kg	10	08/05/20	JRB	SW8151A	
2,4,5-TP (Silvex)	ND	98		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	98		ug/Kg	10	08/05/20	JRB	SW8151A	
Dicamba	ND	98		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	51			%	10	08/05/20	JRB	30 - 150 %	
% DCAA (Confirmation)	58			%	10	08/05/20	JRB	30 - 150 %	
Polychlorinated Biphenyls									
PCB-1016	ND	77	77	ug/Kg	2	08/05/20	SC	SW8082A	

Ver 1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	
PCB-1221	ND	77	77	ug/Kg	2	08/05/20	SC	SW8082A
PCB-1232	ND	77	77	ug/Kg	2	08/05/20	SC	SW8082A
PCB-1242	ND	77	77	ug/Kg	2	08/05/20	SC	SW8082A
PCB-1248	ND	77	77	ug/Kg	2	08/05/20	SC	SW8082A
PCB-1254	ND	77	77	ug/Kg	2	08/05/20	SC	SW8082A
PCB-1260	ND	77	77	ug/Kg	2	08/05/20	SC	SW8082A
PCB-1262	ND	77	77	ug/Kg	2	08/05/20	SC	SW8082A
PCB-1268	ND	77	77	ug/Kg	2	08/05/20	SC	SW8082A
QA/QC Surrogates								
% DCBP	77			%	2	08/05/20	SC	30 - 150 %
% DCBP (Confirmation)	80			%	2	08/05/20	SC	30 - 150 %
% TCMX	66			%	2	08/05/20	SC	30 - 150 %
% TCMX (Confirmation)	65			%	2	08/05/20	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	7.7		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	7.7		ug/Kg	2	08/05/20	CG	SW8081B
Chlordane	ND	39		ug/Kg	2	08/05/20	CG	SW8081B
d-BHC	ND	7.7		ug/Kg	2	08/05/20	CG	SW8081B
Dieldrin	ND	3.9		ug/Kg	2	08/05/20	CG	SW8081B
Endosulfan I	ND	7.7		ug/Kg	2	08/05/20	CG	SW8081B
Endosulfan II	ND	7.7		ug/Kg	2	08/05/20	CG	SW8081B
Endosulfan sulfate	ND	7.7		ug/Kg	2	08/05/20	CG	SW8081B
Endrin	ND	7.7		ug/Kg	2	08/05/20	CG	SW8081B
Endrin aldehyde	ND	7.7		ug/Kg	2	08/05/20	CG	SW8081B
Endrin ketone	ND	7.7		ug/Kg	2	08/05/20	CG	SW8081B
g-BHC	ND	1.5		ug/Kg	2	08/05/20	CG	SW8081B
g-Chlordane	ND	3.9		ug/Kg	2	08/05/20	CG	SW8081B
Heptachlor	ND	7.7		ug/Kg	2	08/05/20	CG	SW8081B
Heptachlor epoxide	ND	7.7		ug/Kg	2	08/05/20	CG	SW8081B
Methoxychlor	ND	39		ug/Kg	2	08/05/20	CG	SW8081B
Toxaphene	ND	150		ug/Kg	2	08/05/20	CG	SW8081B
QA/QC Surrogates								
% DCBP	66			%	2	08/05/20	CG	30 - 150 %
% DCBP (Confirmation)	81			%	2	08/05/20	CG	30 - 150 %
% TCMX	54			%	2	08/05/20	CG	30 - 150 %
% TCMX (Confirmation)	47			%	2	08/05/20	CG	30 - 150 %
Semivolatiles								
1,2,4,5-Tetrachlorobenzene	ND	280	140	ug/Kg	1	08/05/20	WB	SW8270D
1,2,4-Trichlorobenzene	ND	280	120	ug/Kg	1	08/05/20	WB	SW8270D
1,2-Dichlorobenzene	ND	280	110	ug/Kg	1	08/05/20	WB	SW8270D
1,2-Diphenylhydrazine	ND	280	130	ug/Kg	1	08/05/20	WB	SW8270D
1,3-Dichlorobenzene	ND	280	120	ug/Kg	1	08/05/20	WB	SW8270D
1,4-Dichlorobenzene	ND	280	120	ug/Kg	1	08/05/20	WB	SW8270D

Project ID: 8 WESTCHESTER AVE, NEW ROCHELLE NY
Client ID: 8WB COMP (0-2`)

Phoenix I.D.: CG47126

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By		
2,4,5-Trichlorophenol	ND	280	220	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	280	97	ug/Kg	1	08/05/20	WB	SW8270D	
2,4-Dinitrophenol	ND	280	280	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	280	110	ug/Kg	1	08/05/20	WB	SW8270D	
2-Chlorophenol	ND	280	110	ug/Kg	1	08/05/20	WB	SW8270D	
2-Methylnaphthalene	ND	280	120	ug/Kg	1	08/05/20	WB	SW8270D	
2-Methylphenol (o-cresol)	ND	280	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	280	250	ug/Kg	1	08/05/20	WB	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND	280	150	ug/Kg	1	08/05/20	WB	SW8270D	1
3,3'-Dichlorobenzidine	ND	200	190	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	240	79	ug/Kg	1	08/05/20	WB	SW8270D	
4-Bromophenyl phenyl ether	ND	280	120	ug/Kg	1	08/05/20	WB	SW8270D	
4-Chloro-3-methylphenol	ND	280	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	280	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	280	120	ug/Kg	1	08/05/20	WB	SW8270D	
Acenaphthylene	ND	280	110	ug/Kg	1	08/05/20	WB	SW8270D	
Acetophenone	ND	280	120	ug/Kg	1	08/05/20	WB	SW8270D	
Aniline	ND	310	310	ug/Kg	1	08/05/20	WB	SW8270D	
Anthracene	ND	280	130	ug/Kg	1	08/05/20	WB	SW8270D	
Benz(a)anthracene	350	280	130	ug/Kg	1	08/05/20	WB	SW8270D	
Benzidine	ND	340	230	ug/Kg	1	08/05/20	WB	SW8270D	
Benzo(a)pyrene	450	200	130	ug/Kg	1	08/05/20	WB	SW8270D	
Benzo(b)fluoranthene	400	280	130	ug/Kg	1	08/05/20	WB	SW8270D	
Benzo(ghi)perylene	370	280	130	ug/Kg	1	08/05/20	WB	SW8270D	
Benzo(k)fluoranthene	320	280	130	ug/Kg	1	08/05/20	WB	SW8270D	
Benzoic acid	ND	2000	790	ug/Kg	1	08/05/20	WB	SW8270D	
Benzyl butyl phthalate	ND	280	100	ug/Kg	1	08/05/20	WB	SW8270D	
Bis(2-chloroethoxy)methane	ND	280	110	ug/Kg	1	08/05/20	WB	SW8270D	
Bis(2-chloroethyl)ether	ND	79	79	ug/Kg	1	08/05/20	WB	SW8270D	
Bis(2-chloroisopropyl)ether	ND	280	110	ug/Kg	1	08/05/20	WB	SW8270D	
Bis(2-ethylhexyl)phthalate	ND	280	110	ug/Kg	1	08/05/20	WB	SW8270D	
Carbazole	ND	200	160	ug/Kg	1	08/05/20	WB	SW8270D	
Chrysene	360	280	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	280	110	ug/Kg	1	08/05/20	WB	SW8270D	
Diethyl phthalate	ND	280	120	ug/Kg	1	08/05/20	WB	SW8270D	
Dimethylphthalate	ND	280	120	ug/Kg	1	08/05/20	WB	SW8270D	
Di-n-butylphthalate	ND	280	100	ug/Kg	1	08/05/20	WB	SW8270D	
Di-n-octylphthalate	ND	280	100	ug/Kg	1	08/05/20	WB	SW8270D	
Fluoranthene	780	280	130	ug/Kg	1	08/05/20	WB	SW8270D	

Project ID: 8 WESTCHESTER AVE, NEW ROCHELLE NY
Client ID: 8WB COMP (0-2`)

Phoenix I.D.: CG47126

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	
Fluorene	ND	280	130	ug/Kg	1	08/05/20	WB	SW8270D
Hexachlorobenzene	ND	200	110	ug/Kg	1	08/05/20	WB	SW8270D
Hexachlorobutadiene	ND	280	140	ug/Kg	1	08/05/20	WB	SW8270D
Hexachlorocyclopentadiene	ND	280	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	400	280	130	ug/Kg	1	08/05/20	WB	SW8270D
Isophorone	ND	200	110	ug/Kg	1	08/05/20	WB	SW8270D
Naphthalene	ND	280	110	ug/Kg	1	08/05/20	WB	SW8270D
Nitrobenzene	ND	200	140	ug/Kg	1	08/05/20	WB	SW8270D
N-Nitrosodimethylamine	ND	79	79	ug/Kg	1	08/05/20	WB	SW8270D
N-Nitrosodi-n-propylamine	ND	79	79	ug/Kg	1	08/05/20	WB	SW8270D
N-Nitrosodiphenylamine	ND	280	150	ug/Kg	1	08/05/20	WB	SW8270D
Pentachloronitrobenzene	ND	280	150	ug/Kg	1	08/05/20	WB	SW8270D
Pentachlorophenol	ND	240	150	ug/Kg	1	08/05/20	WB	SW8270D
Phenanthrene	440	280	110	ug/Kg	1	08/05/20	WB	SW8270D
Phenol	ND	280	130	ug/Kg	1	08/05/20	WB	SW8270D
Pyrene	620	280	140	ug/Kg	1	08/05/20	WB	SW8270D
Pyridine	ND	220	97	ug/Kg	1	08/05/20	WB	SW8270D
QA/QC Surrogates								
% 2,4,6-Tribromophenol	123			%	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	81			%	1	08/05/20	WB	30 - 130 %
% Phenol-d5	76			%	1	08/05/20	WB	30 - 130 %
% Terphenyl-d14	81			%	1	08/05/20	WB	30 - 130 %
Additional Semi-Volatile Compounds								
1,1-Biphenyl	ND	280	120	ug/Kg	1	08/05/20	WB	SW8270D
1,2,4,5-Tetrachlorobenzene	ND	280	140	ug/Kg	1	08/05/20	WB	SW8270D
Atrazine	ND	130	79	ug/Kg	1	08/05/20	WB	SW8270D
Benzaldehyde	ND	280	120	ug/Kg	1	08/05/20	WB	SW8270D
Benzo(a)pyrene	450	280	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	123			%	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	81			%	1	08/05/20	WB	30 - 130 %
% Phenol-d5	76			%	1	08/05/20	WB	30 - 130 %
% Terphenyl-d14	81			%	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.

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 13, 2020
Reviewed and Released by: Phyllis Shiller, Laboratory 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 13, 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	14:45
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: GCG47126
Phoenix ID: CG47127

Project ID: 8 WESTCHESTER AVE, NEW ROCHELLE NY
Client ID: 8WB GRAB (0-2`)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Percent Solid	83			%		08/04/20	HB	SW846-%Solid	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	4.2	0.83	ug/Kg	1	08/05/20	JLI	SW8260C	
1,1,1-Trichloroethane	ND	4.2	0.42	ug/Kg	1	08/05/20	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	4.2	0.83	ug/Kg	1	08/05/20	JLI	SW8260C	
1,1,2-Trichloroethane	ND	4.2	0.83	ug/Kg	1	08/05/20	JLI	SW8260C	
1,1-Dichloroethane	ND	4.2	0.83	ug/Kg	1	08/05/20	JLI	SW8260C	
1,1-Dichloroethene	ND	4.2	0.42	ug/Kg	1	08/05/20	JLI	SW8260C	
1,1-Dichloropropene	ND	4.2	0.42	ug/Kg	1	08/05/20	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	4.2	0.83	ug/Kg	1	08/05/20	JLI	SW8260C	
1,2,3-Trichloropropane	ND	4.2	0.42	ug/Kg	1	08/05/20	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	4.2	0.83	ug/Kg	1	08/05/20	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	4.2	0.42	ug/Kg	1	08/05/20	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	4.2	0.83	ug/Kg	1	08/05/20	JLI	SW8260C	
1,2-Dibromoethane	ND	1.2	0.42	ug/Kg	1	08/05/20	JLI	SW8260C	
1,2-Dichlorobenzene	ND	4.2	0.42	ug/Kg	1	08/05/20	JLI	SW8260C	
1,2-Dichloroethane	ND	4.2	0.42	ug/Kg	1	08/05/20	JLI	SW8260C	
1,2-Dichloropropane	ND	4.2	0.83	ug/Kg	1	08/05/20	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	4.2	0.42	ug/Kg	1	08/05/20	JLI	SW8260C	
1,3-Dichlorobenzene	ND	4.2	0.42	ug/Kg	1	08/05/20	JLI	SW8260C	
1,3-Dichloropropane	ND	4.2	0.83	ug/Kg	1	08/05/20	JLI	SW8260C	
1,4-Dichlorobenzene	ND	4.2	0.42	ug/Kg	1	08/05/20	JLI	SW8260C	
2,2-Dichloropropane	ND	4.2	0.42	ug/Kg	1	08/05/20	JLI	SW8260C	
2-Chlorotoluene	ND	4.2	0.83	ug/Kg	1	08/05/20	JLI	SW8260C	
2-Hexanone	ND	21	4.2	ug/Kg	1	08/05/20	JLI	SW8260C	
2-Isopropyltoluene	ND	4.2	0.42	ug/Kg	1	08/05/20	JLI	SW8260C	1
4-Chlorotoluene	ND	4.2	0.42	ug/Kg	1	08/05/20	JLI	SW8260C	

Project ID: 8 WESTCHESTER AVE, NEW ROCHELLE NY
Client ID: 8WB GRAB (0-2`)

Phoenix I.D.: CG47127

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	
4-Methyl-2-pentanone	ND	21	4.2	ug/Kg	1	08/05/20	JLI	SW8260C
Acetone	ND	21	4.2	ug/Kg	1	08/05/20	JLI	SW8260C
Acrylonitrile	ND	8.3	0.83	ug/Kg	1	08/05/20	JLI	SW8260C
Benzene	ND	4.2	0.42	ug/Kg	1	08/05/20	JLI	SW8260C
Bromobenzene	ND	4.2	0.42	ug/Kg	1	08/05/20	JLI	SW8260C
Bromochloromethane	ND	4.2	0.42	ug/Kg	1	08/05/20	JLI	SW8260C
Bromodichloromethane	ND	4.2	0.83	ug/Kg	1	08/05/20	JLI	SW8260C
Bromoform	ND	4.2	0.83	ug/Kg	1	08/05/20	JLI	SW8260C
Bromomethane	ND	4.2	1.7	ug/Kg	1	08/05/20	JLI	SW8260C
Carbon Disulfide	ND	4.2	0.83	ug/Kg	1	08/05/20	JLI	SW8260C
Carbon tetrachloride	ND	4.2	0.83	ug/Kg	1	08/05/20	JLI	SW8260C
Chlorobenzene	ND	4.2	0.42	ug/Kg	1	08/05/20	JLI	SW8260C
Chloroethane	ND	4.2	0.42	ug/Kg	1	08/05/20	JLI	SW8260C
Chloroform	ND	4.2	0.42	ug/Kg	1	08/05/20	JLI	SW8260C
Chloromethane	ND	4.2	0.83	ug/Kg	1	08/05/20	JLI	SW8260C
cis-1,2-Dichloroethene	ND	4.2	0.42	ug/Kg	1	08/05/20	JLI	SW8260C
cis-1,3-Dichloropropene	ND	4.2	0.42	ug/Kg	1	08/05/20	JLI	SW8260C
Dibromochloromethane	ND	4.2	0.83	ug/Kg	1	08/05/20	JLI	SW8260C
Dibromomethane	ND	4.2	0.83	ug/Kg	1	08/05/20	JLI	SW8260C
Dichlorodifluoromethane	ND	4.2	0.42	ug/Kg	1	08/05/20	JLI	SW8260C
Ethylbenzene	ND	4.2	0.42	ug/Kg	1	08/05/20	JLI	SW8260C
Hexachlorobutadiene	ND	4.2	0.42	ug/Kg	1	08/05/20	JLI	SW8260C
Isopropylbenzene	ND	4.2	0.42	ug/Kg	1	08/05/20	JLI	SW8260C
m&p-Xylene	ND	4.2	0.83	ug/Kg	1	08/05/20	JLI	SW8260C
Methyl Ethyl Ketone	ND	25	4.2	ug/Kg	1	08/05/20	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	8.3	0.83	ug/Kg	1	08/05/20	JLI	SW8260C
Methylene chloride	ND	4.2	4.2	ug/Kg	1	08/05/20	JLI	SW8260C
Naphthalene	ND	4.2	0.83	ug/Kg	1	08/05/20	JLI	SW8260C
n-Butylbenzene	ND	4.2	0.42	ug/Kg	1	08/05/20	JLI	SW8260C
n-Propylbenzene	ND	4.2	0.83	ug/Kg	1	08/05/20	JLI	SW8260C
o-Xylene	ND	4.2	0.83	ug/Kg	1	08/05/20	JLI	SW8260C
p-Isopropyltoluene	ND	4.2	0.42	ug/Kg	1	08/05/20	JLI	SW8260C
sec-Butylbenzene	ND	4.2	0.42	ug/Kg	1	08/05/20	JLI	SW8260C
Styrene	ND	4.2	0.42	ug/Kg	1	08/05/20	JLI	SW8260C
tert-Butylbenzene	ND	4.2	0.42	ug/Kg	1	08/05/20	JLI	SW8260C
Tetrachloroethene	ND	4.2	0.83	ug/Kg	1	08/05/20	JLI	SW8260C
Tetrahydrofuran (THF)	ND	8.3	2.1	ug/Kg	1	08/05/20	JLI	SW8260C
Toluene	ND	4.2	0.42	ug/Kg	1	08/05/20	JLI	SW8260C
trans-1,2-Dichloroethene	ND	4.2	0.42	ug/Kg	1	08/05/20	JLI	SW8260C
trans-1,3-Dichloropropene	ND	4.2	0.42	ug/Kg	1	08/05/20	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	8.3	2.1	ug/Kg	1	08/05/20	JLI	SW8260C
Trichloroethene	ND	4.2	0.42	ug/Kg	1	08/05/20	JLI	SW8260C
Trichlorofluoromethane	ND	4.2	0.83	ug/Kg	1	08/05/20	JLI	SW8260C
Trichlorotrifluoroethane	ND	4.2	0.42	ug/Kg	1	08/05/20	JLI	SW8260C
Vinyl chloride	ND	4.2	0.42	ug/Kg	1	08/05/20	JLI	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	99			%	1	08/05/20	JLI	70 - 130 %
% Bromofluorobenzene	98			%	1	08/05/20	JLI	70 - 130 %
% Dibromofluoromethane	95			%	1	08/05/20	JLI	70 - 130 %

Ver 1

Project ID: 8 WESTCHESTER AVE, NEW ROCHELLE NY
Client ID: 8WB GRAB (0-2`)

Phoenix I.D.: CG47127

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By		
% Toluene-d8	98			%	1	08/05/20	JLI	70 - 130 %	
1,4-dioxane									
1,4-dioxane	ND	62		ug/kg	1	08/05/20	JLI	SW8260C	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	99			%	1	08/05/20	JLI	70 - 130 %	
% Bromofluorobenzene	98			%	1	08/05/20	JLI	70 - 130 %	
% Dibromofluoromethane	95			%	1	08/05/20	JLI	70 - 130 %	
% Toluene-d8	98			%	1	08/05/20	JLI	70 - 130 %	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	17		ug/Kg	1	08/05/20	JLI	SW8260C	
Acrolein	ND	1.4		ug/Kg	1	08/05/20	JLI	SW8260C	
Acrylonitrile	ND	17		ug/Kg	1	08/05/20	JLI	SW8260C	
Tert-butyl alcohol	ND	83		ug/Kg	1	08/05/20	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 13, 2020

Reviewed and Released by: Phyllis Shiller, Laboratory Director

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

August 13, 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	15:40
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: GCG47126
Phoenix ID: CG47128

Project ID: 8 WESTCHESTER AVE, NEW ROCHELLE NY
Client ID: 8WB COMP (2-4`)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Silver	< 0.39	0.39		mg/Kg	1	08/05/20	CPP	SW6010D	
Aluminum	13100	39		mg/Kg	10	08/05/20	CPP	SW6010D	
Arsenic	1.54	0.79		mg/Kg	1	08/05/20	CPP	SW6010D	
Barium	69.9	0.8		mg/Kg	1	08/05/20	CPP	SW6010D	
Beryllium	0.43	0.31		mg/Kg	1	08/05/20	CPP	SW6010D	
Calcium	865	3.9		mg/Kg	1	08/05/20	CPP	SW6010D	
Cadmium	0.77	0.39		mg/Kg	1	08/05/20	CPP	SW6010D	
Cobalt	6.77	0.39		mg/Kg	1	08/05/20	CPP	SW6010D	
Chromium	22.5	0.39		mg/Kg	1	08/05/20	CPP	SW6010D	
Copper	15.7	0.8		mg/kg	1	08/05/20	CPP	SW6010D	
Iron	18000	39		mg/Kg	10	08/05/20	CPP	SW6010D	
Mercury	0.05	0.03		mg/Kg	2	08/05/20	RS	SW7471B	
Potassium	1800	8		mg/Kg	1	08/05/20	CPP	SW6010D	
Magnesium	2520	3.9		mg/Kg	1	08/05/20	CPP	SW6010D	
Manganese	394	3.9		mg/Kg	10	08/05/20	CPP	SW6010D	
Molybdenum	< 0.39	0.39		mg/Kg	1	08/05/20	CPP	SW6010D	
Sodium	149	8		mg/Kg	1	08/05/20	CPP	SW6010D	
Nickel	16.4	0.39		mg/Kg	1	08/05/20	CPP	SW6010D	
Lead	20.1	0.8		mg/Kg	1	08/05/20	CPP	SW6010D	
Antimony	< 3.9	3.9		mg/Kg	1	08/05/20	CPP	SW6010D	
Selenium	< 1.6	1.6		mg/Kg	1	08/05/20	CPP	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	0.30	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	RS	SW846 1311/7470	1

Ver 1

Project ID: 8 WESTCHESTER AVE, NEW ROCHELLE NY
Client ID: 8WB COMP (2-4`)

Phoenix I.D.: CG47128

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	0.11	0.10		mg/L	1	08/07/20	TH	SW846 1311/6010D	
Thallium	< 1.6	1.6		mg/Kg	1	08/05/20	CPP	SW6010D	
TCLP Metals Digestion	Completed					08/05/20	VT/VT	SW3010A	
Vanadium	28.2	0.39		mg/Kg	1	08/05/20	CPP	SW6010D	
Zinc	33.6	0.8		mg/Kg	1	08/05/20	CPP	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	08/05/20	ARG	1010/CH7/ASTMD92	
Chromium, Hex. (SW3060 digestion)	< 0.44	0.44		mg/Kg	1	08/06/20	ARG	SW7196A	
Ignitability	Passed	140		degree F	1	08/05/20	ARG	SW846-Ignit	1
pH at 25C - Soil	7.45	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	162			mV	1	08/04/20	MB	SM2580B-09	1
Total Cyanide (SW9010C Distill.)	< 0.57	0.57		mg/Kg	1	08/06/20	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	56	56	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)	58			%	1	08/05/20	JRB	40 - 140 %	
Chlorinated Herbicides									
2,4,5-T	ND	95		ug/Kg	10	08/05/20	JRB	SW8151A	
2,4,5-TP (Silvex)	ND	95		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	95		ug/Kg	10	08/05/20	JRB	SW8151A	
Dicamba	ND	95		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	57			%	10	08/05/20	JRB	30 - 150 %	
% DCAA (Confirmation)	65			%	10	08/05/20	JRB	30 - 150 %	
Polychlorinated Biphenyls									
PCB-1016	ND	75	75	ug/Kg	2	08/05/20	SC	SW8082A	

Ver 1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	
PCB-1221	ND	75	75	ug/Kg	2	08/05/20	SC	SW8082A
PCB-1232	ND	75	75	ug/Kg	2	08/05/20	SC	SW8082A
PCB-1242	ND	75	75	ug/Kg	2	08/05/20	SC	SW8082A
PCB-1248	ND	75	75	ug/Kg	2	08/05/20	SC	SW8082A
PCB-1254	ND	75	75	ug/Kg	2	08/05/20	SC	SW8082A
PCB-1260	ND	75	75	ug/Kg	2	08/05/20	SC	SW8082A
PCB-1262	ND	75	75	ug/Kg	2	08/05/20	SC	SW8082A
PCB-1268	ND	75	75	ug/Kg	2	08/05/20	SC	SW8082A
QA/QC Surrogates								
% DCBP	75			%	2	08/05/20	SC	30 - 150 %
% DCBP (Confirmation)	78			%	2	08/05/20	SC	30 - 150 %
% TCMX	63			%	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	08/05/20	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	7.5		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	7.5		ug/Kg	2	08/05/20	CG	SW8081B
Chlordane	ND	37		ug/Kg	2	08/05/20	CG	SW8081B
d-BHC	ND	7.5		ug/Kg	2	08/05/20	CG	SW8081B
Dieldrin	ND	3.7		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	3.7		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	37		ug/Kg	2	08/05/20	CG	SW8081B
Toxaphene	ND	150		ug/Kg	2	08/05/20	CG	SW8081B
QA/QC Surrogates								
% DCBP	53			%	2	08/05/20	CG	30 - 150 %
% DCBP (Confirmation)	65			%	2	08/05/20	CG	30 - 150 %
% TCMX	58			%	2	08/05/20	CG	30 - 150 %
% TCMX (Confirmation)	55			%	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	110	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: 8 WESTCHESTER AVE, NEW ROCHELLE NY
Client ID: 8WB COMP (2-4`)

Phoenix I.D.: CG47128

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	93	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	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	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	75	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	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	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	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	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	750	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	75	75	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	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	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: 8 WESTCHESTER AVE, NEW ROCHELLE NY
Client ID: 8WB COMP (2-4`)

Phoenix I.D.: CG47128

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	140	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	75	75	ug/Kg	1	08/05/20	WB	SW8270D
N-Nitrosodi-n-propylamine	ND	75	75	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	92	ug/Kg	1	08/05/20	WB	SW8270D
QA/QC Surrogates								
% 2,4,6-Tribromophenol	109			%	1	08/05/20	WB	30 - 130 %
% 2-Fluorobiphenyl	84			%	1	08/05/20	WB	30 - 130 %
% 2-Fluorophenol	77			%	1	08/05/20	WB	30 - 130 %
% Nitrobenzene-d5	79			%	1	08/05/20	WB	30 - 130 %
% Phenol-d5	80			%	1	08/05/20	WB	30 - 130 %
% Terphenyl-d14	74			%	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	75	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	109			%	1	08/05/20	WB	30 - 130 %
% 2-Fluorobiphenyl	84			%	1	08/05/20	WB	30 - 130 %
% 2-Fluorophenol	77			%	1	08/05/20	WB	30 - 130 %
% Nitrobenzene-d5	79			%	1	08/05/20	WB	30 - 130 %
% Phenol-d5	80			%	1	08/05/20	WB	30 - 130 %
% Terphenyl-d14	74			%	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.

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 13, 2020
Reviewed and Released by: Phyllis Shiller, Laboratory 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 13, 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	14:50
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: GCG47126
Phoenix ID: CG47129

Project ID: 8 WESTCHESTER AVE, NEW ROCHELLE NY
Client ID: 8WB GRAB (2-4`)

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		4.2	0.84	ug/Kg	1	08/06/20	JLI	SW8260C	
1,1,1-Trichloroethane	ND		4.2	0.42	ug/Kg	1	08/06/20	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND		4.2	0.84	ug/Kg	1	08/06/20	JLI	SW8260C	
1,1,2-Trichloroethane	ND		4.2	0.84	ug/Kg	1	08/06/20	JLI	SW8260C	
1,1-Dichloroethane	ND		4.2	0.84	ug/Kg	1	08/06/20	JLI	SW8260C	
1,1-Dichloroethene	ND		4.2	0.42	ug/Kg	1	08/06/20	JLI	SW8260C	
1,1-Dichloropropene	ND		4.2	0.42	ug/Kg	1	08/06/20	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND		4.2	0.84	ug/Kg	1	08/06/20	JLI	SW8260C	
1,2,3-Trichloropropane	ND		4.2	0.42	ug/Kg	1	08/06/20	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND		4.2	0.84	ug/Kg	1	08/06/20	JLI	SW8260C	
1,2,4-Trimethylbenzene	2.8	J	4.2	0.42	ug/Kg	1	08/06/20	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND		4.2	0.84	ug/Kg	1	08/06/20	JLI	SW8260C	
1,2-Dibromoethane	ND		1.2	0.42	ug/Kg	1	08/06/20	JLI	SW8260C	
1,2-Dichlorobenzene	ND		4.2	0.42	ug/Kg	1	08/06/20	JLI	SW8260C	
1,2-Dichloroethane	ND		4.2	0.42	ug/Kg	1	08/06/20	JLI	SW8260C	
1,2-Dichloropropane	ND		4.2	0.84	ug/Kg	1	08/06/20	JLI	SW8260C	
1,3,5-Trimethylbenzene	0.42	J	4.2	0.42	ug/Kg	1	08/06/20	JLI	SW8260C	
1,3-Dichlorobenzene	ND		4.2	0.42	ug/Kg	1	08/06/20	JLI	SW8260C	
1,3-Dichloropropane	ND		4.2	0.84	ug/Kg	1	08/06/20	JLI	SW8260C	
1,4-Dichlorobenzene	ND		4.2	0.42	ug/Kg	1	08/06/20	JLI	SW8260C	
2,2-Dichloropropane	ND		4.2	0.42	ug/Kg	1	08/06/20	JLI	SW8260C	
2-Chlorotoluene	ND		4.2	0.84	ug/Kg	1	08/06/20	JLI	SW8260C	
2-Hexanone	ND		21	4.2	ug/Kg	1	08/06/20	JLI	SW8260C	
2-Isopropyltoluene	ND		4.2	0.42	ug/Kg	1	08/06/20	JLI	SW8260C	1
4-Chlorotoluene	ND		4.2	0.42	ug/Kg	1	08/06/20	JLI	SW8260C	

Project ID: 8 WESTCHESTER AVE, NEW ROCHELLE NY
Client ID: 8WB GRAB (2-4`)

Phoenix I.D.: CG47129

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	
4-Methyl-2-pentanone	ND		21	4.2	ug/Kg	1	08/06/20	JLI	SW8260C
Acetone	32	S	21	4.2	ug/Kg	1	08/06/20	JLI	SW8260C
Acrylonitrile	ND		8.4	0.84	ug/Kg	1	08/06/20	JLI	SW8260C
Benzene	0.42	J	4.2	0.42	ug/Kg	1	08/06/20	JLI	SW8260C
Bromobenzene	ND		4.2	0.42	ug/Kg	1	08/06/20	JLI	SW8260C
Bromochloromethane	ND		4.2	0.42	ug/Kg	1	08/06/20	JLI	SW8260C
Bromodichloromethane	ND		4.2	0.84	ug/Kg	1	08/06/20	JLI	SW8260C
Bromoform	ND		4.2	0.84	ug/Kg	1	08/06/20	JLI	SW8260C
Bromomethane	ND		4.2	1.7	ug/Kg	1	08/06/20	JLI	SW8260C
Carbon Disulfide	ND		4.2	0.84	ug/Kg	1	08/06/20	JLI	SW8260C
Carbon tetrachloride	ND		4.2	0.84	ug/Kg	1	08/06/20	JLI	SW8260C
Chlorobenzene	ND		4.2	0.42	ug/Kg	1	08/06/20	JLI	SW8260C
Chloroethane	ND		4.2	0.42	ug/Kg	1	08/06/20	JLI	SW8260C
Chloroform	ND		4.2	0.42	ug/Kg	1	08/06/20	JLI	SW8260C
Chloromethane	ND		4.2	0.84	ug/Kg	1	08/06/20	JLI	SW8260C
cis-1,2-Dichloroethene	ND		4.2	0.42	ug/Kg	1	08/06/20	JLI	SW8260C
cis-1,3-Dichloropropene	ND		4.2	0.42	ug/Kg	1	08/06/20	JLI	SW8260C
Dibromochloromethane	ND		4.2	0.84	ug/Kg	1	08/06/20	JLI	SW8260C
Dibromomethane	ND		4.2	0.84	ug/Kg	1	08/06/20	JLI	SW8260C
Dichlorodifluoromethane	ND		4.2	0.42	ug/Kg	1	08/06/20	JLI	SW8260C
Ethylbenzene	ND		4.2	0.42	ug/Kg	1	08/06/20	JLI	SW8260C
Hexachlorobutadiene	ND		4.2	0.42	ug/Kg	1	08/06/20	JLI	SW8260C
Isopropylbenzene	ND		4.2	0.42	ug/Kg	1	08/06/20	JLI	SW8260C
m&p-Xylene	1.8	J	4.2	0.84	ug/Kg	1	08/06/20	JLI	SW8260C
Methyl Ethyl Ketone	ND		25	4.2	ug/Kg	1	08/06/20	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND		8.4	0.84	ug/Kg	1	08/06/20	JLI	SW8260C
Methylene chloride	ND		4.2	4.2	ug/Kg	1	08/06/20	JLI	SW8260C
Naphthalene	2.1	J	4.2	0.84	ug/Kg	1	08/06/20	JLI	SW8260C
n-Butylbenzene	0.52	J	4.2	0.42	ug/Kg	1	08/06/20	JLI	SW8260C
n-Propylbenzene	ND		4.2	0.84	ug/Kg	1	08/06/20	JLI	SW8260C
o-Xylene	ND		4.2	0.84	ug/Kg	1	08/06/20	JLI	SW8260C
p-Isopropyltoluene	ND		4.2	0.42	ug/Kg	1	08/06/20	JLI	SW8260C
sec-Butylbenzene	0.79	J	4.2	0.42	ug/Kg	1	08/06/20	JLI	SW8260C
Styrene	ND		4.2	0.42	ug/Kg	1	08/06/20	JLI	SW8260C
tert-Butylbenzene	ND		4.2	0.42	ug/Kg	1	08/06/20	JLI	SW8260C
Tetrachloroethene	ND		4.2	0.84	ug/Kg	1	08/06/20	JLI	SW8260C
Tetrahydrofuran (THF)	ND		8.4	2.1	ug/Kg	1	08/06/20	JLI	SW8260C
Toluene	ND		4.2	0.42	ug/Kg	1	08/06/20	JLI	SW8260C
trans-1,2-Dichloroethene	ND		4.2	0.42	ug/Kg	1	08/06/20	JLI	SW8260C
trans-1,3-Dichloropropene	ND		4.2	0.42	ug/Kg	1	08/06/20	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND		8.4	2.1	ug/Kg	1	08/06/20	JLI	SW8260C
Trichloroethene	ND		4.2	0.42	ug/Kg	1	08/06/20	JLI	SW8260C
Trichlorofluoromethane	ND		4.2	0.84	ug/Kg	1	08/06/20	JLI	SW8260C
Trichlorotrifluoroethane	ND		4.2	0.42	ug/Kg	1	08/06/20	JLI	SW8260C
Vinyl chloride	ND		4.2	0.42	ug/Kg	1	08/06/20	JLI	SW8260C
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	100				%	1	08/06/20	JLI	70 - 130 %
% Bromofluorobenzene	99				%	1	08/06/20	JLI	70 - 130 %
% Dibromofluoromethane	91				%	1	08/06/20	JLI	70 - 130 %

Project ID: 8 WESTCHESTER AVE, NEW ROCHELLE NY
Client ID: 8WB GRAB (2-4`)

Phoenix I.D.: CG47129

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By		
% Toluene-d8	98			%	1	08/06/20	JLI	70 - 130 %	
1,4-dioxane									
1,4-dioxane	ND	63		ug/kg	1	08/06/20	JLI	SW8260C	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	100			%	1	08/06/20	JLI	70 - 130 %	
% Bromofluorobenzene	99			%	1	08/06/20	JLI	70 - 130 %	
% Dibromofluoromethane	91			%	1	08/06/20	JLI	70 - 130 %	
% Toluene-d8	98			%	1	08/06/20	JLI	70 - 130 %	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	17		ug/Kg	1	08/06/20	JLI	SW8260C	
Acrolein	ND	1.4		ug/Kg	1	08/06/20	JLI	SW8260C	
Acrylonitrile	ND	17		ug/Kg	1	08/06/20	JLI	SW8260C	
Tert-butyl alcohol	ND	84		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 13, 2020
Reviewed and Released by: Phyllis Shiller, Laboratory 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 13, 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	15:52
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: GCG47126
Phoenix ID: CG47130

Project ID: 8 WESTCHESTER AVE, NEW ROCHELLE NY
Client ID: 8WB COMP (4-6`)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Silver	< 0.40	0.40		mg/Kg	1	08/05/20	CPP	SW6010D	
Aluminum	14600	40		mg/Kg	10	08/05/20	CPP	SW6010D	
Arsenic	3.10	0.79		mg/Kg	1	08/05/20	CPP	SW6010D	
Barium	71.7	0.8		mg/Kg	1	08/05/20	CPP	SW6010D	
Beryllium	0.42	0.32		mg/Kg	1	08/05/20	CPP	SW6010D	
Calcium	1240	4.0		mg/Kg	1	08/05/20	CPP	SW6010D	
Cadmium	0.90	0.40		mg/Kg	1	08/05/20	CPP	SW6010D	
Cobalt	9.50	0.40		mg/Kg	1	08/05/20	CPP	SW6010D	
Chromium	25.6	0.40		mg/Kg	1	08/05/20	CPP	SW6010D	
Copper	20.4	0.8		mg/kg	1	08/05/20	CPP	SW6010D	
Iron	23900	40		mg/Kg	10	08/05/20	CPP	SW6010D	
Mercury	< 0.03	0.03		mg/Kg	2	08/05/20	RS	SW7471B	
Potassium	2110	8		mg/Kg	1	08/05/20	CPP	SW6010D	
Magnesium	3380	4.0		mg/Kg	1	08/05/20	CPP	SW6010D	
Manganese	246	4.0		mg/Kg	10	08/05/20	CPP	SW6010D	
Molybdenum	< 0.40	0.40		mg/Kg	1	08/05/20	CPP	SW6010D	
Sodium	128	8		mg/Kg	1	08/05/20	CPP	SW6010D	
Nickel	16.3	0.40		mg/Kg	1	08/05/20	CPP	SW6010D	
Lead	5.5	0.8		mg/Kg	1	08/05/20	CPP	SW6010D	
Antimony	< 4.0	4.0		mg/Kg	1	08/05/20	CPP	SW6010D	
Selenium	< 1.6	1.6		mg/Kg	1	08/05/20	CPP	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	0.39	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: 8 WESTCHESTER AVE, NEW ROCHELLE NY
Client ID: 8WB COMP (4-6`)

Phoenix I.D.: CG47130

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	0.28	0.10		mg/L	1	08/06/20	TH	SW846 1311/6010D	
Thallium	< 1.6	1.6		mg/Kg	1	08/05/20	CPP	SW6010D	
TCLP Metals Digestion	Completed					08/05/20	VT/VT	SW3010A	
Vanadium	34.1	0.40		mg/Kg	1	08/05/20	CPP	SW6010D	
Zinc	32.5	0.8		mg/Kg	1	08/05/20	CPP	SW6010D	
Percent Solid	83			%		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	08/06/20	BJA	1010/CH7/ASTMD92	
Chromium, Hex. (SW3060 digestion)	< 0.45	0.45		mg/Kg	1	08/06/20	ARG	SW7196A	
Ignitability	Passed	140		degree F	1	08/06/20	BJA	SW846-Ignit	1
pH at 25C - Soil	7.53	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	159			mV	1	08/04/20	MB	SM2580B-09	1
Total Cyanide (SW9010C Distill.)	< 0.60	0.60		mg/Kg	1	08/06/20	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	59	59	mg/kg	1	08/05/20	JRB	NJEPH 10-08 R3	1
QA/QC Surrogates									
% COD (surr)	54			%	1	08/05/20	JRB	40 - 140 %	
% Terphenyl (surr)	61			%	1	08/05/20	JRB	40 - 140 %	
Chlorinated Herbicides									
2,4,5-T	ND	100		ug/Kg	10	08/05/20	JRB	SW8151A	
2,4,5-TP (Silvex)	ND	100		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	100		ug/Kg	10	08/05/20	JRB	SW8151A	
Dicamba	ND	100		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	49			%	10	08/05/20	JRB	30 - 150 %	
% DCAA (Confirmation)	54			%	10	08/05/20	JRB	30 - 150 %	
Polychlorinated Biphenyls									
PCB-1016	ND	79	79	ug/Kg	2	08/05/20	SC	SW8082A	

Ver 1

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	68			%	2	08/05/20	SC	30 - 150 %
% DCBP (Confirmation)	71			%	2	08/05/20	SC	30 - 150 %
% TCMX	62			%	2	08/05/20	SC	30 - 150 %
% TCMX (Confirmation)	63			%	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	4.0		ug/Kg	2	08/05/20	CG	SW8081B
Aldrin	ND	4.0		ug/Kg	2	08/05/20	CG	SW8081B
b-BHC	ND	7.9		ug/Kg	2	08/05/20	CG	SW8081B
Chlordane	ND	40		ug/Kg	2	08/05/20	CG	SW8081B
d-BHC	ND	7.9		ug/Kg	2	08/05/20	CG	SW8081B
Dieldrin	ND	4.0		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	4.0		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	40		ug/Kg	2	08/05/20	CG	SW8081B
Toxaphene	ND	160		ug/Kg	2	08/05/20	CG	SW8081B
QA/QC Surrogates								
% DCBP	63			%	2	08/05/20	CG	30 - 150 %
% DCBP (Confirmation)	64			%	2	08/05/20	CG	30 - 150 %
% TCMX	55			%	2	08/05/20	CG	30 - 150 %
% TCMX (Confirmation)	54			%	2	08/05/20	CG	30 - 150 %
Semivolatiles								
1,2,4,5-Tetrachlorobenzene	ND	280	140	ug/Kg	1	08/05/20	WB	SW8270D
1,2,4-Trichlorobenzene	ND	280	120	ug/Kg	1	08/05/20	WB	SW8270D
1,2-Dichlorobenzene	ND	280	110	ug/Kg	1	08/05/20	WB	SW8270D
1,2-Diphenylhydrazine	ND	280	130	ug/Kg	1	08/05/20	WB	SW8270D
1,3-Dichlorobenzene	ND	280	120	ug/Kg	1	08/05/20	WB	SW8270D
1,4-Dichlorobenzene	ND	280	120	ug/Kg	1	08/05/20	WB	SW8270D

Project ID: 8 WESTCHESTER AVE, NEW ROCHELLE NY
Client ID: 8WB COMP (4-6`)

Phoenix I.D.: CG47130

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By		
2,4,5-Trichlorophenol	ND	280	220	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	280	98	ug/Kg	1	08/05/20	WB	SW8270D	
2,4-Dinitrophenol	ND	280	280	ug/Kg	1	08/05/20	WB	SW8270D	
2,4-Dinitrotoluene	ND	200	160	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	280	110	ug/Kg	1	08/05/20	WB	SW8270D	
2-Chlorophenol	ND	280	110	ug/Kg	1	08/05/20	WB	SW8270D	
2-Methylnaphthalene	ND	280	120	ug/Kg	1	08/05/20	WB	SW8270D	
2-Methylphenol (o-cresol)	ND	280	190	ug/Kg	1	08/05/20	WB	SW8270D	
2-Nitroaniline	ND	100	100	ug/Kg	1	08/05/20	WB	SW8270D	
2-Nitrophenol	ND	280	250	ug/Kg	1	08/05/20	WB	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND	280	160	ug/Kg	1	08/05/20	WB	SW8270D	1
3,3'-Dichlorobenzidine	ND	200	190	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	240	79	ug/Kg	1	08/05/20	WB	SW8270D	
4-Bromophenyl phenyl ether	ND	280	120	ug/Kg	1	08/05/20	WB	SW8270D	
4-Chloro-3-methylphenol	ND	280	140	ug/Kg	1	08/05/20	WB	SW8270D	
4-Chloroaniline	ND	320	180	ug/Kg	1	08/05/20	WB	SW8270D	
4-Chlorophenyl phenyl ether	ND	280	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	280	120	ug/Kg	1	08/05/20	WB	SW8270D	
Acenaphthylene	ND	280	110	ug/Kg	1	08/05/20	WB	SW8270D	
Acetophenone	ND	280	120	ug/Kg	1	08/05/20	WB	SW8270D	
Aniline	ND	320	320	ug/Kg	1	08/05/20	WB	SW8270D	
Anthracene	ND	280	130	ug/Kg	1	08/05/20	WB	SW8270D	
Benz(a)anthracene	ND	280	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	280	140	ug/Kg	1	08/05/20	WB	SW8270D	
Benzo(ghi)perylene	ND	280	130	ug/Kg	1	08/05/20	WB	SW8270D	
Benzo(k)fluoranthene	ND	280	130	ug/Kg	1	08/05/20	WB	SW8270D	
Benzoic acid	ND	2000	790	ug/Kg	1	08/05/20	WB	SW8270D	
Benzyl butyl phthalate	ND	280	100	ug/Kg	1	08/05/20	WB	SW8270D	
Bis(2-chloroethoxy)methane	ND	280	110	ug/Kg	1	08/05/20	WB	SW8270D	
Bis(2-chloroethyl)ether	ND	79	79	ug/Kg	1	08/05/20	WB	SW8270D	
Bis(2-chloroisopropyl)ether	ND	280	110	ug/Kg	1	08/05/20	WB	SW8270D	
Bis(2-ethylhexyl)phthalate	ND	280	110	ug/Kg	1	08/05/20	WB	SW8270D	
Carbazole	ND	200	160	ug/Kg	1	08/05/20	WB	SW8270D	
Chrysene	ND	280	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	280	120	ug/Kg	1	08/05/20	WB	SW8270D	
Diethyl phthalate	ND	280	120	ug/Kg	1	08/05/20	WB	SW8270D	
Dimethylphthalate	ND	280	120	ug/Kg	1	08/05/20	WB	SW8270D	
Di-n-butylphthalate	ND	280	110	ug/Kg	1	08/05/20	WB	SW8270D	
Di-n-octylphthalate	ND	280	100	ug/Kg	1	08/05/20	WB	SW8270D	
Fluoranthene	ND	280	130	ug/Kg	1	08/05/20	WB	SW8270D	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	
Fluorene	ND	280	130	ug/Kg	1	08/05/20	WB	SW8270D
Hexachlorobenzene	ND	200	120	ug/Kg	1	08/05/20	WB	SW8270D
Hexachlorobutadiene	ND	280	140	ug/Kg	1	08/05/20	WB	SW8270D
Hexachlorocyclopentadiene	ND	280	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	280	130	ug/Kg	1	08/05/20	WB	SW8270D
Isophorone	ND	200	110	ug/Kg	1	08/05/20	WB	SW8270D
Naphthalene	ND	280	110	ug/Kg	1	08/05/20	WB	SW8270D
Nitrobenzene	ND	200	140	ug/Kg	1	08/05/20	WB	SW8270D
N-Nitrosodimethylamine	ND	79	79	ug/Kg	1	08/05/20	WB	SW8270D
N-Nitrosodi-n-propylamine	ND	79	79	ug/Kg	1	08/05/20	WB	SW8270D
N-Nitrosodiphenylamine	ND	280	150	ug/Kg	1	08/05/20	WB	SW8270D
Pentachloronitrobenzene	ND	280	150	ug/Kg	1	08/05/20	WB	SW8270D
Pentachlorophenol	ND	240	150	ug/Kg	1	08/05/20	WB	SW8270D
Phenanthrene	ND	280	110	ug/Kg	1	08/05/20	WB	SW8270D
Phenol	ND	280	130	ug/Kg	1	08/05/20	WB	SW8270D
Pyrene	ND	280	140	ug/Kg	1	08/05/20	WB	SW8270D
Pyridine	ND	220	97	ug/Kg	1	08/05/20	WB	SW8270D
QA/QC Surrogates								
% 2,4,6-Tribromophenol	115			%	1	08/05/20	WB	30 - 130 %
% 2-Fluorobiphenyl	78			%	1	08/05/20	WB	30 - 130 %
% 2-Fluorophenol	61			%	1	08/05/20	WB	30 - 130 %
% Nitrobenzene-d5	74			%	1	08/05/20	WB	30 - 130 %
% Phenol-d5	74			%	1	08/05/20	WB	30 - 130 %
% Terphenyl-d14	82			%	1	08/05/20	WB	30 - 130 %

Additional Semi-Volatile Compounds

1,1-Biphenyl	ND	280	120	ug/Kg	1	08/05/20	WB	SW8270D
1,2,4,5-Tetrachlorobenzene	ND	280	140	ug/Kg	1	08/05/20	WB	SW8270D
Atrazine	ND	130	79	ug/Kg	1	08/05/20	WB	SW8270D
Benzaldehyde	ND	280	120	ug/Kg	1	08/05/20	WB	SW8270D
Benzo(a)pyrene	ND	280	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	115			%	1	08/05/20	WB	30 - 130 %
% 2-Fluorobiphenyl	78			%	1	08/05/20	WB	30 - 130 %
% 2-Fluorophenol	61			%	1	08/05/20	WB	30 - 130 %
% Nitrobenzene-d5	74			%	1	08/05/20	WB	30 - 130 %
% Phenol-d5	74			%	1	08/05/20	WB	30 - 130 %
% Terphenyl-d14	82			%	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.

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 13, 2020
Reviewed and Released by: Phyllis Shiller, Laboratory 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 13, 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	14:55
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: GCG47126
Phoenix ID: CG47131

Project ID: 8 WESTCHESTER AVE, NEW ROCHELLE NY
Client ID: 8WB GRAB (4-6`)

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Percent Solid	89				%		08/04/20	HB	SW846-%Solid	
Volatiles										
1,1,1,2-Tetrachloroethane	ND		3.4	0.69	ug/Kg	1	08/07/20	JLI	SW8260C	
1,1,1-Trichloroethane	ND		3.4	0.34	ug/Kg	1	08/07/20	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND		3.4	0.69	ug/Kg	1	08/07/20	JLI	SW8260C	
1,1,2-Trichloroethane	ND		3.4	0.69	ug/Kg	1	08/07/20	JLI	SW8260C	
1,1-Dichloroethane	ND		3.4	0.69	ug/Kg	1	08/07/20	JLI	SW8260C	
1,1-Dichloroethene	ND		3.4	0.34	ug/Kg	1	08/07/20	JLI	SW8260C	
1,1-Dichloropropene	ND		3.4	0.34	ug/Kg	1	08/07/20	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND		3.4	0.69	ug/Kg	1	08/07/20	JLI	SW8260C	
1,2,3-Trichloropropane	ND		3.4	0.34	ug/Kg	1	08/07/20	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND		3.4	0.69	ug/Kg	1	08/07/20	JLI	SW8260C	
1,2,4-Trimethylbenzene	9.3		3.4	0.34	ug/Kg	1	08/07/20	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND		3.4	0.69	ug/Kg	1	08/07/20	JLI	SW8260C	
1,2-Dibromoethane	ND		1.2	0.34	ug/Kg	1	08/07/20	JLI	SW8260C	
1,2-Dichlorobenzene	ND		3.4	0.34	ug/Kg	1	08/07/20	JLI	SW8260C	
1,2-Dichloroethane	ND		3.4	0.34	ug/Kg	1	08/07/20	JLI	SW8260C	
1,2-Dichloropropane	ND		3.4	0.69	ug/Kg	1	08/07/20	JLI	SW8260C	
1,3,5-Trimethylbenzene	1.4	J	3.4	0.34	ug/Kg	1	08/07/20	JLI	SW8260C	
1,3-Dichlorobenzene	ND		3.4	0.34	ug/Kg	1	08/07/20	JLI	SW8260C	
1,3-Dichloropropane	ND		3.4	0.69	ug/Kg	1	08/07/20	JLI	SW8260C	
1,4-Dichlorobenzene	ND		3.4	0.34	ug/Kg	1	08/07/20	JLI	SW8260C	
2,2-Dichloropropane	ND		3.4	0.34	ug/Kg	1	08/07/20	JLI	SW8260C	
2-Chlorotoluene	ND		3.4	0.69	ug/Kg	1	08/07/20	JLI	SW8260C	
2-Hexanone	ND		17	3.4	ug/Kg	1	08/07/20	JLI	SW8260C	
2-Isopropyltoluene	ND		3.4	0.34	ug/Kg	1	08/07/20	JLI	SW8260C	1
4-Chlorotoluene	ND		3.4	0.34	ug/Kg	1	08/07/20	JLI	SW8260C	

Project ID: 8 WESTCHESTER AVE, NEW ROCHELLE NY
Client ID: 8WB GRAB (4-6`)

Phoenix I.D.: CG47131

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	
4-Methyl-2-pentanone	ND		17	3.4	ug/Kg	1	08/07/20	JLI	SW8260C
Acetone	36	S	17	3.4	ug/Kg	1	08/07/20	JLI	SW8260C
Acrylonitrile	ND		6.9	0.69	ug/Kg	1	08/07/20	JLI	SW8260C
Benzene	ND		3.4	0.34	ug/Kg	1	08/07/20	JLI	SW8260C
Bromobenzene	ND		3.4	0.34	ug/Kg	1	08/07/20	JLI	SW8260C
Bromochloromethane	ND		3.4	0.34	ug/Kg	1	08/07/20	JLI	SW8260C
Bromodichloromethane	ND		3.4	0.69	ug/Kg	1	08/07/20	JLI	SW8260C
Bromoform	ND		3.4	0.69	ug/Kg	1	08/07/20	JLI	SW8260C
Bromomethane	ND		3.4	1.4	ug/Kg	1	08/07/20	JLI	SW8260C
Carbon Disulfide	1.6	J	3.4	0.69	ug/Kg	1	08/07/20	JLI	SW8260C
Carbon tetrachloride	ND		3.4	0.69	ug/Kg	1	08/07/20	JLI	SW8260C
Chlorobenzene	ND		3.4	0.34	ug/Kg	1	08/07/20	JLI	SW8260C
Chloroethane	ND		3.4	0.34	ug/Kg	1	08/07/20	JLI	SW8260C
Chloroform	ND		3.4	0.34	ug/Kg	1	08/07/20	JLI	SW8260C
Chloromethane	ND		3.4	0.69	ug/Kg	1	08/07/20	JLI	SW8260C
cis-1,2-Dichloroethene	ND		3.4	0.34	ug/Kg	1	08/07/20	JLI	SW8260C
cis-1,3-Dichloropropene	ND		3.4	0.34	ug/Kg	1	08/07/20	JLI	SW8260C
Dibromochloromethane	ND		3.4	0.69	ug/Kg	1	08/07/20	JLI	SW8260C
Dibromomethane	ND		3.4	0.69	ug/Kg	1	08/07/20	JLI	SW8260C
Dichlorodifluoromethane	ND		3.4	0.34	ug/Kg	1	08/07/20	JLI	SW8260C
Ethylbenzene	2.1	J	3.4	0.34	ug/Kg	1	08/07/20	JLI	SW8260C
Hexachlorobutadiene	ND		3.4	0.34	ug/Kg	1	08/07/20	JLI	SW8260C
Isopropylbenzene	1.4	J	3.4	0.34	ug/Kg	1	08/07/20	JLI	SW8260C
m&p-Xylene	3.5		3.4	0.69	ug/Kg	1	08/07/20	JLI	SW8260C
Methyl Ethyl Ketone	ND		21	3.4	ug/Kg	1	08/07/20	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND		6.9	0.69	ug/Kg	1	08/07/20	JLI	SW8260C
Methylene chloride	ND		3.4	3.4	ug/Kg	1	08/07/20	JLI	SW8260C
Naphthalene	2.9	J	3.4	0.69	ug/Kg	1	08/07/20	JLI	SW8260C
n-Butylbenzene	1.4	J	3.4	0.34	ug/Kg	1	08/07/20	JLI	SW8260C
n-Propylbenzene	3.6		3.4	0.69	ug/Kg	1	08/07/20	JLI	SW8260C
o-Xylene	ND		3.4	0.69	ug/Kg	1	08/07/20	JLI	SW8260C
p-Isopropyltoluene	0.80	J	3.4	0.34	ug/Kg	1	08/07/20	JLI	SW8260C
sec-Butylbenzene	1.5	J	3.4	0.34	ug/Kg	1	08/07/20	JLI	SW8260C
Styrene	ND		3.4	0.34	ug/Kg	1	08/07/20	JLI	SW8260C
tert-Butylbenzene	ND		3.4	0.34	ug/Kg	1	08/07/20	JLI	SW8260C
Tetrachloroethene	ND		3.4	0.69	ug/Kg	1	08/07/20	JLI	SW8260C
Tetrahydrofuran (THF)	ND		6.9	1.7	ug/Kg	1	08/07/20	JLI	SW8260C
Toluene	ND		3.4	0.34	ug/Kg	1	08/07/20	JLI	SW8260C
trans-1,2-Dichloroethene	ND		3.4	0.34	ug/Kg	1	08/07/20	JLI	SW8260C
trans-1,3-Dichloropropene	ND		3.4	0.34	ug/Kg	1	08/07/20	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND		6.9	1.7	ug/Kg	1	08/07/20	JLI	SW8260C
Trichloroethene	ND		3.4	0.34	ug/Kg	1	08/07/20	JLI	SW8260C
Trichlorofluoromethane	ND		3.4	0.69	ug/Kg	1	08/07/20	JLI	SW8260C
Trichlorotrifluoroethane	ND		3.4	0.34	ug/Kg	1	08/07/20	JLI	SW8260C
Vinyl chloride	ND		3.4	0.34	ug/Kg	1	08/07/20	JLI	SW8260C
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	99				%	1	08/07/20	JLI	70 - 130 %
% Bromofluorobenzene	100				%	1	08/07/20	JLI	70 - 130 %
% Dibromofluoromethane	87				%	1	08/07/20	JLI	70 - 130 %

Ver 1

Project ID: 8 WESTCHESTER AVE, NEW ROCHELLE NY
Client ID: 8WB GRAB (4-6`)

Phoenix I.D.: CG47131

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By		
% Toluene-d8	98			%	1	08/07/20	JLI	70 - 130 %	
1,4-dioxane									
1,4-dioxane	ND	51		ug/kg	1	08/07/20	JLI	SW8260C	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	99			%	1	08/07/20	JLI	70 - 130 %	
% Bromofluorobenzene	100			%	1	08/07/20	JLI	70 - 130 %	
% Dibromofluoromethane	87			%	1	08/07/20	JLI	70 - 130 %	
% Toluene-d8	98			%	1	08/07/20	JLI	70 - 130 %	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	14		ug/Kg	1	08/07/20	JLI	SW8260C	
Acrolein	ND	1.4		ug/Kg	1	08/07/20	JLI	SW8260C	
Acrylonitrile	ND	14		ug/Kg	1	08/07/20	JLI	SW8260C	
Tert-butyl alcohol	ND	69		ug/Kg	1	08/07/20	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 13, 2020
Reviewed and Released by: Phyllis Shiller, Laboratory 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 13, 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	16:09
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: GCG47126
Phoenix ID: CG47132

Project ID: 8 WESTCHESTER AVE, NEW ROCHELLE NY
Client ID: 8WB COMP (6-8`)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Silver	< 0.33	0.33		mg/Kg	1	08/05/20	TH	SW6010D	
Aluminum	16000	33		mg/Kg	10	08/05/20	TH	SW6010D	
Arsenic	< 0.65	0.65		mg/Kg	1	08/05/20	TH	SW6010D	
Barium	125	0.7		mg/Kg	1	08/05/20	TH	SW6010D	
Beryllium	0.42	0.26		mg/Kg	1	08/05/20	TH	SW6010D	
Calcium	1030	3.3		mg/Kg	1	08/05/20	TH	SW6010D	
Cadmium	1.06	0.33		mg/Kg	1	08/05/20	TH	SW6010D	
Cobalt	13.7	0.33		mg/Kg	1	08/05/20	TH	SW6010D	
Chromium	40.0	0.33		mg/Kg	1	08/05/20	TH	SW6010D	
Copper	23.7	0.7		mg/kg	1	08/05/20	TH	SW6010D	
Iron	31400	33		mg/Kg	10	08/05/20	EK	SW6010D	
Mercury	< 0.03	0.03		mg/Kg	2	08/05/20	RS	SW7471B	
Potassium	7690	65		mg/Kg	10	08/05/20	EK	SW6010D	
Magnesium	5760	33		mg/Kg	10	08/05/20	TH	SW6010D	
Manganese	381	3.3		mg/Kg	10	08/05/20	EK	SW6010D	
Molybdenum	0.64	0.33		mg/Kg	1	08/05/20	TH	SW6010D	
Sodium	139	7		mg/Kg	1	08/05/20	EK	SW6010D	
Nickel	24.0	0.33		mg/Kg	1	08/05/20	TH	SW6010D	
Lead	5.8	0.7		mg/Kg	1	08/05/20	TH	SW6010D	
Antimony	< 3.3	3.3		mg/Kg	1	08/05/20	TH	SW6010D	
Selenium	< 1.3	1.3		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	0.35	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: 8 WESTCHESTER AVE, NEW ROCHELLE NY
Client ID: 8WB COMP (6-8`)

Phoenix I.D.: CG47132

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	0.18	0.10		mg/L	1	08/06/20	TH	SW846 1311/6010D	
Thallium	< 1.3	1.3		mg/Kg	1	08/05/20	TH	SW6010D	
TCLP Metals Digestion	Completed					08/05/20	VT/VT	SW3010A	
Vanadium	45.4	0.33		mg/Kg	1	08/05/20	TH	SW6010D	
Zinc	65.9	0.7		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	08/06/20	BJA	1010/CH7/ASTMD92	
Chromium, Hex. (SW3060 digestion)	< 0.43	0.43		mg/Kg	1	08/06/20	ARG	SW7196A	
Ignitability	Passed	140		degree F	1	08/06/20	BJA	SW846-Ignit	1
pH at 25C - Soil	7.56	1.00		pH Units	1	08/04/20 22:28	MB	SW846 9045	1
Reactivity Cyanide	< 5	5		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	152			mV	1	08/04/20	MB	SM2580B-09	1
Total Cyanide (SW9010C Distill.)	< 0.55	0.55		mg/Kg	1	08/06/20	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	55	55	mg/kg	1	08/05/20	JRB	NJEPH 10-08 R3	1
QA/QC Surrogates									
% COD (surr)	54			%	1	08/05/20	JRB	40 - 140 %	
% Terphenyl (surr)	62			%	1	08/05/20	JRB	40 - 140 %	
Chlorinated Herbicides									
2,4,5-T	ND	91		ug/Kg	10	08/05/20	JRB	SW8151A	
2,4,5-TP (Silvex)	ND	91		ug/Kg	10	08/05/20	JRB	SW8151A	
2,4-D	ND	180		ug/Kg	10	08/05/20	JRB	SW8151A	
2,4-DB	ND	1800		ug/Kg	10	08/05/20	JRB	SW8151A	
Dalapon	ND	91		ug/Kg	10	08/05/20	JRB	SW8151A	
Dicamba	ND	91		ug/Kg	10	08/05/20	JRB	SW8151A	
Dichloroprop	ND	180		ug/Kg	10	08/05/20	JRB	SW8151A	
Dinoseb	ND	180		ug/Kg	10	08/05/20	JRB	SW8151A	
QA/QC Surrogates									
% DCAA	53			%	10	08/05/20	JRB	30 - 150 %	
% DCAA (Confirmation)	60			%	10	08/05/20	JRB	30 - 150 %	
Polychlorinated Biphenyls									
PCB-1016	ND	72	72	ug/Kg	2	08/05/20	SC	SW8082A	

Ver 1

Project ID: 8 WESTCHESTER AVE, NEW ROCHELLE NY
Client ID: 8WB COMP (6-8`)

Phoenix I.D.: CG47132

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	68			%	2	08/05/20	SC	30 - 150 %
% DCBP (Confirmation)	73			%	2	08/05/20	SC	30 - 150 %
% TCMX	62			%	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	08/05/20	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	40			%	2	08/05/20	CG	30 - 150 %
% DCBP (Confirmation)	47			%	2	08/05/20	CG	30 - 150 %
% TCMX	59			%	2	08/05/20	CG	30 - 150 %
% TCMX (Confirmation)	52			%	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: 8 WESTCHESTER AVE, NEW ROCHELLE NY
Client ID: 8WB COMP (6-8`)

Phoenix I.D.: CG47132

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	

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	114			%	1	08/05/20	WB	30 - 130 %
% 2-Fluorobiphenyl	84			%	1	08/05/20	WB	30 - 130 %
% 2-Fluorophenol	67			%	1	08/05/20	WB	30 - 130 %
% Nitrobenzene-d5	82			%	1	08/05/20	WB	30 - 130 %
% Phenol-d5	80			%	1	08/05/20	WB	30 - 130 %
% Terphenyl-d14	87			%	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	114			%	1	08/05/20	WB	30 - 130 %
% 2-Fluorobiphenyl	84			%	1	08/05/20	WB	30 - 130 %
% 2-Fluorophenol	67			%	1	08/05/20	WB	30 - 130 %
% Nitrobenzene-d5	82			%	1	08/05/20	WB	30 - 130 %
% Phenol-d5	80			%	1	08/05/20	WB	30 - 130 %
% Terphenyl-d14	87			%	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	

Project ID: 8 WESTCHESTER AVE, NEW ROCHELLE NY
Client ID: 8WB COMP (6-8`)

Phoenix I.D.: CG47132

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.

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 13, 2020
Reviewed and Released by: Phyllis Shiller, Laboratory 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 13, 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	15:00
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: GCG47126
Phoenix ID: CG47133

Project ID: 8 WESTCHESTER AVE, NEW ROCHELLE NY
Client ID: 8WB GRAB (6-8`)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Percent Solid	95			%		08/04/20	HB	SW846-%Solid	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	3.6	0.72	ug/Kg	1	08/06/20	JLI	SW8260C	
1,1,1-Trichloroethane	ND	3.6	0.36	ug/Kg	1	08/06/20	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	3.6	0.72	ug/Kg	1	08/06/20	JLI	SW8260C	
1,1,2-Trichloroethane	ND	3.6	0.72	ug/Kg	1	08/06/20	JLI	SW8260C	
1,1-Dichloroethane	ND	3.6	0.72	ug/Kg	1	08/06/20	JLI	SW8260C	
1,1-Dichloroethene	ND	3.6	0.36	ug/Kg	1	08/06/20	JLI	SW8260C	
1,1-Dichloropropene	ND	3.6	0.36	ug/Kg	1	08/06/20	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	3.6	0.72	ug/Kg	1	08/06/20	JLI	SW8260C	
1,2,3-Trichloropropane	ND	3.6	0.36	ug/Kg	1	08/06/20	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	3.6	0.72	ug/Kg	1	08/06/20	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	3.6	0.36	ug/Kg	1	08/06/20	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	3.6	0.72	ug/Kg	1	08/06/20	JLI	SW8260C	
1,2-Dibromoethane	ND	1.2	0.36	ug/Kg	1	08/06/20	JLI	SW8260C	
1,2-Dichlorobenzene	ND	3.6	0.36	ug/Kg	1	08/06/20	JLI	SW8260C	
1,2-Dichloroethane	ND	3.6	0.36	ug/Kg	1	08/06/20	JLI	SW8260C	
1,2-Dichloropropane	ND	3.6	0.72	ug/Kg	1	08/06/20	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	3.6	0.36	ug/Kg	1	08/06/20	JLI	SW8260C	
1,3-Dichlorobenzene	ND	3.6	0.36	ug/Kg	1	08/06/20	JLI	SW8260C	
1,3-Dichloropropane	ND	3.6	0.72	ug/Kg	1	08/06/20	JLI	SW8260C	
1,4-Dichlorobenzene	ND	3.6	0.36	ug/Kg	1	08/06/20	JLI	SW8260C	
2,2-Dichloropropane	ND	3.6	0.36	ug/Kg	1	08/06/20	JLI	SW8260C	
2-Chlorotoluene	ND	3.6	0.72	ug/Kg	1	08/06/20	JLI	SW8260C	
2-Hexanone	ND	18	3.6	ug/Kg	1	08/06/20	JLI	SW8260C	
2-Isopropyltoluene	ND	3.6	0.36	ug/Kg	1	08/06/20	JLI	SW8260C	1
4-Chlorotoluene	ND	3.6	0.36	ug/Kg	1	08/06/20	JLI	SW8260C	

Project ID: 8 WESTCHESTER AVE, NEW ROCHELLE NY
Client ID: 8WB GRAB (6-8`)

Phoenix I.D.: CG47133

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	
4-Methyl-2-pentanone	ND		18	3.6	ug/Kg	1	08/06/20	JLI	SW8260C
Acetone	4.9	JS	18	3.6	ug/Kg	1	08/06/20	JLI	SW8260C
Acrylonitrile	ND		7.2	0.72	ug/Kg	1	08/06/20	JLI	SW8260C
Benzene	ND		3.6	0.36	ug/Kg	1	08/06/20	JLI	SW8260C
Bromobenzene	ND		3.6	0.36	ug/Kg	1	08/06/20	JLI	SW8260C
Bromochloromethane	ND		3.6	0.36	ug/Kg	1	08/06/20	JLI	SW8260C
Bromodichloromethane	ND		3.6	0.72	ug/Kg	1	08/06/20	JLI	SW8260C
Bromoform	ND		3.6	0.72	ug/Kg	1	08/06/20	JLI	SW8260C
Bromomethane	ND		3.6	1.4	ug/Kg	1	08/06/20	JLI	SW8260C
Carbon Disulfide	ND		3.6	0.72	ug/Kg	1	08/06/20	JLI	SW8260C
Carbon tetrachloride	ND		3.6	0.72	ug/Kg	1	08/06/20	JLI	SW8260C
Chlorobenzene	ND		3.6	0.36	ug/Kg	1	08/06/20	JLI	SW8260C
Chloroethane	ND		3.6	0.36	ug/Kg	1	08/06/20	JLI	SW8260C
Chloroform	ND		3.6	0.36	ug/Kg	1	08/06/20	JLI	SW8260C
Chloromethane	ND		3.6	0.72	ug/Kg	1	08/06/20	JLI	SW8260C
cis-1,2-Dichloroethene	ND		3.6	0.36	ug/Kg	1	08/06/20	JLI	SW8260C
cis-1,3-Dichloropropene	ND		3.6	0.36	ug/Kg	1	08/06/20	JLI	SW8260C
Dibromochloromethane	ND		3.6	0.72	ug/Kg	1	08/06/20	JLI	SW8260C
Dibromomethane	ND		3.6	0.72	ug/Kg	1	08/06/20	JLI	SW8260C
Dichlorodifluoromethane	ND		3.6	0.36	ug/Kg	1	08/06/20	JLI	SW8260C
Ethylbenzene	ND		3.6	0.36	ug/Kg	1	08/06/20	JLI	SW8260C
Hexachlorobutadiene	ND		3.6	0.36	ug/Kg	1	08/06/20	JLI	SW8260C
Isopropylbenzene	ND		3.6	0.36	ug/Kg	1	08/06/20	JLI	SW8260C
m&p-Xylene	ND		3.6	0.72	ug/Kg	1	08/06/20	JLI	SW8260C
Methyl Ethyl Ketone	ND		21	3.6	ug/Kg	1	08/06/20	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND		7.2	0.72	ug/Kg	1	08/06/20	JLI	SW8260C
Methylene chloride	ND		3.6	3.6	ug/Kg	1	08/06/20	JLI	SW8260C
Naphthalene	ND		3.6	0.72	ug/Kg	1	08/06/20	JLI	SW8260C
n-Butylbenzene	ND		3.6	0.36	ug/Kg	1	08/06/20	JLI	SW8260C
n-Propylbenzene	ND		3.6	0.72	ug/Kg	1	08/06/20	JLI	SW8260C
o-Xylene	ND		3.6	0.72	ug/Kg	1	08/06/20	JLI	SW8260C
p-Isopropyltoluene	ND		3.6	0.36	ug/Kg	1	08/06/20	JLI	SW8260C
sec-Butylbenzene	ND		3.6	0.36	ug/Kg	1	08/06/20	JLI	SW8260C
Styrene	ND		3.6	0.36	ug/Kg	1	08/06/20	JLI	SW8260C
tert-Butylbenzene	ND		3.6	0.36	ug/Kg	1	08/06/20	JLI	SW8260C
Tetrachloroethene	ND		3.6	0.72	ug/Kg	1	08/06/20	JLI	SW8260C
Tetrahydrofuran (THF)	ND		7.2	1.8	ug/Kg	1	08/06/20	JLI	SW8260C
Toluene	ND		3.6	0.36	ug/Kg	1	08/06/20	JLI	SW8260C
trans-1,2-Dichloroethene	ND		3.6	0.36	ug/Kg	1	08/06/20	JLI	SW8260C
trans-1,3-Dichloropropene	ND		3.6	0.36	ug/Kg	1	08/06/20	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND		7.2	1.8	ug/Kg	1	08/06/20	JLI	SW8260C
Trichloroethene	ND		3.6	0.36	ug/Kg	1	08/06/20	JLI	SW8260C
Trichlorofluoromethane	ND		3.6	0.72	ug/Kg	1	08/06/20	JLI	SW8260C
Trichlorotrifluoroethane	ND		3.6	0.36	ug/Kg	1	08/06/20	JLI	SW8260C
Vinyl chloride	ND		3.6	0.36	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	95				%	1	08/06/20	JLI	70 - 130 %

Ver 1

Project ID: 8 WESTCHESTER AVE, NEW ROCHELLE NY
Client ID: 8WB GRAB (6-8`)

Phoenix I.D.: CG47133

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	54		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	95			%	1	08/06/20	JLI	70 - 130 %	
% Toluene-d8	100			%	1	08/06/20	JLI	70 - 130 %	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	14		ug/Kg	1	08/06/20	JLI	SW8260C	
Acrolein	ND	1.4		ug/Kg	1	08/06/20	JLI	SW8260C	
Acrylonitrile	ND	14		ug/Kg	1	08/06/20	JLI	SW8260C	
Tert-butyl alcohol	ND	72		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 13, 2020
Reviewed and Released by: Phyllis Shiller, Laboratory 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 13, 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	10:20
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: GCG47126
Phoenix ID: CG47134

Project ID: 8 WESTCHESTER AVE, NEW ROCHELLE NY
Client ID: 8WB @ 7`

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Percent Solid	91				%		08/04/20	HB	SW846-%Solid
Soil Extraction for SVOA	Completed						08/04/20	R/M	SW3546
Volatiles									
1,1,1,2-Tetrachloroethane	ND		4200	850	ug/Kg	1000	08/06/20	JLI	SW8260C
1,1,1-Trichloroethane	ND		680	420	ug/Kg	1000	08/06/20	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND		850	850	ug/Kg	1000	08/06/20	JLI	SW8260C
1,1,2-Trichloroethane	ND		850	850	ug/Kg	1000	08/06/20	JLI	SW8260C
1,1-Dichloroethane	ND		850	850	ug/Kg	1000	08/06/20	JLI	SW8260C
1,1-Dichloroethene	ND		420	420	ug/Kg	1000	08/06/20	JLI	SW8260C
1,1-Dichloropropene	ND		4200	420	ug/Kg	1000	08/06/20	JLI	SW8260C
1,2,3-Trichlorobenzene	ND		4200	850	ug/Kg	1000	08/06/20	JLI	SW8260C
1,2,3-Trichloropropane	ND		820	420	ug/Kg	1000	08/06/20	JLI	SW8260C
1,2,4-Trichlorobenzene	ND		4200	850	ug/Kg	1000	08/06/20	JLI	SW8260C
1,2,4-Trimethylbenzene	24000		4200	420	ug/Kg	1000	08/06/20	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND		850	850	ug/Kg	1000	08/06/20	JLI	SW8260C
1,2-Dibromoethane	ND		420	420	ug/Kg	1000	08/06/20	JLI	SW8260C
1,2-Dichlorobenzene	ND		1100	420	ug/Kg	1000	08/06/20	JLI	SW8260C
1,2-Dichloroethane	ND		420	420	ug/Kg	1000	08/06/20	JLI	SW8260C
1,2-Dichloropropane	ND		850	850	ug/Kg	1000	08/06/20	JLI	SW8260C
1,3,5-Trimethylbenzene	3800		3400	420	ug/Kg	1000	08/06/20	JLI	SW8260C
1,3-Dichlorobenzene	ND		2400	420	ug/Kg	1000	08/06/20	JLI	SW8260C
1,3-Dichloropropane	ND		4200	850	ug/Kg	1000	08/06/20	JLI	SW8260C
1,4-Dichlorobenzene	ND		1800	420	ug/Kg	1000	08/06/20	JLI	SW8260C
2,2-Dichloropropane	ND		4200	420	ug/Kg	1000	08/06/20	JLI	SW8260C
2-Chlorotoluene	ND		4200	850	ug/Kg	1000	08/06/20	JLI	SW8260C
2-Hexanone	ND		21000	4200	ug/Kg	1000	08/06/20	JLI	SW8260C
2-Isopropyltoluene	610	J	4200	420	ug/Kg	1000	08/06/20	JLI	SW8260C 1

Project ID: 8 WESTCHESTER AVE, NEW ROCHELLE NY
Client ID: 8WB @ 7`

Phoenix I.D.: CG47134

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	
4-Chlorotoluene	ND		4200	420	ug/Kg	1000	08/06/20	JLI	SW8260C
4-Methyl-2-pentanone	ND		6300	4200	ug/Kg	1000	08/06/20	JLI	SW8260C
Acetone	ND		4200	4200	ug/Kg	1000	08/06/20	JLI	SW8260C
Acrylonitrile	ND		850	850	ug/Kg	1000	08/06/20	JLI	SW8260C
Benzene	ND		420	420	ug/Kg	1000	08/06/20	JLI	SW8260C
Bromobenzene	ND		4200	420	ug/Kg	1000	08/06/20	JLI	SW8260C
Bromochloromethane	ND		1600	420	ug/Kg	1000	08/06/20	JLI	SW8260C
Bromodichloromethane	ND		1000	850	ug/Kg	1000	08/06/20	JLI	SW8260C
Bromoform	ND		4200	850	ug/Kg	1000	08/06/20	JLI	SW8260C
Bromomethane	ND		1700	1700	ug/Kg	1000	08/06/20	JLI	SW8260C
Carbon Disulfide	ND		4200	850	ug/Kg	1000	08/06/20	JLI	SW8260C
Carbon tetrachloride	ND		850	850	ug/Kg	1000	08/06/20	JLI	SW8260C
Chlorobenzene	ND		1100	420	ug/Kg	1000	08/06/20	JLI	SW8260C
Chloroethane	ND		4200	420	ug/Kg	1000	08/06/20	JLI	SW8260C
Chloroform	ND		420	420	ug/Kg	1000	08/06/20	JLI	SW8260C
Chloromethane	ND		850	850	ug/Kg	1000	08/06/20	JLI	SW8260C
cis-1,2-Dichloroethene	ND		420	420	ug/Kg	1000	08/06/20	JLI	SW8260C
cis-1,3-Dichloropropene	ND		4200	420	ug/Kg	1000	08/06/20	JLI	SW8260C
Dibromochloromethane	ND		3000	850	ug/Kg	1000	08/06/20	JLI	SW8260C
Dibromomethane	ND		4200	850	ug/Kg	1000	08/06/20	JLI	SW8260C
Dichlorodifluoromethane	ND		4200	420	ug/Kg	1000	08/06/20	JLI	SW8260C
Ethylbenzene	4800		4200	420	ug/Kg	1000	08/06/20	JLI	SW8260C
Hexachlorobutadiene	ND		1200	420	ug/Kg	1000	08/06/20	JLI	SW8260C
Isopropylbenzene	3300	J	4200	420	ug/Kg	1000	08/06/20	JLI	SW8260C
m&p-Xylene	3800		3400	850	ug/Kg	1000	08/06/20	JLI	SW8260C
Methyl Ethyl Ketone	ND		1700	1700	ug/Kg	1000	08/06/20	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND		850	850	ug/Kg	1000	08/06/20	JLI	SW8260C
Methylene chloride	ND		1700	1700	ug/Kg	1000	08/06/20	JLI	SW8260C
Naphthalene	12000		4200	850	ug/Kg	1000	08/06/20	JLI	SW8260C
n-Butylbenzene	5000		4200	420	ug/Kg	1000	08/06/20	JLI	SW8260C
n-Propylbenzene	10000		4200	850	ug/Kg	1000	08/06/20	JLI	SW8260C
o-Xylene	ND		4200	850	ug/Kg	1000	08/06/20	JLI	SW8260C
p-Isopropyltoluene	2100		1700	420	ug/Kg	1000	08/06/20	JLI	SW8260C
sec-Butylbenzene	3000		2500	420	ug/Kg	1000	08/06/20	JLI	SW8260C
Styrene	ND		4200	420	ug/Kg	1000	08/06/20	JLI	SW8260C
tert-Butylbenzene	ND		4200	420	ug/Kg	1000	08/06/20	JLI	SW8260C
Tetrachloroethene	ND		850	850	ug/Kg	1000	08/06/20	JLI	SW8260C
Tetrahydrofuran (THF)	ND		8500	2100	ug/Kg	1000	08/06/20	JLI	SW8260C
Toluene	ND		700	420	ug/Kg	1000	08/06/20	JLI	SW8260C
trans-1,2-Dichloroethene	ND		420	420	ug/Kg	1000	08/06/20	JLI	SW8260C
trans-1,3-Dichloropropene	ND		4200	420	ug/Kg	1000	08/06/20	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND		8500	2100	ug/Kg	1000	08/06/20	JLI	SW8260C
Trichloroethene	ND		420	420	ug/Kg	1000	08/06/20	JLI	SW8260C
Trichlorofluoromethane	ND		4200	850	ug/Kg	1000	08/06/20	JLI	SW8260C
Trichlorotrifluoroethane	ND		4200	420	ug/Kg	1000	08/06/20	JLI	SW8260C
Vinyl chloride	ND		420	420	ug/Kg	1000	08/06/20	JLI	SW8260C
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4 (1000x)	99				%	1000	08/06/20	JLI	70 - 130 %
% Bromofluorobenzene (1000x)	103				%	1000	08/06/20	JLI	70 - 130 %

Ver 1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By		
% Dibromofluoromethane (1000x)	92			%	1000	08/06/20	JLI	70 - 130 %	
% Toluene-d8 (1000x)	97			%	1000	08/06/20	JLI	70 - 130 %	
1,4-dioxane									
1,4-dioxane	ND	34000		ug/kg	1000	08/06/20	JLI	SW8260C	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4 (1000x)	99			%	1000	08/06/20	JLI	70 - 130 %	
% Bromofluorobenzene (1000x)	103			%	1000	08/06/20	JLI	70 - 130 %	
% Dibromofluoromethane (1000x)	92			%	1000	08/06/20	JLI	70 - 130 %	
% Toluene-d8 (1000x)	97			%	1000	08/06/20	JLI	70 - 130 %	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	17000		ug/Kg	1000	08/06/20	JLI	SW8260C	
Acrolein	ND	850		ug/Kg	1000	08/06/20	JLI	SW8260C	
Acrylonitrile	ND	420		ug/Kg	1000	08/06/20	JLI	SW8260C	
Tert-butyl alcohol	ND	85000		ug/Kg	1000	08/06/20	JLI	SW8260C	
Semivolatiles									
1,2,4,5-Tetrachlorobenzene	ND	260	130	ug/Kg	1	08/05/20	AW	SW8270D	
1,2,4-Trichlorobenzene	ND	260	110	ug/Kg	1	08/05/20	AW	SW8270D	
1,2-Dichlorobenzene	ND	260	100	ug/Kg	1	08/05/20	AW	SW8270D	
1,2-Diphenylhydrazine	ND	260	120	ug/Kg	1	08/05/20	AW	SW8270D	
1,3-Dichlorobenzene	ND	260	110	ug/Kg	1	08/05/20	AW	SW8270D	
1,4-Dichlorobenzene	ND	260	110	ug/Kg	1	08/05/20	AW	SW8270D	
2,4,5-Trichlorophenol	ND	260	200	ug/Kg	1	08/05/20	AW	SW8270D	
2,4,6-Trichlorophenol	ND	180	120	ug/Kg	1	08/05/20	AW	SW8270D	
2,4-Dichlorophenol	ND	180	130	ug/Kg	1	08/05/20	AW	SW8270D	
2,4-Dimethylphenol	ND	260	91	ug/Kg	1	08/05/20	AW	SW8270D	
2,4-Dinitrophenol	ND	260	260	ug/Kg	1	08/05/20	AW	SW8270D	
2,4-Dinitrotoluene	ND	180	140	ug/Kg	1	08/05/20	AW	SW8270D	
2,6-Dinitrotoluene	ND	180	120	ug/Kg	1	08/05/20	AW	SW8270D	
2-Chloronaphthalene	ND	260	100	ug/Kg	1	08/05/20	AW	SW8270D	
2-Chlorophenol	ND	260	100	ug/Kg	1	08/05/20	AW	SW8270D	
2-Methylnaphthalene	44000	2600	1100	ug/Kg	10	08/05/20	AW	SW8270D	
2-Methylphenol (o-cresol)	ND	260	170	ug/Kg	1	08/05/20	AW	SW8270D	
2-Nitroaniline	ND	100	100	ug/Kg	1	08/05/20	AW	SW8270D	
2-Nitrophenol	ND	260	230	ug/Kg	1	08/05/20	AW	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND	260	140	ug/Kg	1	08/05/20	AW	SW8270D	1
3,3'-Dichlorobenzidine	ND	180	170	ug/Kg	1	08/05/20	AW	SW8270D	
3-Nitroaniline	ND	91	91	ug/Kg	1	08/05/20	AW	SW8270D	
4,6-Dinitro-2-methylphenol	ND	220	73	ug/Kg	1	08/05/20	AW	SW8270D	
4-Bromophenyl phenyl ether	ND	260	110	ug/Kg	1	08/05/20	AW	SW8270D	
4-Chloro-3-methylphenol	ND	260	130	ug/Kg	1	08/05/20	AW	SW8270D	
4-Chloroaniline	ND	290	170	ug/Kg	1	08/05/20	AW	SW8270D	
4-Chlorophenyl phenyl ether	ND	260	120	ug/Kg	1	08/05/20	AW	SW8270D	
4-Nitroaniline	ND	86	86	ug/Kg	1	08/05/20	AW	SW8270D	
4-Nitrophenol	ND	370	170	ug/Kg	1	08/05/20	AW	SW8270D	
Acenaphthene	ND	260	110	ug/Kg	1	08/05/20	AW	SW8270D	
Acenaphthylene	ND	260	100	ug/Kg	1	08/05/20	AW	SW8270D	
Acetophenone	ND	260	110	ug/Kg	1	08/05/20	AW	SW8270D	

Project ID: 8 WESTCHESTER AVE, NEW ROCHELLE NY
Client ID: 8WB @ 7`

Phoenix I.D.: CG47134

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	
Aniline	ND	290	290	ug/Kg	1	08/05/20	AW	SW8270D
Anthracene	660	260	120	ug/Kg	1	08/05/20	AW	SW8270D
Benz(a)anthracene	ND	260	120	ug/Kg	1	08/05/20	AW	SW8270D
Benzidine	ND	340	220	ug/Kg	1	08/05/20	AW	SW8270D
Benzo(a)pyrene	ND	180	120	ug/Kg	1	08/05/20	AW	SW8270D
Benzo(b)fluoranthene	ND	260	130	ug/Kg	1	08/05/20	AW	SW8270D
Benzo(ghi)perylene	ND	260	120	ug/Kg	1	08/05/20	AW	SW8270D
Benzo(k)fluoranthene	ND	260	120	ug/Kg	1	08/05/20	AW	SW8270D
Benzoic acid	ND	1800	730	ug/Kg	1	08/05/20	AW	SW8270D
Benzyl butyl phthalate	ND	260	95	ug/Kg	1	08/05/20	AW	SW8270D
Bis(2-chloroethoxy)methane	ND	260	100	ug/Kg	1	08/05/20	AW	SW8270D
Bis(2-chloroethyl)ether	ND	73	73	ug/Kg	1	08/05/20	AW	SW8270D
Bis(2-chloroisopropyl)ether	ND	260	100	ug/Kg	1	08/05/20	AW	SW8270D
Bis(2-ethylhexyl)phthalate	ND	260	110	ug/Kg	1	08/05/20	AW	SW8270D
Carbazole	ND	180	150	ug/Kg	1	08/05/20	AW	SW8270D
Chrysene	ND	260	120	ug/Kg	1	08/05/20	AW	SW8270D
Dibenz(a,h)anthracene	ND	180	120	ug/Kg	1	08/05/20	AW	SW8270D
Dibenzofuran	ND	260	110	ug/Kg	1	08/05/20	AW	SW8270D
Diethyl phthalate	ND	260	120	ug/Kg	1	08/05/20	AW	SW8270D
Dimethylphthalate	ND	260	110	ug/Kg	1	08/05/20	AW	SW8270D
Di-n-butylphthalate	ND	260	97	ug/Kg	1	08/05/20	AW	SW8270D
Di-n-octylphthalate	ND	260	95	ug/Kg	1	08/05/20	AW	SW8270D
Fluoranthene	ND	260	120	ug/Kg	1	08/05/20	AW	SW8270D
Fluorene	2000	260	120	ug/Kg	1	08/05/20	AW	SW8270D
Hexachlorobenzene	ND	180	110	ug/Kg	1	08/05/20	AW	SW8270D
Hexachlorobutadiene	ND	260	130	ug/Kg	1	08/05/20	AW	SW8270D
Hexachlorocyclopentadiene	ND	260	110	ug/Kg	1	08/05/20	AW	SW8270D
Hexachloroethane	ND	180	110	ug/Kg	1	08/05/20	AW	SW8270D
Indeno(1,2,3-cd)pyrene	ND	260	120	ug/Kg	1	08/05/20	AW	SW8270D
Isophorone	ND	180	100	ug/Kg	1	08/05/20	AW	SW8270D
Naphthalene	16000	2600	1100	ug/Kg	10	08/05/20	AW	SW8270D
Nitrobenzene	ND	180	130	ug/Kg	1	08/05/20	AW	SW8270D
N-Nitrosodimethylamine	ND	73	73	ug/Kg	1	08/05/20	AW	SW8270D
N-Nitrosodi-n-propylamine	ND	73	73	ug/Kg	1	08/05/20	AW	SW8270D
N-Nitrosodiphenylamine	ND	260	140	ug/Kg	1	08/05/20	AW	SW8270D
Pentachloronitrobenzene	ND	260	140	ug/Kg	1	08/05/20	AW	SW8270D
Pentachlorophenol	ND	220	140	ug/Kg	1	08/05/20	AW	SW8270D
Phenanthrene	7600	2600	1000	ug/Kg	10	08/05/20	AW	SW8270D
Phenol	ND	260	120	ug/Kg	1	08/05/20	AW	SW8270D
Pyrene	370	260	130	ug/Kg	1	08/05/20	AW	SW8270D
Pyridine	ND	220	90	ug/Kg	1	08/05/20	AW	SW8270D
QA/QC Surrogates								
% 2,4,6-Tribromophenol	117			%	1	08/05/20	AW	30 - 130 %
% 2-Fluorobiphenyl	57			%	1	08/05/20	AW	30 - 130 %
% 2-Fluorophenol	70			%	1	08/05/20	AW	30 - 130 %
% Nitrobenzene-d5	102			%	1	08/05/20	AW	30 - 130 %
% Phenol-d5	78			%	1	08/05/20	AW	30 - 130 %
% Terphenyl-d14	94			%	1	08/05/20	AW	30 - 130 %
% 2,4,6-Tribromophenol (10x)	146			%	10	08/05/20	AW	30 - 130 % 3

Ver 1

Project ID: 8 WESTCHESTER AVE, NEW ROCHELLE NY
Client ID: 8WB @ 7`

Phoenix I.D.: CG47134

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By		
% 2-Fluorobiphenyl (10x)	98			%	10	08/05/20	AW	30 - 130 %	
% 2-Fluorophenol (10x)	103			%	10	08/05/20	AW	30 - 130 %	
% Nitrobenzene-d5 (10x)	118			%	10	08/05/20	AW	30 - 130 %	
% Phenol-d5 (10x)	100			%	10	08/05/20	AW	30 - 130 %	
% Terphenyl-d14 (10x)	119			%	10	08/05/20	AW	30 - 130 %	
Additional Semi-Volatile Compounds									
1,1-Biphenyl	2300	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	117			%	1	08/05/20	WB	30 - 130 %	
% 2-Fluorobiphenyl	57			%	1	08/05/20	WB	30 - 130 %	
% 2-Fluorophenol	70			%	1	08/05/20	WB	30 - 130 %	
% Nitrobenzene-d5	102			%	1	08/05/20	WB	30 - 130 %	
% Phenol-d5	78			%	1	08/05/20	WB	30 - 130 %	
% Terphenyl-d14	94			%	1	08/05/20	WB	30 - 130 %	
Pyridine	ND	220		ug/Kg	1	08/05/20	WB	SW8270D	
Field Extraction	Completed					08/03/20		SW5035A	1

Project ID: 8 WESTCHESTER AVE, NEW ROCHELLE NY
Phoenix I.D.: CG47134
Client ID: 8WB @ 7`

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.
3 = This parameter exceeds laboratory specified limits.

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:

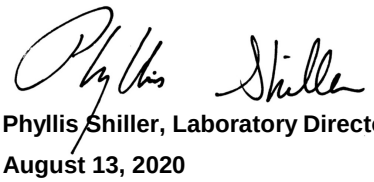
Semi-Volatile Comment:
Due to low QC recoveries the RL/PQL of some compounds have been evaluated below the lowest calibration standard in order account for possible sample bias and meet criteria: 2,4-dintrophenol, 4,6-Dinitro-2-methylphenol, and Benzidine.

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.

Volatile Comment:
Elevated reporting limits for volatiles due to the presence of target and/or non-target compounds.

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 13, 2020

Reviewed and Released by: Phyllis Shiller, Laboratory 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 13, 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	16:20
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: GCG47126
Phoenix ID: CG47135

Project ID: 8 WESTCHESTER AVE, NEW ROCHELLE NY
Client ID: 8WB COMP (8-10`)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Silver	< 0.36	0.36		mg/Kg	1	08/05/20	TH	SW6010D	
Aluminum	14600	36		mg/Kg	10	08/05/20	TH	SW6010D	
Arsenic	< 0.72	0.72		mg/Kg	1	08/05/20	TH	SW6010D	
Barium	156	0.7		mg/Kg	1	08/05/20	TH	SW6010D	
Beryllium	< 0.29	0.29		mg/Kg	1	08/05/20	TH	SW6010D	
Calcium	783	3.6		mg/Kg	1	08/05/20	TH	SW6010D	
Cadmium	0.89	0.36		mg/Kg	1	08/05/20	TH	SW6010D	
Cobalt	15.6	0.36		mg/Kg	1	08/05/20	TH	SW6010D	
Chromium	31.4	0.36		mg/Kg	1	08/05/20	TH	SW6010D	
Copper	16.1	0.7		mg/kg	1	08/05/20	TH	SW6010D	
Iron	25900	36		mg/Kg	10	08/05/20	EK	SW6010D	
Mercury	< 0.03	0.03		mg/Kg	2	08/05/20	RS	SW7471B	
Potassium	10000	72		mg/Kg	10	08/05/20	EK	SW6010D	
Magnesium	6480	36		mg/Kg	10	08/05/20	TH	SW6010D	
Manganese	562	3.6		mg/Kg	10	08/05/20	EK	SW6010D	
Molybdenum	0.36	0.36		mg/Kg	1	08/05/20	TH	SW6010D	
Sodium	144	7		mg/Kg	1	08/05/20	EK	SW6010D	
Nickel	24.0	0.36		mg/Kg	1	08/05/20	TH	SW6010D	
Lead	1.7	0.7		mg/Kg	1	08/05/20	TH	SW6010D	
Antimony	< 3.6	3.6		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	0.37	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: 8 WESTCHESTER AVE, NEW ROCHELLE NY
Client ID: 8WB COMP (8-10`)

Phoenix I.D.: CG47135

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	< 1.4	1.4		mg/Kg	1	08/05/20	TH	SW6010D	
TCLP Metals Digestion	Completed					08/05/20	VT/VT	SW3010A	
Vanadium	39.5	0.36		mg/Kg	1	08/05/20	TH	SW6010D	
Zinc	59.3	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	08/06/20	BJA	1010/CH7/ASTMD92	
Chromium, Hex. (SW3060 digestion)	< 0.41	0.41		mg/Kg	1	08/07/20	ARG/BJA	SW7196A	
Ignitability	Passed	140		degree F	1	08/06/20	BJA	SW846-Ignit	1
pH at 25C - Soil	6.99	1.00		pH Units	1	08/04/20 22:28	MB	SW846 9045	1
Reactivity Cyanide	< 5	5		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	136			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)	55	54	54	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	90		ug/Kg	10	08/05/20	JRB	SW8151A	
2,4,5-TP (Silvex)	ND	90		ug/Kg	10	08/05/20	JRB	SW8151A	
2,4-D	ND	180		ug/Kg	10	08/05/20	JRB	SW8151A	
2,4-DB	ND	1800		ug/Kg	10	08/05/20	JRB	SW8151A	
Dalapon	ND	90		ug/Kg	10	08/05/20	JRB	SW8151A	
Dicamba	ND	90		ug/Kg	10	08/05/20	JRB	SW8151A	
Dichloroprop	ND	180		ug/Kg	10	08/05/20	JRB	SW8151A	
Dinoseb	ND	180		ug/Kg	10	08/05/20	JRB	SW8151A	
QA/QC Surrogates									
% DCAA	53			%	10	08/05/20	JRB	30 - 150 %	
% DCAA (Confirmation)	59			%	10	08/05/20	JRB	30 - 150 %	
Polychlorinated Biphenyls									
PCB-1016	ND	72	72	ug/Kg	2	08/05/20	SC	SW8082A	

Ver 1

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	72			%	2	08/05/20	SC	30 - 150 %
% DCBP (Confirmation)	77			%	2	08/05/20	SC	30 - 150 %
% TCMX	62			%	2	08/05/20	SC	30 - 150 %
% TCMX (Confirmation)	60			%	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	7.2		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	62			%	2	08/05/20	CG	30 - 150 %
% DCBP (Confirmation)	63			%	2	08/05/20	CG	30 - 150 %
% TCMX	48			%	2	08/05/20	CG	30 - 150 %
% TCMX (Confirmation)	46			%	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: 8 WESTCHESTER AVE, NEW ROCHELLE NY
Client ID: 8WB COMP (8-10`)

Phoenix I.D.: CG47135

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	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		250	89	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	120	J	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		220	72	ug/Kg	1	08/05/20	WB	SW8270D	
4-Bromophenyl phenyl ether	ND		250	110	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		290	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		290	290	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	720	ug/Kg	1	08/05/20	WB	SW8270D	
Benzyl butyl phthalate	ND		250	93	ug/Kg	1	08/05/20	WB	SW8270D	
Bis(2-chloroethoxy)methane	ND		250	100	ug/Kg	1	08/05/20	WB	SW8270D	
Bis(2-chloroethyl)ether	ND		72	72	ug/Kg	1	08/05/20	WB	SW8270D	
Bis(2-chloroisopropyl)ether	ND		250	100	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	110	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	96	ug/Kg	1	08/05/20	WB	SW8270D	
Di-n-octylphthalate	ND		250	93	ug/Kg	1	08/05/20	WB	SW8270D	
Fluoranthene	ND		250	120	ug/Kg	1	08/05/20	WB	SW8270D	

Project ID: 8 WESTCHESTER AVE, NEW ROCHELLE NY
Client ID: 8WB COMP (8-10`)

Phoenix I.D.: CG47135

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	110	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	130	ug/Kg	1	08/05/20	WB	SW8270D
N-Nitrosodimethylamine	ND	72	72	ug/Kg	1	08/05/20	WB	SW8270D
N-Nitrosodi-n-propylamine	ND	72	72	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	220	140	ug/Kg	1	08/05/20	WB	SW8270D
Phenanthrene	ND	250	100	ug/Kg	1	08/05/20	WB	SW8270D
Phenol	ND	250	120	ug/Kg	1	08/05/20	WB	SW8270D
Pyrene	ND	250	120	ug/Kg	1	08/05/20	WB	SW8270D
Pyridine	ND	220	89	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	79			%	1	08/05/20	WB	30 - 130 %
% 2-Fluorophenol	68			%	1	08/05/20	WB	30 - 130 %
% Nitrobenzene-d5	77			%	1	08/05/20	WB	30 - 130 %
% Phenol-d5	80			%	1	08/05/20	WB	30 - 130 %
% Terphenyl-d14	71			%	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	72	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	122			%	1	08/05/20	WB	30 - 130 %
% 2-Fluorobiphenyl	79			%	1	08/05/20	WB	30 - 130 %
% 2-Fluorophenol	68			%	1	08/05/20	WB	30 - 130 %
% Nitrobenzene-d5	77			%	1	08/05/20	WB	30 - 130 %
% Phenol-d5	80			%	1	08/05/20	WB	30 - 130 %
% Terphenyl-d14	71			%	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	

Project ID: 8 WESTCHESTER AVE, NEW ROCHELLE NY
Client ID: 8WB COMP (8-10`)

Phoenix I.D.: CG47135

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.

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:

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 13, 2020
Reviewed and Released by: Phyllis Shiller, Laboratory 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 13, 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	15:05
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: GCG47126
Phoenix ID: CG47136

Project ID: 8 WESTCHESTER AVE, NEW ROCHELLE NY
Client ID: 8WB GRAB (8-10`)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Percent Solid	92			%		08/04/20	HB	SW846-%Solid	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	5.4	1.1	ug/Kg	1	08/05/20	JLI	SW8260C	
1,1,1-Trichloroethane	ND	5.4	0.54	ug/Kg	1	08/05/20	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	5.4	1.1	ug/Kg	1	08/05/20	JLI	SW8260C	
1,1,2-Trichloroethane	ND	5.4	1.1	ug/Kg	1	08/05/20	JLI	SW8260C	
1,1-Dichloroethane	ND	5.4	1.1	ug/Kg	1	08/05/20	JLI	SW8260C	
1,1-Dichloroethene	ND	5.4	0.54	ug/Kg	1	08/05/20	JLI	SW8260C	
1,1-Dichloropropene	ND	5.4	0.54	ug/Kg	1	08/05/20	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	5.4	1.1	ug/Kg	1	08/05/20	JLI	SW8260C	
1,2,3-Trichloropropane	ND	5.4	0.54	ug/Kg	1	08/05/20	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	5.4	1.1	ug/Kg	1	08/05/20	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	5.4	0.54	ug/Kg	1	08/05/20	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	5.4	1.1	ug/Kg	1	08/05/20	JLI	SW8260C	
1,2-Dibromoethane	ND	1.2	0.54	ug/Kg	1	08/05/20	JLI	SW8260C	
1,2-Dichlorobenzene	ND	5.4	0.54	ug/Kg	1	08/05/20	JLI	SW8260C	
1,2-Dichloroethane	ND	5.4	0.54	ug/Kg	1	08/05/20	JLI	SW8260C	
1,2-Dichloropropane	ND	5.4	1.1	ug/Kg	1	08/05/20	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	5.4	0.54	ug/Kg	1	08/05/20	JLI	SW8260C	
1,3-Dichlorobenzene	ND	5.4	0.54	ug/Kg	1	08/05/20	JLI	SW8260C	
1,3-Dichloropropane	ND	5.4	1.1	ug/Kg	1	08/05/20	JLI	SW8260C	
1,4-Dichlorobenzene	ND	5.4	0.54	ug/Kg	1	08/05/20	JLI	SW8260C	
2,2-Dichloropropane	ND	5.4	0.54	ug/Kg	1	08/05/20	JLI	SW8260C	
2-Chlorotoluene	ND	5.4	1.1	ug/Kg	1	08/05/20	JLI	SW8260C	
2-Hexanone	ND	27	5.4	ug/Kg	1	08/05/20	JLI	SW8260C	
2-Isopropyltoluene	ND	5.4	0.54	ug/Kg	1	08/05/20	JLI	SW8260C	1
4-Chlorotoluene	ND	5.4	0.54	ug/Kg	1	08/05/20	JLI	SW8260C	

Project ID: 8 WESTCHESTER AVE, NEW ROCHELLE NY
Client ID: 8WB GRAB (8-10`)

Phoenix I.D.: CG47136

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	
4-Methyl-2-pentanone	ND	27	5.4	ug/Kg	1	08/05/20	JLI	SW8260C
Acetone	ND	27	5.4	ug/Kg	1	08/05/20	JLI	SW8260C
Acrylonitrile	ND	11	1.1	ug/Kg	1	08/05/20	JLI	SW8260C
Benzene	ND	5.4	0.54	ug/Kg	1	08/05/20	JLI	SW8260C
Bromobenzene	ND	5.4	0.54	ug/Kg	1	08/05/20	JLI	SW8260C
Bromochloromethane	ND	5.4	0.54	ug/Kg	1	08/05/20	JLI	SW8260C
Bromodichloromethane	ND	5.4	1.1	ug/Kg	1	08/05/20	JLI	SW8260C
Bromoform	ND	5.4	1.1	ug/Kg	1	08/05/20	JLI	SW8260C
Bromomethane	ND	5.4	2.2	ug/Kg	1	08/05/20	JLI	SW8260C
Carbon Disulfide	ND	5.4	1.1	ug/Kg	1	08/05/20	JLI	SW8260C
Carbon tetrachloride	ND	5.4	1.1	ug/Kg	1	08/05/20	JLI	SW8260C
Chlorobenzene	ND	5.4	0.54	ug/Kg	1	08/05/20	JLI	SW8260C
Chloroethane	ND	5.4	0.54	ug/Kg	1	08/05/20	JLI	SW8260C
Chloroform	ND	5.4	0.54	ug/Kg	1	08/05/20	JLI	SW8260C
Chloromethane	ND	5.4	1.1	ug/Kg	1	08/05/20	JLI	SW8260C
cis-1,2-Dichloroethene	ND	5.4	0.54	ug/Kg	1	08/05/20	JLI	SW8260C
cis-1,3-Dichloropropene	ND	5.4	0.54	ug/Kg	1	08/05/20	JLI	SW8260C
Dibromochloromethane	ND	5.4	1.1	ug/Kg	1	08/05/20	JLI	SW8260C
Dibromomethane	ND	5.4	1.1	ug/Kg	1	08/05/20	JLI	SW8260C
Dichlorodifluoromethane	ND	5.4	0.54	ug/Kg	1	08/05/20	JLI	SW8260C
Ethylbenzene	ND	5.4	0.54	ug/Kg	1	08/05/20	JLI	SW8260C
Hexachlorobutadiene	ND	5.4	0.54	ug/Kg	1	08/05/20	JLI	SW8260C
Isopropylbenzene	ND	5.4	0.54	ug/Kg	1	08/05/20	JLI	SW8260C
m&p-Xylene	ND	5.4	1.1	ug/Kg	1	08/05/20	JLI	SW8260C
Methyl Ethyl Ketone	ND	33	5.4	ug/Kg	1	08/05/20	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	11	1.1	ug/Kg	1	08/05/20	JLI	SW8260C
Methylene chloride	ND	5.4	5.4	ug/Kg	1	08/05/20	JLI	SW8260C
Naphthalene	ND	5.4	1.1	ug/Kg	1	08/05/20	JLI	SW8260C
n-Butylbenzene	ND	5.4	0.54	ug/Kg	1	08/05/20	JLI	SW8260C
n-Propylbenzene	ND	5.4	1.1	ug/Kg	1	08/05/20	JLI	SW8260C
o-Xylene	ND	5.4	1.1	ug/Kg	1	08/05/20	JLI	SW8260C
p-Isopropyltoluene	ND	5.4	0.54	ug/Kg	1	08/05/20	JLI	SW8260C
sec-Butylbenzene	ND	5.4	0.54	ug/Kg	1	08/05/20	JLI	SW8260C
Styrene	ND	5.4	0.54	ug/Kg	1	08/05/20	JLI	SW8260C
tert-Butylbenzene	ND	5.4	0.54	ug/Kg	1	08/05/20	JLI	SW8260C
Tetrachloroethene	ND	5.4	1.1	ug/Kg	1	08/05/20	JLI	SW8260C
Tetrahydrofuran (THF)	ND	11	2.7	ug/Kg	1	08/05/20	JLI	SW8260C
Toluene	ND	5.4	0.54	ug/Kg	1	08/05/20	JLI	SW8260C
trans-1,2-Dichloroethene	ND	5.4	0.54	ug/Kg	1	08/05/20	JLI	SW8260C
trans-1,3-Dichloropropene	ND	5.4	0.54	ug/Kg	1	08/05/20	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	11	2.7	ug/Kg	1	08/05/20	JLI	SW8260C
Trichloroethene	ND	5.4	0.54	ug/Kg	1	08/05/20	JLI	SW8260C
Trichlorofluoromethane	ND	5.4	1.1	ug/Kg	1	08/05/20	JLI	SW8260C
Trichlorotrifluoroethane	ND	5.4	0.54	ug/Kg	1	08/05/20	JLI	SW8260C
Vinyl chloride	ND	5.4	0.54	ug/Kg	1	08/05/20	JLI	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	100			%	1	08/05/20	JLI	70 - 130 %
% Bromofluorobenzene	96			%	1	08/05/20	JLI	70 - 130 %
% Dibromofluoromethane	93			%	1	08/05/20	JLI	70 - 130 %

Ver 1

Project ID: 8 WESTCHESTER AVE, NEW ROCHELLE NY
Client ID: 8WB GRAB (8-10`)

Phoenix I.D.: CG47136

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By		
% Toluene-d8	98			%	1	08/05/20	JLI	70 - 130 %	
1,4-dioxane									
1,4-dioxane	ND	82		ug/kg	1	08/05/20	JLI	SW8260C	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	100			%	1	08/05/20	JLI	70 - 130 %	
% Bromofluorobenzene	96			%	1	08/05/20	JLI	70 - 130 %	
% Dibromofluoromethane	93			%	1	08/05/20	JLI	70 - 130 %	
% Toluene-d8	98			%	1	08/05/20	JLI	70 - 130 %	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	22		ug/Kg	1	08/05/20	JLI	SW8260C	
Acrolein	ND	1.4		ug/Kg	1	08/05/20	JLI	SW8260C	
Acrylonitrile	ND	22		ug/Kg	1	08/05/20	JLI	SW8260C	
Tert-butyl alcohol	ND	110		ug/Kg	1	08/05/20	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 13, 2020

Reviewed and Released by: Phyllis Shiller, Laboratory Director

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

August 13, 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	16:32
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: GCG47126
Phoenix ID: CG47137

Project ID: 8 WESTCHESTER AVE, NEW ROCHELLE NY
Client ID: 8WB COMP (10-12`)

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	14300	38		mg/Kg	10	08/05/20	TH	SW6010D	
Arsenic	< 0.76	0.76		mg/Kg	1	08/05/20	TH	SW6010D	
Barium	153	0.8		mg/Kg	1	08/05/20	TH	SW6010D	
Beryllium	< 0.30	0.30		mg/Kg	1	08/05/20	TH	SW6010D	
Calcium	958	3.8		mg/Kg	1	08/05/20	TH	SW6010D	
Cadmium	0.96	0.38		mg/Kg	1	08/05/20	TH	SW6010D	
Cobalt	15.6	0.38		mg/Kg	1	08/05/20	TH	SW6010D	
Chromium	30.7	0.38		mg/Kg	1	08/05/20	TH	SW6010D	
Copper	12.6	0.8		mg/kg	1	08/05/20	TH	SW6010D	
Iron	28800	38		mg/Kg	10	08/05/20	EK	SW6010D	
Mercury	< 0.03	0.03		mg/Kg	2	08/05/20	RS	SW7471B	
Potassium	9530	76		mg/Kg	10	08/05/20	EK	SW6010D	
Magnesium	6170	38		mg/Kg	10	08/05/20	TH	SW6010D	
Manganese	611	3.8		mg/Kg	10	08/05/20	EK	SW6010D	
Molybdenum	0.63	0.38		mg/Kg	1	08/05/20	TH	SW6010D	
Sodium	131	8		mg/Kg	1	08/05/20	EK	SW6010D	
Nickel	23.4	0.38		mg/Kg	1	08/05/20	TH	SW6010D	
Lead	2.2	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: 8 WESTCHESTER AVE, NEW ROCHELLE NY
Client ID: 8WB COMP (10-12`)

Phoenix I.D.: CG47137

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	37.1	0.38		mg/Kg	1	08/05/20	TH	SW6010D	
Zinc	60.8	0.8		mg/Kg	1	08/05/20	TH	SW6010D	
Percent Solid	93			%		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	08/06/20	BJA	1010/CH7/ASTMD92	
Chromium, Hex. (SW3060 digestion)	< 0.43	0.43		mg/Kg	1	08/07/20	ARG/BJA	SW7196A	
Ignitability	Passed	140		degree F	1	08/06/20	BJA	SW846-Ignit	1
pH at 25C - Soil	7.57	1.00		pH Units	1	08/04/20 22:28	MB	SW846 9045	1
Reactivity Cyanide	< 5	5		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	170			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	53	53	mg/kg	1	08/05/20	JRB	NJEPH 10-08 R3	1
QA/QC Surrogates									
% COD (surr)	50			%	1	08/05/20	JRB	40 - 140 %	
% Terphenyl (surr)	58			%	1	08/05/20	JRB	40 - 140 %	
Chlorinated Herbicides									
2,4,5-T	ND	89		ug/Kg	10	08/05/20	JRB	SW8151A	
2,4,5-TP (Silvex)	ND	89		ug/Kg	10	08/05/20	JRB	SW8151A	
2,4-D	ND	180		ug/Kg	10	08/05/20	JRB	SW8151A	
2,4-DB	ND	1800		ug/Kg	10	08/05/20	JRB	SW8151A	
Dalapon	ND	89		ug/Kg	10	08/05/20	JRB	SW8151A	
Dicamba	ND	89		ug/Kg	10	08/05/20	JRB	SW8151A	
Dichloroprop	ND	180		ug/Kg	10	08/05/20	JRB	SW8151A	
Dinoseb	ND	180		ug/Kg	10	08/05/20	JRB	SW8151A	
QA/QC Surrogates									
% DCAA	53			%	10	08/05/20	JRB	30 - 150 %	
% DCAA (Confirmation)	59			%	10	08/05/20	JRB	30 - 150 %	
Polychlorinated Biphenyls									
PCB-1016	ND	70	70	ug/Kg	2	08/05/20	SC	SW8082A	

Ver 1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	
PCB-1221	ND	70	70	ug/Kg	2	08/05/20	SC	SW8082A
PCB-1232	ND	70	70	ug/Kg	2	08/05/20	SC	SW8082A
PCB-1242	ND	70	70	ug/Kg	2	08/05/20	SC	SW8082A
PCB-1248	ND	70	70	ug/Kg	2	08/05/20	SC	SW8082A
PCB-1254	ND	70	70	ug/Kg	2	08/05/20	SC	SW8082A
PCB-1260	ND	70	70	ug/Kg	2	08/05/20	SC	SW8082A
PCB-1262	ND	70	70	ug/Kg	2	08/05/20	SC	SW8082A
PCB-1268	ND	70	70	ug/Kg	2	08/05/20	SC	SW8082A
QA/QC Surrogates								
% DCBP	73			%	2	08/05/20	SC	30 - 150 %
% DCBP (Confirmation)	79			%	2	08/05/20	SC	30 - 150 %
% TCMX	62			%	2	08/05/20	SC	30 - 150 %
% TCMX (Confirmation)	63			%	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	7.0		ug/Kg	2	08/05/20	CG	SW8081B
a-Chlordane	ND	3.5		ug/Kg	2	08/05/20	CG	SW8081B
Aldrin	ND	3.5		ug/Kg	2	08/05/20	CG	SW8081B
b-BHC	ND	7.0		ug/Kg	2	08/05/20	CG	SW8081B
Chlordane	ND	35		ug/Kg	2	08/05/20	CG	SW8081B
d-BHC	ND	7.0		ug/Kg	2	08/05/20	CG	SW8081B
Dieldrin	ND	3.5		ug/Kg	2	08/05/20	CG	SW8081B
Endosulfan I	ND	7.0		ug/Kg	2	08/05/20	CG	SW8081B
Endosulfan II	ND	7.0		ug/Kg	2	08/05/20	CG	SW8081B
Endosulfan sulfate	ND	7.0		ug/Kg	2	08/05/20	CG	SW8081B
Endrin	ND	7.0		ug/Kg	2	08/05/20	CG	SW8081B
Endrin aldehyde	ND	7.0		ug/Kg	2	08/05/20	CG	SW8081B
Endrin ketone	ND	7.0		ug/Kg	2	08/05/20	CG	SW8081B
g-BHC	ND	1.4		ug/Kg	2	08/05/20	CG	SW8081B
g-Chlordane	ND	3.5		ug/Kg	2	08/05/20	CG	SW8081B
Heptachlor	ND	7.0		ug/Kg	2	08/05/20	CG	SW8081B
Heptachlor epoxide	ND	7.0		ug/Kg	2	08/05/20	CG	SW8081B
Methoxychlor	ND	35		ug/Kg	2	08/05/20	CG	SW8081B
Toxaphene	ND	140		ug/Kg	2	08/05/20	CG	SW8081B
QA/QC Surrogates								
% DCBP	66			%	2	08/05/20	CG	30 - 150 %
% DCBP (Confirmation)	69			%	2	08/05/20	CG	30 - 150 %
% TCMX	52			%	2	08/05/20	CG	30 - 150 %
% TCMX (Confirmation)	52			%	2	08/05/20	CG	30 - 150 %
Semivolatiles								
1,2,4,5-Tetrachlorobenzene	ND	250	120	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	99	ug/Kg	1	08/05/20	WB	SW8270D
1,2-Diphenylhydrazine	ND	250	110	ug/Kg	1	08/05/20	WB	SW8270D
1,3-Dichlorobenzene	ND	250	100	ug/Kg	1	08/05/20	WB	SW8270D
1,4-Dichlorobenzene	ND	250	100	ug/Kg	1	08/05/20	WB	SW8270D

Project ID: 8 WESTCHESTER AVE, NEW ROCHELLE NY
Client ID: 8WB COMP (10-12`)

Phoenix I.D.: CG47137

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By		
2,4,5-Trichlorophenol	ND	250	190	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	120	ug/Kg	1	08/05/20	WB	SW8270D	
2,4-Dimethylphenol	ND	250	87	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	100	ug/Kg	1	08/05/20	WB	SW8270D	
2-Methylphenol (o-cresol)	ND	250	160	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	220	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	70	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	120	ug/Kg	1	08/05/20	WB	SW8270D	
4-Chloroaniline	ND	280	160	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	350	160	ug/Kg	1	08/05/20	WB	SW8270D	
Acenaphthene	ND	250	110	ug/Kg	1	08/05/20	WB	SW8270D	
Acenaphthylene	ND	250	98	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	110	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	110	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	700	ug/Kg	1	08/05/20	WB	SW8270D	
Benzyl butyl phthalate	ND	250	90	ug/Kg	1	08/05/20	WB	SW8270D	
Bis(2-chloroethoxy)methane	ND	250	97	ug/Kg	1	08/05/20	WB	SW8270D	
Bis(2-chloroethyl)ether	ND	70	70	ug/Kg	1	08/05/20	WB	SW8270D	
Bis(2-chloroisopropyl)ether	ND	250	97	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	110	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	93	ug/Kg	1	08/05/20	WB	SW8270D	
Di-n-octylphthalate	ND	250	90	ug/Kg	1	08/05/20	WB	SW8270D	
Fluoranthene	ND	250	110	ug/Kg	1	08/05/20	WB	SW8270D	

Project ID: 8 WESTCHESTER AVE, NEW ROCHELLE NY
Client ID: 8WB COMP (10-12`)

Phoenix I.D.: CG47137

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	98	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	70	70	ug/Kg	1	08/05/20	WB	SW8270D
N-Nitrosodi-n-propylamine	ND	70	70	ug/Kg	1	08/05/20	WB	SW8270D
N-Nitrosodiphenylamine	ND	250	130	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	86	ug/Kg	1	08/05/20	WB	SW8270D
QA/QC Surrogates								
% 2,4,6-Tribromophenol	121			%	1	08/05/20	WB	30 - 130 %
% 2-Fluorobiphenyl	84			%	1	08/05/20	WB	30 - 130 %
% 2-Fluorophenol	69			%	1	08/05/20	WB	30 - 130 %
% Nitrobenzene-d5	80			%	1	08/05/20	WB	30 - 130 %
% Phenol-d5	83			%	1	08/05/20	WB	30 - 130 %
% Terphenyl-d14	72			%	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	120	ug/Kg	1	08/05/20	WB	SW8270D
Atrazine	ND	130	70	ug/Kg	1	08/05/20	WB	SW8270D
Benzaldehyde	ND	250	100	ug/Kg	1	08/05/20	WB	SW8270D
Benzo(a)pyrene	ND	250	110	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	121			%	1	08/05/20	WB	30 - 130 %
% 2-Fluorobiphenyl	84			%	1	08/05/20	WB	30 - 130 %
% 2-Fluorophenol	69			%	1	08/05/20	WB	30 - 130 %
% Nitrobenzene-d5	80			%	1	08/05/20	WB	30 - 130 %
% Phenol-d5	83			%	1	08/05/20	WB	30 - 130 %
% Terphenyl-d14	72			%	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.

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 13, 2020
Reviewed and Released by: Phyllis Shiller, Laboratory 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 13, 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	15:10
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: GCG47126
Phoenix ID: CG47138

Project ID: 8 WESTCHESTER AVE, NEW ROCHELLE NY
Client ID: 8WB GRAB (10-12`)

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	5.4	1.1	ug/Kg	1	08/05/20	JLI	SW8260C	
1,1,1-Trichloroethane	ND	5.4	0.54	ug/Kg	1	08/05/20	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	5.4	1.1	ug/Kg	1	08/05/20	JLI	SW8260C	
1,1,2-Trichloroethane	ND	5.4	1.1	ug/Kg	1	08/05/20	JLI	SW8260C	
1,1-Dichloroethane	ND	5.4	1.1	ug/Kg	1	08/05/20	JLI	SW8260C	
1,1-Dichloroethene	ND	5.4	0.54	ug/Kg	1	08/05/20	JLI	SW8260C	
1,1-Dichloropropene	ND	5.4	0.54	ug/Kg	1	08/05/20	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	5.4	1.1	ug/Kg	1	08/05/20	JLI	SW8260C	
1,2,3-Trichloropropane	ND	5.4	0.54	ug/Kg	1	08/05/20	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	5.4	1.1	ug/Kg	1	08/05/20	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	5.4	0.54	ug/Kg	1	08/05/20	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	5.4	1.1	ug/Kg	1	08/05/20	JLI	SW8260C	
1,2-Dibromoethane	ND	1.2	0.54	ug/Kg	1	08/05/20	JLI	SW8260C	
1,2-Dichlorobenzene	ND	5.4	0.54	ug/Kg	1	08/05/20	JLI	SW8260C	
1,2-Dichloroethane	ND	5.4	0.54	ug/Kg	1	08/05/20	JLI	SW8260C	
1,2-Dichloropropane	ND	5.4	1.1	ug/Kg	1	08/05/20	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	5.4	0.54	ug/Kg	1	08/05/20	JLI	SW8260C	
1,3-Dichlorobenzene	ND	5.4	0.54	ug/Kg	1	08/05/20	JLI	SW8260C	
1,3-Dichloropropane	ND	5.4	1.1	ug/Kg	1	08/05/20	JLI	SW8260C	
1,4-Dichlorobenzene	ND	5.4	0.54	ug/Kg	1	08/05/20	JLI	SW8260C	
2,2-Dichloropropane	ND	5.4	0.54	ug/Kg	1	08/05/20	JLI	SW8260C	
2-Chlorotoluene	ND	5.4	1.1	ug/Kg	1	08/05/20	JLI	SW8260C	
2-Hexanone	ND	27	5.4	ug/Kg	1	08/05/20	JLI	SW8260C	
2-Isopropyltoluene	ND	5.4	0.54	ug/Kg	1	08/05/20	JLI	SW8260C	1
4-Chlorotoluene	ND	5.4	0.54	ug/Kg	1	08/05/20	JLI	SW8260C	

Project ID: 8 WESTCHESTER AVE, NEW ROCHELLE NY
Client ID: 8WB GRAB (10-12`)

Phoenix I.D.: CG47138

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	
4-Methyl-2-pentanone	ND	27	5.4	ug/Kg	1	08/05/20	JLI	SW8260C
Acetone	ND	27	5.4	ug/Kg	1	08/05/20	JLI	SW8260C
Acrylonitrile	ND	11	1.1	ug/Kg	1	08/05/20	JLI	SW8260C
Benzene	ND	5.4	0.54	ug/Kg	1	08/05/20	JLI	SW8260C
Bromobenzene	ND	5.4	0.54	ug/Kg	1	08/05/20	JLI	SW8260C
Bromochloromethane	ND	5.4	0.54	ug/Kg	1	08/05/20	JLI	SW8260C
Bromodichloromethane	ND	5.4	1.1	ug/Kg	1	08/05/20	JLI	SW8260C
Bromoform	ND	5.4	1.1	ug/Kg	1	08/05/20	JLI	SW8260C
Bromomethane	ND	5.4	2.2	ug/Kg	1	08/05/20	JLI	SW8260C
Carbon Disulfide	ND	5.4	1.1	ug/Kg	1	08/05/20	JLI	SW8260C
Carbon tetrachloride	ND	5.4	1.1	ug/Kg	1	08/05/20	JLI	SW8260C
Chlorobenzene	ND	5.4	0.54	ug/Kg	1	08/05/20	JLI	SW8260C
Chloroethane	ND	5.4	0.54	ug/Kg	1	08/05/20	JLI	SW8260C
Chloroform	ND	5.4	0.54	ug/Kg	1	08/05/20	JLI	SW8260C
Chloromethane	ND	5.4	1.1	ug/Kg	1	08/05/20	JLI	SW8260C
cis-1,2-Dichloroethene	ND	5.4	0.54	ug/Kg	1	08/05/20	JLI	SW8260C
cis-1,3-Dichloropropene	ND	5.4	0.54	ug/Kg	1	08/05/20	JLI	SW8260C
Dibromochloromethane	ND	5.4	1.1	ug/Kg	1	08/05/20	JLI	SW8260C
Dibromomethane	ND	5.4	1.1	ug/Kg	1	08/05/20	JLI	SW8260C
Dichlorodifluoromethane	ND	5.4	0.54	ug/Kg	1	08/05/20	JLI	SW8260C
Ethylbenzene	ND	5.4	0.54	ug/Kg	1	08/05/20	JLI	SW8260C
Hexachlorobutadiene	ND	5.4	0.54	ug/Kg	1	08/05/20	JLI	SW8260C
Isopropylbenzene	ND	5.4	0.54	ug/Kg	1	08/05/20	JLI	SW8260C
m&p-Xylene	ND	5.4	1.1	ug/Kg	1	08/05/20	JLI	SW8260C
Methyl Ethyl Ketone	ND	33	5.4	ug/Kg	1	08/05/20	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	11	1.1	ug/Kg	1	08/05/20	JLI	SW8260C
Methylene chloride	ND	5.4	5.4	ug/Kg	1	08/05/20	JLI	SW8260C
Naphthalene	ND	5.4	1.1	ug/Kg	1	08/05/20	JLI	SW8260C
n-Butylbenzene	ND	5.4	0.54	ug/Kg	1	08/05/20	JLI	SW8260C
n-Propylbenzene	ND	5.4	1.1	ug/Kg	1	08/05/20	JLI	SW8260C
o-Xylene	ND	5.4	1.1	ug/Kg	1	08/05/20	JLI	SW8260C
p-Isopropyltoluene	ND	5.4	0.54	ug/Kg	1	08/05/20	JLI	SW8260C
sec-Butylbenzene	ND	5.4	0.54	ug/Kg	1	08/05/20	JLI	SW8260C
Styrene	ND	5.4	0.54	ug/Kg	1	08/05/20	JLI	SW8260C
tert-Butylbenzene	ND	5.4	0.54	ug/Kg	1	08/05/20	JLI	SW8260C
Tetrachloroethene	ND	5.4	1.1	ug/Kg	1	08/05/20	JLI	SW8260C
Tetrahydrofuran (THF)	ND	11	2.7	ug/Kg	1	08/05/20	JLI	SW8260C
Toluene	ND	5.4	0.54	ug/Kg	1	08/05/20	JLI	SW8260C
trans-1,2-Dichloroethene	ND	5.4	0.54	ug/Kg	1	08/05/20	JLI	SW8260C
trans-1,3-Dichloropropene	ND	5.4	0.54	ug/Kg	1	08/05/20	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	11	2.7	ug/Kg	1	08/05/20	JLI	SW8260C
Trichloroethene	ND	5.4	0.54	ug/Kg	1	08/05/20	JLI	SW8260C
Trichlorofluoromethane	ND	5.4	1.1	ug/Kg	1	08/05/20	JLI	SW8260C
Trichlorotrifluoroethane	ND	5.4	0.54	ug/Kg	1	08/05/20	JLI	SW8260C
Vinyl chloride	ND	5.4	0.54	ug/Kg	1	08/05/20	JLI	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	99			%	1	08/05/20	JLI	70 - 130 %
% Bromofluorobenzene	97			%	1	08/05/20	JLI	70 - 130 %
% Dibromofluoromethane	93			%	1	08/05/20	JLI	70 - 130 %

Ver 1

Project ID: 8 WESTCHESTER AVE, NEW ROCHELLE NY
Client ID: 8WB GRAB (10-12`)

Phoenix I.D.: CG47138

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By		
% Toluene-d8	100			%	1	08/05/20	JLI	70 - 130 %	
1,4-dioxane									
1,4-dioxane	ND	82		ug/kg	1	08/05/20	JLI	SW8260C	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	99			%	1	08/05/20	JLI	70 - 130 %	
% Bromofluorobenzene	97			%	1	08/05/20	JLI	70 - 130 %	
% Dibromofluoromethane	93			%	1	08/05/20	JLI	70 - 130 %	
% Toluene-d8	100			%	1	08/05/20	JLI	70 - 130 %	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	22		ug/Kg	1	08/05/20	JLI	SW8260C	
Acrolein	ND	1.4		ug/Kg	1	08/05/20	JLI	SW8260C	
Acrylonitrile	ND	22		ug/Kg	1	08/05/20	JLI	SW8260C	
Tert-butyl alcohol	ND	110		ug/Kg	1	08/05/20	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 13, 2020

Reviewed and Released by: Phyllis Shiller, Laboratory 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 13, 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	16:44
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: GCG47126
Phoenix ID: CG47139

Project ID: 8 WESTCHESTER AVE, NEW ROCHELLE NY
Client ID: 8WB COMP (12-14`)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Silver	< 0.32	0.32		mg/Kg	1	08/05/20	TH	SW6010D	
Aluminum	16400	32		mg/Kg	10	08/05/20	TH	SW6010D	
Arsenic	< 0.64	0.64		mg/Kg	1	08/05/20	TH	SW6010D	
Barium	230	0.6		mg/Kg	1	08/05/20	TH	SW6010D	
Beryllium	< 0.25	0.25		mg/Kg	1	08/05/20	TH	SW6010D	
Calcium	874	3.2		mg/Kg	1	08/05/20	TH	SW6010D	
Cadmium	0.95	0.32		mg/Kg	1	08/05/20	TH	SW6010D	
Cobalt	18.5	0.32		mg/Kg	1	08/05/20	TH	SW6010D	
Chromium	29.8	0.32		mg/Kg	1	08/05/20	TH	SW6010D	
Copper	22.2	0.6		mg/kg	1	08/05/20	TH	SW6010D	
Iron	28400	32		mg/Kg	10	08/05/20	EK	SW6010D	
Mercury	< 0.03	0.03		mg/Kg	2	08/05/20	RS	SW7471B	
Potassium	11100	64		mg/Kg	10	08/05/20	EK	SW6010D	
Magnesium	6850	32		mg/Kg	10	08/05/20	TH	SW6010D	
Manganese	1400	32		mg/Kg	100	08/07/20	TH	SW6010D	
Molybdenum	< 0.32	0.32		mg/Kg	1	08/05/20	TH	SW6010D	
Sodium	143	6		mg/Kg	1	08/05/20	EK	SW6010D	
Nickel	26.3	0.32		mg/Kg	1	08/05/20	TH	SW6010D	
Lead	2.0	0.6		mg/Kg	1	08/05/20	TH	SW6010D	
Antimony	< 3.2	3.2		mg/Kg	1	08/05/20	TH	SW6010D	
Selenium	< 1.3	1.3		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	0.16	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: 8 WESTCHESTER AVE, NEW ROCHELLE NY
Client ID: 8WB COMP (12-14`)

Phoenix I.D.: CG47139

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	0.14	0.10		mg/L	1	08/06/20	TH	SW846 1311/6010D	
Thallium	< 1.3	1.3		mg/Kg	1	08/05/20	TH	SW6010D	
TCLP Metals Digestion	Completed					08/05/20	VT/VT	SW3010A	
Vanadium	41.1	0.32		mg/Kg	1	08/05/20	TH	SW6010D	
Zinc	66.6	0.6		mg/Kg	1	08/05/20	TH	SW6010D	
Percent Solid	96			%		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	08/06/20	BJA	1010/CH7/ASTMD92	
Chromium, Hex. (SW3060 digestion)	< 0.42	0.42		mg/Kg	1	08/07/20	ARG/BJA	SW7196A	
Ignitability	Passed	140		degree F	1	08/06/20	BJA	SW846-Ignit	1
pH at 25C - Soil	7.40	1.00		pH Units	1	08/04/20 22:28	MB	SW846 9045	1
Reactivity Cyanide	< 5	5		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	172			mV	1	08/04/20	MB	SM2580B-09	1
Total Cyanide (SW9010C Distill.)	< 0.47	0.47		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	52	52	mg/kg	1	08/05/20	JRB	NJEPH 10-08 R3	1
QA/QC Surrogates									
% COD (surr)	48			%	1	08/05/20	JRB	40 - 140 %	
% Terphenyl (surr)	54			%	1	08/05/20	JRB	40 - 140 %	
Chlorinated Herbicides									
2,4,5-T	ND	86		ug/Kg	10	08/05/20	JRB	SW8151A	
2,4,5-TP (Silvex)	ND	86		ug/Kg	10	08/05/20	JRB	SW8151A	
2,4-D	ND	170		ug/Kg	10	08/05/20	JRB	SW8151A	
2,4-DB	ND	1700		ug/Kg	10	08/05/20	JRB	SW8151A	
Dalapon	ND	86		ug/Kg	10	08/05/20	JRB	SW8151A	
Dicamba	ND	86		ug/Kg	10	08/05/20	JRB	SW8151A	
Dichloroprop	ND	170		ug/Kg	10	08/05/20	JRB	SW8151A	
Dinoseb	ND	170		ug/Kg	10	08/05/20	JRB	SW8151A	
QA/QC Surrogates									
% DCAA	41			%	10	08/05/20	JRB	30 - 150 %	
% DCAA (Confirmation)	45			%	10	08/05/20	JRB	30 - 150 %	
Polychlorinated Biphenyls									
PCB-1016	ND	69	69	ug/Kg	2	08/05/20	SC	SW8082A	

Ver 1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	
PCB-1221	ND	69	69	ug/Kg	2	08/05/20	SC	SW8082A
PCB-1232	ND	69	69	ug/Kg	2	08/05/20	SC	SW8082A
PCB-1242	ND	69	69	ug/Kg	2	08/05/20	SC	SW8082A
PCB-1248	ND	69	69	ug/Kg	2	08/05/20	SC	SW8082A
PCB-1254	ND	69	69	ug/Kg	2	08/05/20	SC	SW8082A
PCB-1260	ND	69	69	ug/Kg	2	08/05/20	SC	SW8082A
PCB-1262	ND	69	69	ug/Kg	2	08/05/20	SC	SW8082A
PCB-1268	ND	69	69	ug/Kg	2	08/05/20	SC	SW8082A
QA/QC Surrogates								
% DCBP	73			%	2	08/05/20	SC	30 - 150 %
% DCBP (Confirmation)	80			%	2	08/05/20	SC	30 - 150 %
% TCMX	71			%	2	08/05/20	SC	30 - 150 %
% TCMX (Confirmation)	71			%	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	6.9		ug/Kg	2	08/05/20	CG	SW8081B
a-Chlordane	ND	3.4		ug/Kg	2	08/05/20	CG	SW8081B
Aldrin	ND	3.4		ug/Kg	2	08/05/20	CG	SW8081B
b-BHC	ND	6.9		ug/Kg	2	08/05/20	CG	SW8081B
Chlordane	ND	34		ug/Kg	2	08/05/20	CG	SW8081B
d-BHC	ND	6.9		ug/Kg	2	08/05/20	CG	SW8081B
Dieldrin	ND	3.4		ug/Kg	2	08/05/20	CG	SW8081B
Endosulfan I	ND	6.9		ug/Kg	2	08/05/20	CG	SW8081B
Endosulfan II	ND	6.9		ug/Kg	2	08/05/20	CG	SW8081B
Endosulfan sulfate	ND	6.9		ug/Kg	2	08/05/20	CG	SW8081B
Endrin	ND	6.9		ug/Kg	2	08/05/20	CG	SW8081B
Endrin aldehyde	ND	6.9		ug/Kg	2	08/05/20	CG	SW8081B
Endrin ketone	ND	6.9		ug/Kg	2	08/05/20	CG	SW8081B
g-BHC	ND	1.4		ug/Kg	2	08/05/20	CG	SW8081B
g-Chlordane	ND	3.4		ug/Kg	2	08/05/20	CG	SW8081B
Heptachlor	ND	6.9		ug/Kg	2	08/05/20	CG	SW8081B
Heptachlor epoxide	ND	6.9		ug/Kg	2	08/05/20	CG	SW8081B
Methoxychlor	ND	34		ug/Kg	2	08/05/20	CG	SW8081B
Toxaphene	ND	140		ug/Kg	2	08/05/20	CG	SW8081B
QA/QC Surrogates								
% DCBP	66			%	2	08/05/20	CG	30 - 150 %
% DCBP (Confirmation)	79			%	2	08/05/20	CG	30 - 150 %
% TCMX	53			%	2	08/05/20	CG	30 - 150 %
% TCMX (Confirmation)	58			%	2	08/05/20	CG	30 - 150 %
Semivolatiles								
1,2,4,5-Tetrachlorobenzene	ND	240	120	ug/Kg	1	08/05/20	WB	SW8270D
1,2,4-Trichlorobenzene	ND	240	100	ug/Kg	1	08/05/20	WB	SW8270D
1,2-Dichlorobenzene	ND	240	95	ug/Kg	1	08/05/20	WB	SW8270D
1,2-Diphenylhydrazine	ND	240	110	ug/Kg	1	08/05/20	WB	SW8270D
1,3-Dichlorobenzene	ND	240	100	ug/Kg	1	08/05/20	WB	SW8270D
1,4-Dichlorobenzene	ND	240	100	ug/Kg	1	08/05/20	WB	SW8270D

Project ID: 8 WESTCHESTER AVE, NEW ROCHELLE NY
Client ID: 8WB COMP (12-14`)

Phoenix I.D.: CG47139

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By		
2,4,5-Trichlorophenol	ND	240	190	ug/Kg	1	08/05/20	WB	SW8270D	
2,4,6-Trichlorophenol	ND	170	110	ug/Kg	1	08/05/20	WB	SW8270D	
2,4-Dichlorophenol	ND	170	120	ug/Kg	1	08/05/20	WB	SW8270D	
2,4-Dimethylphenol	ND	240	84	ug/Kg	1	08/05/20	WB	SW8270D	
2,4-Dinitrophenol	ND	240	240	ug/Kg	1	08/05/20	WB	SW8270D	
2,4-Dinitrotoluene	ND	170	130	ug/Kg	1	08/05/20	WB	SW8270D	
2,6-Dinitrotoluene	ND	170	110	ug/Kg	1	08/05/20	WB	SW8270D	
2-Chloronaphthalene	ND	240	96	ug/Kg	1	08/05/20	WB	SW8270D	
2-Chlorophenol	ND	240	96	ug/Kg	1	08/05/20	WB	SW8270D	
2-Methylnaphthalene	ND	240	100	ug/Kg	1	08/05/20	WB	SW8270D	
2-Methylphenol (o-cresol)	ND	240	160	ug/Kg	1	08/05/20	WB	SW8270D	
2-Nitroaniline	ND	100	100	ug/Kg	1	08/05/20	WB	SW8270D	
2-Nitrophenol	ND	240	210	ug/Kg	1	08/05/20	WB	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND	240	130	ug/Kg	1	08/05/20	WB	SW8270D	1
3,3'-Dichlorobenzidine	ND	170	160	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	200	68	ug/Kg	1	08/05/20	WB	SW8270D	
4-Bromophenyl phenyl ether	ND	240	99	ug/Kg	1	08/05/20	WB	SW8270D	
4-Chloro-3-methylphenol	ND	240	120	ug/Kg	1	08/05/20	WB	SW8270D	
4-Chloroaniline	ND	270	160	ug/Kg	1	08/05/20	WB	SW8270D	
4-Chlorophenyl phenyl ether	ND	240	110	ug/Kg	1	08/05/20	WB	SW8270D	
4-Nitroaniline	ND	86	86	ug/Kg	1	08/05/20	WB	SW8270D	
4-Nitrophenol	ND	340	150	ug/Kg	1	08/05/20	WB	SW8270D	
Acenaphthene	ND	240	100	ug/Kg	1	08/05/20	WB	SW8270D	
Acenaphthylene	ND	240	95	ug/Kg	1	08/05/20	WB	SW8270D	
Acetophenone	ND	240	110	ug/Kg	1	08/05/20	WB	SW8270D	
Aniline	ND	270	270	ug/Kg	1	08/05/20	WB	SW8270D	
Anthracene	ND	240	110	ug/Kg	1	08/05/20	WB	SW8270D	
Benz(a)anthracene	ND	240	110	ug/Kg	1	08/05/20	WB	SW8270D	
Benzidine	ND	340	200	ug/Kg	1	08/05/20	WB	SW8270D	
Benzo(a)pyrene	ND	170	110	ug/Kg	1	08/05/20	WB	SW8270D	
Benzo(b)fluoranthene	ND	240	120	ug/Kg	1	08/05/20	WB	SW8270D	
Benzo(ghi)perylene	ND	240	110	ug/Kg	1	08/05/20	WB	SW8270D	
Benzo(k)fluoranthene	ND	240	110	ug/Kg	1	08/05/20	WB	SW8270D	
Benzoic acid	ND	1700	680	ug/Kg	1	08/05/20	WB	SW8270D	
Benzyl butyl phthalate	ND	240	87	ug/Kg	1	08/05/20	WB	SW8270D	
Bis(2-chloroethoxy)methane	ND	240	93	ug/Kg	1	08/05/20	WB	SW8270D	
Bis(2-chloroethyl)ether	ND	68	68	ug/Kg	1	08/05/20	WB	SW8270D	
Bis(2-chloroisopropyl)ether	ND	240	94	ug/Kg	1	08/05/20	WB	SW8270D	
Bis(2-ethylhexyl)phthalate	ND	240	97	ug/Kg	1	08/05/20	WB	SW8270D	
Carbazole	ND	170	140	ug/Kg	1	08/05/20	WB	SW8270D	
Chrysene	ND	240	110	ug/Kg	1	08/05/20	WB	SW8270D	
Dibenz(a,h)anthracene	ND	170	110	ug/Kg	1	08/05/20	WB	SW8270D	
Dibenzofuran	ND	240	99	ug/Kg	1	08/05/20	WB	SW8270D	
Diethyl phthalate	ND	240	110	ug/Kg	1	08/05/20	WB	SW8270D	
Dimethylphthalate	ND	240	100	ug/Kg	1	08/05/20	WB	SW8270D	
Di-n-butylphthalate	ND	240	90	ug/Kg	1	08/05/20	WB	SW8270D	
Di-n-octylphthalate	ND	240	87	ug/Kg	1	08/05/20	WB	SW8270D	
Fluoranthene	ND	240	110	ug/Kg	1	08/05/20	WB	SW8270D	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	
Fluorene	ND	240	110	ug/Kg	1	08/05/20	WB	SW8270D
Hexachlorobenzene	ND	170	99	ug/Kg	1	08/05/20	WB	SW8270D
Hexachlorobutadiene	ND	240	120	ug/Kg	1	08/05/20	WB	SW8270D
Hexachlorocyclopentadiene	ND	240	100	ug/Kg	1	08/05/20	WB	SW8270D
Hexachloroethane	ND	170	100	ug/Kg	1	08/05/20	WB	SW8270D
Indeno(1,2,3-cd)pyrene	ND	240	110	ug/Kg	1	08/05/20	WB	SW8270D
Isophorone	ND	170	95	ug/Kg	1	08/05/20	WB	SW8270D
Naphthalene	ND	240	97	ug/Kg	1	08/05/20	WB	SW8270D
Nitrobenzene	ND	170	120	ug/Kg	1	08/05/20	WB	SW8270D
N-Nitrosodimethylamine	ND	68	68	ug/Kg	1	08/05/20	WB	SW8270D
N-Nitrosodi-n-propylamine	ND	68	68	ug/Kg	1	08/05/20	WB	SW8270D
N-Nitrosodiphenylamine	ND	240	130	ug/Kg	1	08/05/20	WB	SW8270D
Pentachloronitrobenzene	ND	240	130	ug/Kg	1	08/05/20	WB	SW8270D
Pentachlorophenol	ND	200	130	ug/Kg	1	08/05/20	WB	SW8270D
Phenanthrene	ND	240	97	ug/Kg	1	08/05/20	WB	SW8270D
Phenol	ND	240	110	ug/Kg	1	08/05/20	WB	SW8270D
Pyrene	ND	240	120	ug/Kg	1	08/05/20	WB	SW8270D
Pyridine	ND	220	83	ug/Kg	1	08/05/20	WB	SW8270D
QA/QC Surrogates								
% 2,4,6-Tribromophenol	116			%	1	08/05/20	WB	30 - 130 %
% 2-Fluorobiphenyl	79			%	1	08/05/20	WB	30 - 130 %
% 2-Fluorophenol	68			%	1	08/05/20	WB	30 - 130 %
% Nitrobenzene-d5	80			%	1	08/05/20	WB	30 - 130 %
% Phenol-d5	81			%	1	08/05/20	WB	30 - 130 %
% Terphenyl-d14	82			%	1	08/05/20	WB	30 - 130 %

Additional Semi-Volatile Compounds

1,1-Biphenyl	ND	240	100	ug/Kg	1	08/05/20	WB	SW8270D
1,2,4,5-Tetrachlorobenzene	ND	240	120	ug/Kg	1	08/05/20	WB	SW8270D
Atrazine	ND	130	68	ug/Kg	1	08/05/20	WB	SW8270D
Benzaldehyde	ND	240	100	ug/Kg	1	08/05/20	WB	SW8270D
Benzo(a)pyrene	ND	240	110	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	116			%	1	08/05/20	WB	30 - 130 %
% 2-Fluorobiphenyl	79			%	1	08/05/20	WB	30 - 130 %
% 2-Fluorophenol	68			%	1	08/05/20	WB	30 - 130 %
% Nitrobenzene-d5	80			%	1	08/05/20	WB	30 - 130 %
% Phenol-d5	81			%	1	08/05/20	WB	30 - 130 %
% Terphenyl-d14	82			%	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.

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 13, 2020
Reviewed and Released by: Phyllis Shiller, Laboratory Director

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

August 13, 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	15:15
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: GCG47126
Phoenix ID: CG47140

Project ID: 8 WESTCHESTER AVE, NEW ROCHELLE NY
Client ID: 8WB GRAB (12-14`)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Percent Solid	94			%		08/04/20	HB	SW846-%Solid	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	5.8	1.2	ug/Kg	1	08/05/20	JLI	SW8260C	
1,1,1-Trichloroethane	ND	5.8	0.58	ug/Kg	1	08/05/20	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	5.8	1.2	ug/Kg	1	08/05/20	JLI	SW8260C	
1,1,2-Trichloroethane	ND	5.8	1.2	ug/Kg	1	08/05/20	JLI	SW8260C	
1,1-Dichloroethane	ND	5.8	1.2	ug/Kg	1	08/05/20	JLI	SW8260C	
1,1-Dichloroethene	ND	5.8	0.58	ug/Kg	1	08/05/20	JLI	SW8260C	
1,1-Dichloropropene	ND	5.8	0.58	ug/Kg	1	08/05/20	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	5.8	1.2	ug/Kg	1	08/05/20	JLI	SW8260C	
1,2,3-Trichloropropane	ND	5.8	0.58	ug/Kg	1	08/05/20	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	5.8	1.2	ug/Kg	1	08/05/20	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	5.8	0.58	ug/Kg	1	08/05/20	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	5.8	1.2	ug/Kg	1	08/05/20	JLI	SW8260C	
1,2-Dibromoethane	ND	1.2	0.58	ug/Kg	1	08/05/20	JLI	SW8260C	
1,2-Dichlorobenzene	ND	5.8	0.58	ug/Kg	1	08/05/20	JLI	SW8260C	
1,2-Dichloroethane	ND	5.8	0.58	ug/Kg	1	08/05/20	JLI	SW8260C	
1,2-Dichloropropane	ND	5.8	1.2	ug/Kg	1	08/05/20	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	5.8	0.58	ug/Kg	1	08/05/20	JLI	SW8260C	
1,3-Dichlorobenzene	ND	5.8	0.58	ug/Kg	1	08/05/20	JLI	SW8260C	
1,3-Dichloropropane	ND	5.8	1.2	ug/Kg	1	08/05/20	JLI	SW8260C	
1,4-Dichlorobenzene	ND	5.8	0.58	ug/Kg	1	08/05/20	JLI	SW8260C	
2,2-Dichloropropane	ND	5.8	0.58	ug/Kg	1	08/05/20	JLI	SW8260C	
2-Chlorotoluene	ND	5.8	1.2	ug/Kg	1	08/05/20	JLI	SW8260C	
2-Hexanone	ND	29	5.8	ug/Kg	1	08/05/20	JLI	SW8260C	
2-Isopropyltoluene	ND	5.8	0.58	ug/Kg	1	08/05/20	JLI	SW8260C	1
4-Chlorotoluene	ND	5.8	0.58	ug/Kg	1	08/05/20	JLI	SW8260C	

Project ID: 8 WESTCHESTER AVE, NEW ROCHELLE NY
Client ID: 8WB GRAB (12-14`)

Phoenix I.D.: CG47140

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	
4-Methyl-2-pentanone	ND	29	5.8	ug/Kg	1	08/05/20	JLI	SW8260C
Acetone	ND	29	5.8	ug/Kg	1	08/05/20	JLI	SW8260C
Acrylonitrile	ND	12	1.2	ug/Kg	1	08/05/20	JLI	SW8260C
Benzene	ND	5.8	0.58	ug/Kg	1	08/05/20	JLI	SW8260C
Bromobenzene	ND	5.8	0.58	ug/Kg	1	08/05/20	JLI	SW8260C
Bromochloromethane	ND	5.8	0.58	ug/Kg	1	08/05/20	JLI	SW8260C
Bromodichloromethane	ND	5.8	1.2	ug/Kg	1	08/05/20	JLI	SW8260C
Bromoform	ND	5.8	1.2	ug/Kg	1	08/05/20	JLI	SW8260C
Bromomethane	ND	5.8	2.3	ug/Kg	1	08/05/20	JLI	SW8260C
Carbon Disulfide	ND	5.8	1.2	ug/Kg	1	08/05/20	JLI	SW8260C
Carbon tetrachloride	ND	5.8	1.2	ug/Kg	1	08/05/20	JLI	SW8260C
Chlorobenzene	ND	5.8	0.58	ug/Kg	1	08/05/20	JLI	SW8260C
Chloroethane	ND	5.8	0.58	ug/Kg	1	08/05/20	JLI	SW8260C
Chloroform	ND	5.8	0.58	ug/Kg	1	08/05/20	JLI	SW8260C
Chloromethane	ND	5.8	1.2	ug/Kg	1	08/05/20	JLI	SW8260C
cis-1,2-Dichloroethene	ND	5.8	0.58	ug/Kg	1	08/05/20	JLI	SW8260C
cis-1,3-Dichloropropene	ND	5.8	0.58	ug/Kg	1	08/05/20	JLI	SW8260C
Dibromochloromethane	ND	5.8	1.2	ug/Kg	1	08/05/20	JLI	SW8260C
Dibromomethane	ND	5.8	1.2	ug/Kg	1	08/05/20	JLI	SW8260C
Dichlorodifluoromethane	ND	5.8	0.58	ug/Kg	1	08/05/20	JLI	SW8260C
Ethylbenzene	ND	5.8	0.58	ug/Kg	1	08/05/20	JLI	SW8260C
Hexachlorobutadiene	ND	5.8	0.58	ug/Kg	1	08/05/20	JLI	SW8260C
Isopropylbenzene	ND	5.8	0.58	ug/Kg	1	08/05/20	JLI	SW8260C
m&p-Xylene	ND	5.8	1.2	ug/Kg	1	08/05/20	JLI	SW8260C
Methyl Ethyl Ketone	ND	35	5.8	ug/Kg	1	08/05/20	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	12	1.2	ug/Kg	1	08/05/20	JLI	SW8260C
Methylene chloride	ND	5.8	5.8	ug/Kg	1	08/05/20	JLI	SW8260C
Naphthalene	ND	5.8	1.2	ug/Kg	1	08/05/20	JLI	SW8260C
n-Butylbenzene	ND	5.8	0.58	ug/Kg	1	08/05/20	JLI	SW8260C
n-Propylbenzene	ND	5.8	1.2	ug/Kg	1	08/05/20	JLI	SW8260C
o-Xylene	ND	5.8	1.2	ug/Kg	1	08/05/20	JLI	SW8260C
p-Isopropyltoluene	ND	5.8	0.58	ug/Kg	1	08/05/20	JLI	SW8260C
sec-Butylbenzene	ND	5.8	0.58	ug/Kg	1	08/05/20	JLI	SW8260C
Styrene	ND	5.8	0.58	ug/Kg	1	08/05/20	JLI	SW8260C
tert-Butylbenzene	ND	5.8	0.58	ug/Kg	1	08/05/20	JLI	SW8260C
Tetrachloroethene	ND	5.8	1.2	ug/Kg	1	08/05/20	JLI	SW8260C
Tetrahydrofuran (THF)	ND	12	2.9	ug/Kg	1	08/05/20	JLI	SW8260C
Toluene	ND	5.8	0.58	ug/Kg	1	08/05/20	JLI	SW8260C
trans-1,2-Dichloroethene	ND	5.8	0.58	ug/Kg	1	08/05/20	JLI	SW8260C
trans-1,3-Dichloropropene	ND	5.8	0.58	ug/Kg	1	08/05/20	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	12	2.9	ug/Kg	1	08/05/20	JLI	SW8260C
Trichloroethene	ND	5.8	0.58	ug/Kg	1	08/05/20	JLI	SW8260C
Trichlorofluoromethane	ND	5.8	1.2	ug/Kg	1	08/05/20	JLI	SW8260C
Trichlorotrifluoroethane	ND	5.8	0.58	ug/Kg	1	08/05/20	JLI	SW8260C
Vinyl chloride	ND	5.8	0.58	ug/Kg	1	08/05/20	JLI	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	99			%	1	08/05/20	JLI	70 - 130 %
% Bromofluorobenzene	99			%	1	08/05/20	JLI	70 - 130 %
% Dibromofluoromethane	91			%	1	08/05/20	JLI	70 - 130 %

Project ID: 8 WESTCHESTER AVE, NEW ROCHELLE NY
Client ID: 8WB GRAB (12-14`)

Phoenix I.D.: CG47140

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By		
% Toluene-d8	100			%	1	08/05/20	JLI	70 - 130 %	
1,4-dioxane									
1,4-dioxane	ND	87		ug/kg	1	08/05/20	JLI	SW8260C	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	99			%	1	08/05/20	JLI	70 - 130 %	
% Bromofluorobenzene	99			%	1	08/05/20	JLI	70 - 130 %	
% Dibromofluoromethane	91			%	1	08/05/20	JLI	70 - 130 %	
% Toluene-d8	100			%	1	08/05/20	JLI	70 - 130 %	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	23		ug/Kg	1	08/05/20	JLI	SW8260C	
Acrolein	ND	1.4		ug/Kg	1	08/05/20	JLI	SW8260C	
Acrylonitrile	ND	23		ug/Kg	1	08/05/20	JLI	SW8260C	
Tert-butyl alcohol	ND	120		ug/Kg	1	08/05/20	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 13, 2020

Reviewed and Released by: Phyllis Shiller, Laboratory Director

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

August 13, 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	17:00
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: GCG47126
Phoenix ID: CG47141

Project ID: 8 WESTCHESTER AVE, NEW ROCHELLE NY
Client ID: 8WB COMP (14-16`)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Silver	< 0.36	0.36		mg/Kg	1	08/05/20	TH	SW6010D	
Aluminum	16900	36		mg/Kg	10	08/05/20	TH	SW6010D	
Arsenic	< 0.71	0.71		mg/Kg	1	08/05/20	TH	SW6010D	
Barium	187	0.7		mg/Kg	1	08/05/20	TH	SW6010D	
Beryllium	< 0.29	0.29		mg/Kg	1	08/05/20	TH	SW6010D	
Calcium	1170	3.6		mg/Kg	1	08/05/20	TH	SW6010D	
Cadmium	1.00	0.36		mg/Kg	1	08/05/20	TH	SW6010D	
Cobalt	18.8	0.36		mg/Kg	1	08/05/20	TH	SW6010D	
Chromium	31.6	0.36		mg/Kg	1	08/05/20	TH	SW6010D	
Copper	32.9	0.7		mg/kg	1	08/05/20	TH	SW6010D	
Iron	28500	36		mg/Kg	10	08/05/20	EK	SW6010D	
Mercury	< 0.03	0.03		mg/Kg	2	08/05/20	RS	SW7471B	
Potassium	11300	71		mg/Kg	10	08/05/20	EK	SW6010D	
Magnesium	7100	36		mg/Kg	10	08/05/20	TH	SW6010D	
Manganese	522	3.6		mg/Kg	10	08/05/20	EK	SW6010D	
Molybdenum	< 0.36	0.36		mg/Kg	1	08/05/20	TH	SW6010D	
Sodium	150	7		mg/Kg	1	08/05/20	EK	SW6010D	
Nickel	24.4	0.36		mg/Kg	1	08/05/20	TH	SW6010D	
Lead	1.7	0.7		mg/Kg	1	08/05/20	TH	SW6010D	
Antimony	< 3.6	3.6		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	0.23	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: 8 WESTCHESTER AVE, NEW ROCHELLE NY
Client ID: 8WB COMP (14-16`)

Phoenix I.D.: CG47141

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	< 1.4	1.4		mg/Kg	1	08/05/20	TH	SW6010D	
TCLP Metals Digestion	Completed					08/05/20	VT/VT	SW3010A	
Vanadium	44.4	0.36		mg/Kg	1	08/05/20	TH	SW6010D	
Zinc	67.7	0.7		mg/Kg	1	08/05/20	TH	SW6010D	
Percent Solid	96			%		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	08/06/20	BJA	1010/CH7/ASTMD92	
Chromium, Hex. (SW3060 digestion)	< 0.42	0.42		mg/Kg	1	08/07/20	ARG/BJA	SW7196A	
Ignitability	Passed	140		degree F	1	08/06/20	BJA	SW846-Ignit	1
pH at 25C - Soil	7.25	1.00		pH Units	1	08/04/20 22:28	MB	SW846 9045	1
Reactivity Cyanide	< 5	5		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	184			mV	1	08/04/20	MB	SM2580B-09	1
Total Cyanide (SW9010C Distill.)	< 0.47	0.47		mg/Kg	1	08/07/20	EG	SW9012B	
Soil Extraction for PCB	Completed					08/04/20	L/AA	SW3545A	
Soil Extraction for Pesticides	Completed					08/04/20	L/A	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	51	51	mg/kg	1	08/05/20	JRB	NJEPH 10-08 R3	1
QA/QC Surrogates									
% COD (surr)	50			%	1	08/05/20	JRB	40 - 140 %	
% Terphenyl (surr)	56			%	1	08/05/20	JRB	40 - 140 %	
Chlorinated Herbicides									
2,4,5-T	ND	86		ug/Kg	10	08/05/20	JRB	SW8151A	
2,4,5-TP (Silvex)	ND	86		ug/Kg	10	08/05/20	JRB	SW8151A	
2,4-D	ND	170		ug/Kg	10	08/05/20	JRB	SW8151A	
2,4-DB	ND	1700		ug/Kg	10	08/05/20	JRB	SW8151A	
Dalapon	ND	86		ug/Kg	10	08/05/20	JRB	SW8151A	
Dicamba	ND	86		ug/Kg	10	08/05/20	JRB	SW8151A	
Dichloroprop	ND	170		ug/Kg	10	08/05/20	JRB	SW8151A	
Dinoseb	ND	170		ug/Kg	10	08/05/20	JRB	SW8151A	
QA/QC Surrogates									
% DCAA	47			%	10	08/05/20	JRB	30 - 150 %	
% DCAA (Confirmation)	52			%	10	08/05/20	JRB	30 - 150 %	
Polychlorinated Biphenyls									
PCB-1016	ND	69	69	ug/Kg	2	08/06/20	SC	SW8082A	

Ver 1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	
PCB-1221	ND	69	69	ug/Kg	2	08/06/20	SC	SW8082A
PCB-1232	ND	69	69	ug/Kg	2	08/06/20	SC	SW8082A
PCB-1242	ND	69	69	ug/Kg	2	08/06/20	SC	SW8082A
PCB-1248	ND	69	69	ug/Kg	2	08/06/20	SC	SW8082A
PCB-1254	ND	69	69	ug/Kg	2	08/06/20	SC	SW8082A
PCB-1260	ND	69	69	ug/Kg	2	08/06/20	SC	SW8082A
PCB-1262	ND	69	69	ug/Kg	2	08/06/20	SC	SW8082A
PCB-1268	ND	69	69	ug/Kg	2	08/06/20	SC	SW8082A
QA/QC Surrogates								
% DCBP	98			%	2	08/06/20	SC	30 - 150 %
% DCBP (Confirmation)	93			%	2	08/06/20	SC	30 - 150 %
% TCMX	78			%	2	08/06/20	SC	30 - 150 %
% TCMX (Confirmation)	72			%	2	08/06/20	SC	30 - 150 %
Pesticides - Soil								
4,4' -DDD	ND	2.1		ug/Kg	2	08/06/20	CG	SW8081B
4,4' -DDE	ND	2.1		ug/Kg	2	08/06/20	CG	SW8081B
4,4' -DDT	ND	2.1		ug/Kg	2	08/06/20	CG	SW8081B
a-BHC	ND	6.9		ug/Kg	2	08/06/20	CG	SW8081B
a-Chlordane	ND	3.5		ug/Kg	2	08/06/20	CG	SW8081B
Aldrin	ND	3.5		ug/Kg	2	08/06/20	CG	SW8081B
b-BHC	ND	6.9		ug/Kg	2	08/06/20	CG	SW8081B
Chlordane	ND	35		ug/Kg	2	08/06/20	CG	SW8081B
d-BHC	ND	6.9		ug/Kg	2	08/06/20	CG	SW8081B
Dieldrin	ND	3.5		ug/Kg	2	08/06/20	CG	SW8081B
Endosulfan I	ND	6.9		ug/Kg	2	08/06/20	CG	SW8081B
Endosulfan II	ND	6.9		ug/Kg	2	08/06/20	CG	SW8081B
Endosulfan sulfate	ND	6.9		ug/Kg	2	08/06/20	CG	SW8081B
Endrin	ND	6.9		ug/Kg	2	08/06/20	CG	SW8081B
Endrin aldehyde	ND	6.9		ug/Kg	2	08/06/20	CG	SW8081B
Endrin ketone	ND	6.9		ug/Kg	2	08/06/20	CG	SW8081B
g-BHC	ND	1.4		ug/Kg	2	08/06/20	CG	SW8081B
g-Chlordane	ND	3.5		ug/Kg	2	08/06/20	CG	SW8081B
Heptachlor	ND	6.9		ug/Kg	2	08/06/20	CG	SW8081B
Heptachlor epoxide	ND	6.9		ug/Kg	2	08/06/20	CG	SW8081B
Methoxychlor	ND	35		ug/Kg	2	08/06/20	CG	SW8081B
Toxaphene	ND	140		ug/Kg	2	08/06/20	CG	SW8081B
QA/QC Surrogates								
% DCBP	58			%	2	08/06/20	CG	30 - 150 %
% DCBP (Confirmation)	70			%	2	08/06/20	CG	30 - 150 %
% TCMX	47			%	2	08/06/20	CG	30 - 150 %
% TCMX (Confirmation)	50			%	2	08/06/20	CG	30 - 150 %
Semivolatiles								
1,2,4,5-Tetrachlorobenzene	ND	240	120	ug/Kg	1	08/05/20	WB	SW8270D
1,2,4-Trichlorobenzene	ND	240	100	ug/Kg	1	08/05/20	WB	SW8270D
1,2-Dichlorobenzene	ND	240	97	ug/Kg	1	08/05/20	WB	SW8270D
1,2-Diphenylhydrazine	ND	240	110	ug/Kg	1	08/05/20	WB	SW8270D
1,3-Dichlorobenzene	ND	240	100	ug/Kg	1	08/05/20	WB	SW8270D
1,4-Dichlorobenzene	ND	240	100	ug/Kg	1	08/05/20	WB	SW8270D

Project ID: 8 WESTCHESTER AVE, NEW ROCHELLE NY
Client ID: 8WB COMP (14-16`)

Phoenix I.D.: CG47141

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By		
2,4,5-Trichlorophenol	ND	240	190	ug/Kg	1	08/05/20	WB	SW8270D	
2,4,6-Trichlorophenol	ND	170	110	ug/Kg	1	08/05/20	WB	SW8270D	
2,4-Dichlorophenol	ND	170	120	ug/Kg	1	08/05/20	WB	SW8270D	
2,4-Dimethylphenol	ND	240	85	ug/Kg	1	08/05/20	WB	SW8270D	
2,4-Dinitrophenol	ND	240	240	ug/Kg	1	08/05/20	WB	SW8270D	
2,4-Dinitrotoluene	ND	170	140	ug/Kg	1	08/05/20	WB	SW8270D	
2,6-Dinitrotoluene	ND	170	110	ug/Kg	1	08/05/20	WB	SW8270D	
2-Chloronaphthalene	ND	240	97	ug/Kg	1	08/05/20	WB	SW8270D	
2-Chlorophenol	ND	240	97	ug/Kg	1	08/05/20	WB	SW8270D	
2-Methylnaphthalene	ND	240	100	ug/Kg	1	08/05/20	WB	SW8270D	
2-Methylphenol (o-cresol)	ND	240	160	ug/Kg	1	08/05/20	WB	SW8270D	
2-Nitroaniline	ND	100	100	ug/Kg	1	08/05/20	WB	SW8270D	
2-Nitrophenol	ND	240	220	ug/Kg	1	08/05/20	WB	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND	240	140	ug/Kg	1	08/05/20	WB	SW8270D	1
3,3'-Dichlorobenzidine	ND	170	160	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	69	ug/Kg	1	08/05/20	WB	SW8270D	
4-Bromophenyl phenyl ether	ND	240	100	ug/Kg	1	08/05/20	WB	SW8270D	
4-Chloro-3-methylphenol	ND	240	120	ug/Kg	1	08/05/20	WB	SW8270D	
4-Chloroaniline	ND	270	160	ug/Kg	1	08/05/20	WB	SW8270D	
4-Chlorophenyl phenyl ether	ND	240	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	340	160	ug/Kg	1	08/05/20	WB	SW8270D	
Acenaphthene	ND	240	100	ug/Kg	1	08/05/20	WB	SW8270D	
Acenaphthylene	ND	240	96	ug/Kg	1	08/05/20	WB	SW8270D	
Acetophenone	ND	240	110	ug/Kg	1	08/05/20	WB	SW8270D	
Aniline	ND	270	270	ug/Kg	1	08/05/20	WB	SW8270D	
Anthracene	ND	240	110	ug/Kg	1	08/05/20	WB	SW8270D	
Benz(a)anthracene	ND	240	120	ug/Kg	1	08/05/20	WB	SW8270D	
Benzidine	ND	340	200	ug/Kg	1	08/05/20	WB	SW8270D	
Benzo(a)pyrene	ND	170	110	ug/Kg	1	08/05/20	WB	SW8270D	
Benzo(b)fluoranthene	ND	240	120	ug/Kg	1	08/05/20	WB	SW8270D	
Benzo(ghi)perylene	ND	240	110	ug/Kg	1	08/05/20	WB	SW8270D	
Benzo(k)fluoranthene	ND	240	110	ug/Kg	1	08/05/20	WB	SW8270D	
Benzoic acid	ND	1700	690	ug/Kg	1	08/05/20	WB	SW8270D	
Benzyl butyl phthalate	ND	240	89	ug/Kg	1	08/05/20	WB	SW8270D	
Bis(2-chloroethoxy)methane	ND	240	95	ug/Kg	1	08/05/20	WB	SW8270D	
Bis(2-chloroethyl)ether	ND	69	69	ug/Kg	1	08/05/20	WB	SW8270D	
Bis(2-chloroisopropyl)ether	ND	240	95	ug/Kg	1	08/05/20	WB	SW8270D	
Bis(2-ethylhexyl)phthalate	ND	240	99	ug/Kg	1	08/05/20	WB	SW8270D	
Carbazole	ND	170	140	ug/Kg	1	08/05/20	WB	SW8270D	
Chrysene	ND	240	120	ug/Kg	1	08/05/20	WB	SW8270D	
Dibenz(a,h)anthracene	ND	170	110	ug/Kg	1	08/05/20	WB	SW8270D	
Dibenzofuran	ND	240	100	ug/Kg	1	08/05/20	WB	SW8270D	
Diethyl phthalate	ND	240	110	ug/Kg	1	08/05/20	WB	SW8270D	
Dimethylphthalate	ND	240	110	ug/Kg	1	08/05/20	WB	SW8270D	
Di-n-butylphthalate	ND	240	91	ug/Kg	1	08/05/20	WB	SW8270D	
Di-n-octylphthalate	ND	240	89	ug/Kg	1	08/05/20	WB	SW8270D	
Fluoranthene	ND	240	110	ug/Kg	1	08/05/20	WB	SW8270D	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	
Fluorene	ND	240	110	ug/Kg	1	08/05/20	WB	SW8270D
Hexachlorobenzene	ND	170	100	ug/Kg	1	08/05/20	WB	SW8270D
Hexachlorobutadiene	ND	240	120	ug/Kg	1	08/05/20	WB	SW8270D
Hexachlorocyclopentadiene	ND	240	100	ug/Kg	1	08/05/20	WB	SW8270D
Hexachloroethane	ND	170	100	ug/Kg	1	08/05/20	WB	SW8270D
Indeno(1,2,3-cd)pyrene	ND	240	110	ug/Kg	1	08/05/20	WB	SW8270D
Isophorone	ND	170	96	ug/Kg	1	08/05/20	WB	SW8270D
Naphthalene	ND	240	99	ug/Kg	1	08/05/20	WB	SW8270D
Nitrobenzene	ND	170	120	ug/Kg	1	08/05/20	WB	SW8270D
N-Nitrosodimethylamine	ND	69	69	ug/Kg	1	08/05/20	WB	SW8270D
N-Nitrosodi-n-propylamine	ND	69	69	ug/Kg	1	08/05/20	WB	SW8270D
N-Nitrosodiphenylamine	ND	240	130	ug/Kg	1	08/05/20	WB	SW8270D
Pentachloronitrobenzene	ND	240	130	ug/Kg	1	08/05/20	WB	SW8270D
Pentachlorophenol	ND	210	130	ug/Kg	1	08/05/20	WB	SW8270D
Phenanthrene	ND	240	98	ug/Kg	1	08/05/20	WB	SW8270D
Phenol	ND	240	110	ug/Kg	1	08/05/20	WB	SW8270D
Pyrene	ND	240	120	ug/Kg	1	08/05/20	WB	SW8270D
Pyridine	ND	220	84	ug/Kg	1	08/05/20	WB	SW8270D
QA/QC Surrogates								
% 2,4,6-Tribromophenol	125			%	1	08/05/20	WB	30 - 130 %
% 2-Fluorobiphenyl	82			%	1	08/05/20	WB	30 - 130 %
% 2-Fluorophenol	67			%	1	08/05/20	WB	30 - 130 %
% Nitrobenzene-d5	78			%	1	08/05/20	WB	30 - 130 %
% Phenol-d5	77			%	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	240	100	ug/Kg	1	08/05/20	WB	SW8270D
1,2,4,5-Tetrachlorobenzene	ND	240	120	ug/Kg	1	08/05/20	WB	SW8270D
Atrazine	ND	130	69	ug/Kg	1	08/05/20	WB	SW8270D
Benzaldehyde	ND	240	100	ug/Kg	1	08/05/20	WB	SW8270D
Benzo(a)pyrene	ND	240	110	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	125			%	1	08/05/20	WB	30 - 130 %
% 2-Fluorobiphenyl	82			%	1	08/05/20	WB	30 - 130 %
% 2-Fluorophenol	67			%	1	08/05/20	WB	30 - 130 %
% Nitrobenzene-d5	78			%	1	08/05/20	WB	30 - 130 %
% Phenol-d5	77			%	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	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.

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.

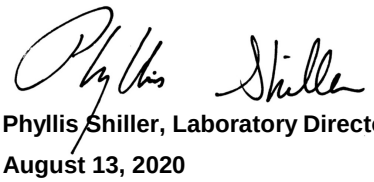
The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Sulfide. This method is no longer listed in the current version of SW-846.

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 13, 2020
Reviewed and Released by: Phyllis Shiller, Laboratory 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 13, 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	15:20
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: GCG47126
Phoenix ID: CG47142

Project ID: 8 WESTCHESTER AVE, NEW ROCHELLE NY
Client ID: 8WB 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	5.9	1.2	ug/Kg	1	08/06/20	JLI	SW8260C	
1,1,1-Trichloroethane	ND	5.9	0.59	ug/Kg	1	08/06/20	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	5.9	1.2	ug/Kg	1	08/06/20	JLI	SW8260C	
1,1,2-Trichloroethane	ND	5.9	1.2	ug/Kg	1	08/06/20	JLI	SW8260C	
1,1-Dichloroethane	ND	5.9	1.2	ug/Kg	1	08/06/20	JLI	SW8260C	
1,1-Dichloroethene	ND	5.9	0.59	ug/Kg	1	08/06/20	JLI	SW8260C	
1,1-Dichloropropene	ND	5.9	0.59	ug/Kg	1	08/06/20	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	5.9	1.2	ug/Kg	1	08/06/20	JLI	SW8260C	
1,2,3-Trichloropropane	ND	5.9	0.59	ug/Kg	1	08/06/20	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	5.9	1.2	ug/Kg	1	08/06/20	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	5.9	0.59	ug/Kg	1	08/06/20	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	5.9	1.2	ug/Kg	1	08/06/20	JLI	SW8260C	
1,2-Dibromoethane	ND	1.2	0.59	ug/Kg	1	08/06/20	JLI	SW8260C	
1,2-Dichlorobenzene	ND	5.9	0.59	ug/Kg	1	08/06/20	JLI	SW8260C	
1,2-Dichloroethane	ND	5.9	0.59	ug/Kg	1	08/06/20	JLI	SW8260C	
1,2-Dichloropropane	ND	5.9	1.2	ug/Kg	1	08/06/20	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	5.9	0.59	ug/Kg	1	08/06/20	JLI	SW8260C	
1,3-Dichlorobenzene	ND	5.9	0.59	ug/Kg	1	08/06/20	JLI	SW8260C	
1,3-Dichloropropane	ND	5.9	1.2	ug/Kg	1	08/06/20	JLI	SW8260C	
1,4-Dichlorobenzene	ND	5.9	0.59	ug/Kg	1	08/06/20	JLI	SW8260C	
2,2-Dichloropropane	ND	5.9	0.59	ug/Kg	1	08/06/20	JLI	SW8260C	
2-Chlorotoluene	ND	5.9	1.2	ug/Kg	1	08/06/20	JLI	SW8260C	
2-Hexanone	ND	29	5.9	ug/Kg	1	08/06/20	JLI	SW8260C	
2-Isopropyltoluene	ND	5.9	0.59	ug/Kg	1	08/06/20	JLI	SW8260C	1
4-Chlorotoluene	ND	5.9	0.59	ug/Kg	1	08/06/20	JLI	SW8260C	

Project ID: 8 WESTCHESTER AVE, NEW ROCHELLE NY
Client ID: 8WB GRAB (14-16`)

Phoenix I.D.: CG47142

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	
4-Methyl-2-pentanone	ND	29	5.9	ug/Kg	1	08/06/20	JLI	SW8260C
Acetone	ND	29	5.9	ug/Kg	1	08/06/20	JLI	SW8260C
Acrylonitrile	ND	12	1.2	ug/Kg	1	08/06/20	JLI	SW8260C
Benzene	ND	5.9	0.59	ug/Kg	1	08/06/20	JLI	SW8260C
Bromobenzene	ND	5.9	0.59	ug/Kg	1	08/06/20	JLI	SW8260C
Bromochloromethane	ND	5.9	0.59	ug/Kg	1	08/06/20	JLI	SW8260C
Bromodichloromethane	ND	5.9	1.2	ug/Kg	1	08/06/20	JLI	SW8260C
Bromoform	ND	5.9	1.2	ug/Kg	1	08/06/20	JLI	SW8260C
Bromomethane	ND	5.9	2.4	ug/Kg	1	08/06/20	JLI	SW8260C
Carbon Disulfide	ND	5.9	1.2	ug/Kg	1	08/06/20	JLI	SW8260C
Carbon tetrachloride	ND	5.9	1.2	ug/Kg	1	08/06/20	JLI	SW8260C
Chlorobenzene	ND	5.9	0.59	ug/Kg	1	08/06/20	JLI	SW8260C
Chloroethane	ND	5.9	0.59	ug/Kg	1	08/06/20	JLI	SW8260C
Chloroform	ND	5.9	0.59	ug/Kg	1	08/06/20	JLI	SW8260C
Chloromethane	ND	5.9	1.2	ug/Kg	1	08/06/20	JLI	SW8260C
cis-1,2-Dichloroethene	ND	5.9	0.59	ug/Kg	1	08/06/20	JLI	SW8260C
cis-1,3-Dichloropropene	ND	5.9	0.59	ug/Kg	1	08/06/20	JLI	SW8260C
Dibromochloromethane	ND	5.9	1.2	ug/Kg	1	08/06/20	JLI	SW8260C
Dibromomethane	ND	5.9	1.2	ug/Kg	1	08/06/20	JLI	SW8260C
Dichlorodifluoromethane	ND	5.9	0.59	ug/Kg	1	08/06/20	JLI	SW8260C
Ethylbenzene	ND	5.9	0.59	ug/Kg	1	08/06/20	JLI	SW8260C
Hexachlorobutadiene	ND	5.9	0.59	ug/Kg	1	08/06/20	JLI	SW8260C
Isopropylbenzene	ND	5.9	0.59	ug/Kg	1	08/06/20	JLI	SW8260C
m&p-Xylene	ND	5.9	1.2	ug/Kg	1	08/06/20	JLI	SW8260C
Methyl Ethyl Ketone	ND	35	5.9	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	5.9	5.9	ug/Kg	1	08/06/20	JLI	SW8260C
Naphthalene	ND	5.9	1.2	ug/Kg	1	08/06/20	JLI	SW8260C
n-Butylbenzene	ND	5.9	0.59	ug/Kg	1	08/06/20	JLI	SW8260C
n-Propylbenzene	ND	5.9	1.2	ug/Kg	1	08/06/20	JLI	SW8260C
o-Xylene	ND	5.9	1.2	ug/Kg	1	08/06/20	JLI	SW8260C
p-Isopropyltoluene	ND	5.9	0.59	ug/Kg	1	08/06/20	JLI	SW8260C
sec-Butylbenzene	ND	5.9	0.59	ug/Kg	1	08/06/20	JLI	SW8260C
Styrene	ND	5.9	0.59	ug/Kg	1	08/06/20	JLI	SW8260C
tert-Butylbenzene	ND	5.9	0.59	ug/Kg	1	08/06/20	JLI	SW8260C
Tetrachloroethene	ND	5.9	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	5.9	0.59	ug/Kg	1	08/06/20	JLI	SW8260C
trans-1,2-Dichloroethene	ND	5.9	0.59	ug/Kg	1	08/06/20	JLI	SW8260C
trans-1,3-Dichloropropene	ND	5.9	0.59	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	5.9	0.59	ug/Kg	1	08/06/20	JLI	SW8260C
Trichlorofluoromethane	ND	5.9	1.2	ug/Kg	1	08/06/20	JLI	SW8260C
Trichlorotrifluoroethane	ND	5.9	0.59	ug/Kg	1	08/06/20	JLI	SW8260C
Vinyl chloride	ND	5.9	0.59	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	94			%	1	08/06/20	JLI	70 - 130 %

Ver 1

Project ID: 8 WESTCHESTER AVE, NEW ROCHELLE NY
Client ID: 8WB GRAB (14-16`)

Phoenix I.D.: CG47142

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	88		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	94			%	1	08/06/20	JLI	70 - 130 %	
% Toluene-d8	99			%	1	08/06/20	JLI	70 - 130 %	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	24		ug/Kg	1	08/06/20	JLI	SW8260C	
Acrolein	ND	1.4		ug/Kg	1	08/06/20	JLI	SW8260C	
Acrylonitrile	ND	24		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 13, 2020

Reviewed and Released by: Phyllis Shiller, Laboratory Director

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: 8WB COMP (0-2`)

Lab Name: Phoenix Environmental Labs Client: EBC

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCG4712

Matrix:(soil/water) SOIL Lab Sample ID: CG47126

Sample wt/vol: 15.15 (g/mL) g Lab File ID: 0804_28.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: 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-	2.063	410	JNA
000301-02-0	9-Octadecenamide, (Z)-	8.727	730	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: 8WB COMP (2-4`)

Lab Name: Phoenix Environmental Labs Client: EBC

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCG4712

Matrix:(soil/water) SOIL Lab Sample ID: CG47128

Sample wt/vol: 15.37 (g/mL) g Lab File ID: 0804_15.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-	2.057	490	JNA
000301-02-0	9-Octadecenamide, (Z)-	8.727	1000	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: 8WB COMP (4-6`)

Lab Name: Phoenix Environmental Labs Client: EBC

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCG4712

Matrix:(soil/water) SOIL Lab Sample ID: CG47130

Sample wt/vol: 15.26 (g/mL) g Lab File ID: 0804_29.D

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

% Moisture: not dec. 17 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-	2.063	460	JNA
000301-02-0	9-Octadecenamide, (Z)-	8.727	1700	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: 8WB COMP (6-8`)

Lab Name: Phoenix Environmental Labs Client: EBC

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCG4712

Matrix:(soil/water) SOIL Lab Sample ID: CG47132

Sample wt/vol: 15.07 (g/mL) g Lab File ID: 0804_30.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: 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	470	JNA
000080-05-7	Phenol, 4,4'-(1-methylethylidene)b	8.181	320	JN
000301-02-0	9-Octadecenamide, (Z)-	8.727	820	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: 8WB COMP (8-10`)

Lab Name: Phoenix Environmental Labs Client: EBC

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCG4712

Matrix:(soil/water) SOIL Lab Sample ID: CG47135

Sample wt/vol: 15.07 (g/mL) g Lab File ID: 0804_32.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-	2.057	670	JNA
000301-02-0	9-Octadecenamide, (Z)-	8.727	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.

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: 8WB COMP (10-12`)

Lab Name: Phoenix Environmental Labs Client: EBC

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCG4712

Matrix:(soil/water) SOIL Lab Sample ID: CG47137

Sample wt/vol: 15.33 (g/mL) g Lab File ID: 0804_33.D

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

% Moisture: not dec. 7 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-	2.057	770	JNA
000301-02-0	9-Octadecenamide, (Z)-	8.727	1900	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: 8WB COMP (12-14`)

Lab Name: Phoenix Environmental Labs Client: EBC

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCG4712

Matrix:(soil/water) SOIL Lab Sample ID: CG47139

Sample wt/vol: 15.41 (g/mL) g Lab File ID: 0804_34.D

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

% Moisture: not dec. 4 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-	2.057	12000	JNA
000301-02-0	9-Octadecenamide, (Z)-	8.727	2800	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: 8WB COMP (14-16`)

Lab Name: Phoenix Environmental Labs Client: EBC

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCG4712

Matrix:(soil/water) SOIL Lab Sample ID: CG47141

Sample wt/vol: 15.18 (g/mL) g Lab File ID: 0804_35.D

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

% Moisture: not dec. 4 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	7000	JNA
000080-05-7	Phenol, 4,4'-(1-methylethylidene)b	8.187	330	JN
000301-02-0	9-Octadecenamide, (Z)-	8.727	2700	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 13, 2020

QA/QC Data

SDG I.D.: GCG47126

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 540280 (mg/kg), QC Sample No: CG47114 40X (CG47126, CG47128, CG47130, CG47132)														
Chromium, Hexavalent - Soil														
Chromium, Hexavalent	BRL	0.40	<0.47	<0.47	NC	105						85 - 115	30	
Chromium, Hexavalent (Ins)						95.4						85 - 115	30	
Chromium, Hexavalent (Sol)						97.6			103			85 - 115	30	
QA/QC Batch 540473 (mg/kg), QC Sample No: CG47139 40X (CG47135, CG47137, CG47139, CG47141)														
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 (CG47126, CG47128, CG47130, CG47132, CG47135, CG47137, CG47139, CG47141)														
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 (CG47126, CG47128, CG47130, CG47132, CG47135, CG47137, CG47139, CG47141)														
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 540027 (mg/kg), QC Sample No: CG47114 (CG47126, CG47128, CG47130)														
ICP Metals - Soil														
Aluminum	BRL	5.0	17900	17400	2.80	110	104	5.6	NC			75 - 125	35	
Antimony	BRL	3.3	<3.8	<4.1	NC	110	107	2.8	88.0			75 - 125	35	
Arsenic	BRL	0.67	3.62	2.85	NC	110	103	6.6	94.1			75 - 125	35	
Barium	BRL	0.33	124	90.9	30.8	111	106	4.6	102			75 - 125	35	
Beryllium	BRL	0.27	0.58	0.52	NC	103	98.0	5.0	99.9			75 - 125	35	
Cadmium	BRL	0.33	1.07	0.98	NC	102	98.2	3.8	99.4			75 - 125	35	
Calcium	BRL	5.0	3130	2870	8.70	106	99.5	6.3	NC			75 - 125	35	
Chromium	BRL	0.33	34.5	31.0	10.7	105	99.1	5.8	96.9			75 - 125	35	
Cobalt	BRL	0.33	11.2	10.4	7.40	103	99.3	3.7	98.0			75 - 125	35	
Copper	BRL	0.67	34.0	22.0	42.9	103	98.1	4.9	93.4			75 - 125	35	r
Iron	BRL	5.0	26500	23200	13.3	88.1	81.1	8.3	NC			75 - 125	35	
Lead	BRL	0.33	175	58.8	99.4	107	101	5.8	66.2			75 - 125	35	m,r
Magnesium	BRL	5.0	4780	4260	11.5	113	107	5.5	NC			75 - 125	35	
Manganese	BRL	0.33	496	379	26.7	100	100	0.0	111			75 - 125	35	
Molybdenum	BRL	0.33	0.58	<0.41	NC	108	105	2.8	93.5			75 - 125	35	
Nickel	BRL	0.33	26.3	24.3	7.90	103	99.1	3.9	100			75 - 125	35	
Potassium	BRL	5.0	2870	2270	23.3	119	113	5.2	>130			75 - 125	35	m
Selenium	BRL	1.3	<1.5	<1.6	NC	106	103	2.9	97.3			75 - 125	35	
Silver	BRL	0.33	<0.38	<0.41	NC	103	97.8	5.2	96.5			75 - 125	35	
Sodium	BRL	5.0	256	235	8.60	102	125	20.3	99.9			75 - 125	35	

QA/QC Data

SDG I.D.: GCG47126

Parameter	Blank	Blk RL	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Thallium	BRL	3.0	<1.5	<3.7	NC	106	103	2.9	95.1			75 - 125	35	
Vanadium	BRL	0.33	41.0	37.3	9.50	109	104	4.7	96.7			75 - 125	35	
Zinc	BRL	0.67	107	61.3	54.3	107	102	4.8	79.6			75 - 125	35	r
Comment:														
Additional Criteria: LCS acceptance range is 80-120% MS acceptance range 75-125%.														
QA/QC Batch 540028 (mg/kg), QC Sample No: CG47132 (CG47132, CG47135, CG47137, CG47139, CG47141)														
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	BRL	13	31400	26000	18.8	79.1	79.6	0.6	NC			75 - 125	35	
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	BRL	5.1	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	BRL	5.9	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 (CG47126, CG47128, CG47130, CG47132, CG47135, CG47137, CG47139, CG47141)														
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.
r = This parameter is outside laboratory RPD specified recovery limits.

Environmental Laboratories, Inc.
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NY # 11301

QA/QC Report

August 13, 2020

QA/QC Data

SDG I.D.: GCG47126

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 (CG47135, CG47137, CG47139, CG47141)														
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 540075 (mg/Kg), QC Sample No: CG47111 50X (CG47126, CG47128, CG47130, CG47132)														
Total Cyanide (SW9010C Distill.)	BRL	0.50	<0.60	<0.60	NC	90.3			108			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 (CG47126, CG47128, CG47130, CG47132, CG47135, CG47137, CG47139, CG47141)														
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 540167 (Degree F), QC Sample No: CG44690 (CG47126, CG47128)														
Flash Point			>200	>200	NC	97.4						75 - 125	30	
Comment:														
Additional criteria matrix spike acceptance range is 75-125%.														
QA/QC Batch 540365 (Degree F), QC Sample No: CG46130 (CG47130, CG47132, CG47135, CG47137, CG47139, CG47141)														
Flash Point			165	160	NC	103						75 - 125	30	
Comment:														
Additional criteria matrix spike acceptance range is 75-125%.														
QA/QC Batch 540093 (PH), QC Sample No: CG47121 (CG47126, CG47128, CG47130, CG47132, CG47135, CG47137, CG47139, CG47141)														
pH at 25C - Soil			8.37	8.36	0.10	101						85 - 115	20	

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 13, 2020

QA/QC Data

SDG I.D.: GCG47126

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 (CG47128, CG47130, CG47132, CG47135, CG47137, CG47139, CG47141)										
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 540371 (mg/kg), QC Sample No: CG49222 (CG47126)										
Extractable Petroleum Hydrocarbons - Soil										
Total EPH (C9-C40)	ND	10	63	62	1.6	65			40 - 140	30
C9 - Nonane	ND	3.3	50	49	2.0	54			40 - 140	30
C10 - Decane	ND	3.3	43	44	2.3	47			40 - 140	30
C12 - Dodecane	ND	3.3	51	52	1.9	54			40 - 140	30
C14 - Tetradecane	ND	3.3	57	58	1.7	59			40 - 140	30
C16 - Hexadecane	ND	3.3	58	59	1.7	62			40 - 140	30
C18 - Octadecane	ND	3.3	60	61	1.7	64			40 - 140	30
C20 - Eicosane	ND	3.3	60	61	1.7	63			40 - 140	30
C21 - Heneicosane	ND	3.3	53	52	1.9	55			40 - 140	30
C22 - Docosane	ND	3.3	60	60	0.0	61			40 - 140	30
C24 - Tetracosane	ND	3.3	53	55	3.7	54			40 - 140	30
C26 - Hexacosane	ND	3.3	54	53	1.9	55			40 - 140	30
C28 - Octacosane	ND	3.3	56	55	1.8	59			40 - 140	30
C30 - Tricotane	ND	3.3	55	55	0.0	57			40 - 140	30
C32 - Dotriacontance	ND	3.3	55	54	1.8	56			40 - 140	30

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
C34 - Tetratriacontane	ND	3.3	57	55	3.6	58			40 - 140	30
C36 - Hexatriacontane	ND	3.3	57	55	3.6	59			40 - 140	30
C38 - Octatriacontane	ND	3.3	53	49	7.8	56			40 - 140	30
C40 - Tetracontane	ND	3.3	57	54	5.4	57			40 - 140	30
% Terphenyl (surr)	58	%	58	58	0.0	59			40 - 140	30
% COD (surr)	52	%	68	72	5.7	69			40 - 140	30

Comment:

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

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

QA/QC Batch 540011 (ug/Kg), QC Sample No: CG47135 10X (CG47126, CG47128, CG47130, CG47132, CG47135, CG47137, CG47139, CG47141)

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 540024 (ug/Kg), QC Sample No: CG47141 2X (CG47126, CG47128, CG47130, CG47132, CG47135, CG47137, CG47139, CG47141)

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
% 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 540026 (ug/Kg), QC Sample No: CG47141 2X (CG47126, CG47128, CG47130, CG47132, CG47135, CG47137, CG47139, CG47141)

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

QA/QC Data

SDG I.D.: GCG47126

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

QA/QC Batch 540037 (ug/kg), QC Sample No: CG47128 (CG47126, CG47128, CG47130, CG47132, CG47134, CG47135, CG47137, CG47139, CG47141)

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
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

QA/QC Data

SDG I.D.: GCG47126

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

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
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 540346 (ug/kg), QC Sample No: CG47112 (CG47127, CG47136, CG47138, CG47140)											
Volatiles - Soil (Low Level)											
1,1,1,2-Tetrachloroethane	ND	5.0	102	105	2.9	83			70 - 130	30	
1,1,1-Trichloroethane	ND	5.0	102	105	2.9	78			70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	3.0	106	110	3.7	83			70 - 130	30	
1,1,2-Trichloroethane	ND	5.0	101	102	1.0	82			70 - 130	30	
1,1-Dichloroethane	ND	5.0	102	106	3.8	79			70 - 130	30	
1,1-Dichloroethene	ND	5.0	112	118	5.2	85			70 - 130	30	
1,1-Dichloropropene	ND	5.0	107	108	0.9	86			70 - 130	30	
1,2,3-Trichlorobenzene	ND	5.0	114	110	3.6	70			70 - 130	30	
1,2,3-Trichloropropane	ND	5.0	100	106	5.8	83			70 - 130	30	
1,2,4-Trichlorobenzene	ND	5.0	117	112	4.4	69			70 - 130	30	m
1,2,4-Trimethylbenzene	ND	1.0	104	104	0.0	79			70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	5.0	106	110	3.7	77			70 - 130	30	
1,2-Dibromoethane	ND	5.0	99	104	4.9	80			70 - 130	30	
1,2-Dichlorobenzene	ND	5.0	104	105	1.0	77			70 - 130	30	
1,2-Dichloroethane	ND	5.0	100	103	3.0	82			70 - 130	30	
1,2-Dichloropropane	ND	5.0	99	103	4.0	85			70 - 130	30	
1,3,5-Trimethylbenzene	ND	1.0	104	104	0.0	80			70 - 130	30	
1,3-Dichlorobenzene	ND	5.0	107	106	0.9	76			70 - 130	30	
1,3-Dichloropropane	ND	5.0	101	105	3.9	84			70 - 130	30	
1,4-Dichlorobenzene	ND	5.0	104	104	0.0	74			70 - 130	30	
1,4-dioxane	ND	100	109	110	0.9	87			70 - 130	30	
2,2-Dichloropropane	ND	5.0	108	111	2.7	77			70 - 130	30	
2-Chlorotoluene	ND	5.0	106	106	0.0	81			70 - 130	30	
2-Hexanone	ND	25	104	108	3.8	85			70 - 130	30	
2-Isopropyltoluene	ND	5.0	106	107	0.9	83			70 - 130	30	
4-Chlorotoluene	ND	5.0	106	105	0.9	78			70 - 130	30	
4-Methyl-2-pentanone	ND	25	101	107	5.8	85			70 - 130	30	
Acetone	ND	10	126	127	0.8	111			70 - 130	30	
Acrolein	ND	25	88	93	5.5	52			70 - 130	30	m
Acrylonitrile	ND	5.0	98	109	10.6	76			70 - 130	30	
Benzene	ND	1.0	103	106	2.9	86			70 - 130	30	
Bromobenzene	ND	5.0	103	105	1.9	79			70 - 130	30	
Bromochloromethane	ND	5.0	101	103	2.0	79			70 - 130	30	
Bromodichloromethane	ND	5.0	102	104	1.9	80			70 - 130	30	
Bromoform	ND	5.0	104	107	2.8	74			70 - 130	30	
Bromomethane	ND	5.0	111	118	6.1	81			70 - 130	30	
Carbon Disulfide	ND	5.0	117	120	2.5	81			70 - 130	30	
Carbon tetrachloride	ND	5.0	108	110	1.8	76			70 - 130	30	
Chlorobenzene	ND	5.0	102	105	2.9	82			70 - 130	30	
Chloroethane	ND	5.0	108	115	6.3	84			70 - 130	30	
Chloroform	ND	5.0	100	103	3.0	77			70 - 130	30	
Chloromethane	ND	5.0	107	111	3.7	80			70 - 130	30	
cis-1,2-Dichloroethene	ND	5.0	100	91	9.4	82			70 - 130	30	
cis-1,3-Dichloropropene	ND	5.0	102	105	2.9	79			70 - 130	30	
Dibromochloromethane	ND	3.0	108	110	1.8	84			70 - 130	30	
Dibromomethane	ND	5.0	99	101	2.0	80			70 - 130	30	
Dichlorodifluoromethane	ND	5.0	131	134	2.3	94			70 - 130	30	l

QA/QC Data

SDG I.D.: GCG47126

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Ethylbenzene	ND	1.0	105	105	0.0	84			70 - 130	30	
Hexachlorobutadiene	ND	5.0	119	112	6.1	73			70 - 130	30	
Isopropylbenzene	ND	1.0	105	108	2.8	84			70 - 130	30	
m&p-Xylene	ND	2.0	103	105	1.9	84			70 - 130	30	
Methyl ethyl ketone	ND	5.0	112	114	1.8	86			70 - 130	30	
Methyl t-butyl ether (MTBE)	ND	1.0	95	99	4.1	74			70 - 130	30	
Methylene chloride	ND	5.0	93	95	2.1	73			70 - 130	30	
Naphthalene	ND	5.0	113	116	2.6	73			70 - 130	30	
n-Butylbenzene	ND	1.0	113	107	5.5	79			70 - 130	30	
n-Propylbenzene	ND	1.0	108	107	0.9	82			70 - 130	30	
o-Xylene	ND	2.0	104	105	1.0	84			70 - 130	30	
p-Isopropyltoluene	ND	1.0	110	107	2.8	82			70 - 130	30	
sec-Butylbenzene	ND	1.0	114	113	0.9	87			70 - 130	30	
Styrene	ND	5.0	102	104	1.9	80			70 - 130	30	
tert-butyl alcohol	ND	100	106	102	3.8	77			70 - 130	30	
tert-Butylbenzene	ND	1.0	105	106	0.9	83			70 - 130	30	
Tetrachloroethene	ND	5.0	108	106	1.9	86			70 - 130	30	
Tetrahydrofuran (THF)	ND	5.0	100	107	6.8	81			70 - 130	30	
Toluene	ND	1.0	105	107	1.9	85			70 - 130	30	
trans-1,2-Dichloroethene	ND	5.0	116	119	2.6	86			70 - 130	30	
trans-1,3-Dichloropropene	ND	5.0	103	104	1.0	77			70 - 130	30	
trans-1,4-dichloro-2-butene	ND	5.0	119	126	5.7	81			70 - 130	30	
Trichloroethene	ND	5.0	105	107	1.9	86			70 - 130	30	
Trichlorofluoromethane	ND	5.0	121	121	0.0	87			70 - 130	30	
Trichlorotrifluoroethane	ND	5.0	114	110	3.6	82			70 - 130	30	
Vinyl chloride	ND	5.0	124	126	1.6	92			70 - 130	30	
% 1,2-dichlorobenzene-d4	100	%	100	101	1.0	99			70 - 130	30	
% Bromofluorobenzene	98	%	99	99	0.0	99			70 - 130	30	
% Dibromofluoromethane	98	%	100	101	1.0	90			70 - 130	30	
% Toluene-d8	99	%	100	100	0.0	100			70 - 130	30	

Comment:

The MSD is not reported for this LL soil 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 540513 (ug/kg), QC Sample No: CG47561 (CG47129)

Volatiles - Soil (Low Level)

1,1,1,2-Tetrachloroethane	ND	5.0	95	91	4.3	108	92	16.0	70 - 130	30	
1,1,1-Trichloroethane	ND	5.0	88	84	4.7	114	89	24.6	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	3.0	101	94	7.2	136	115	16.7	70 - 130	30	m
1,1,2-Trichloroethane	ND	5.0	96	90	6.5	102	93	9.2	70 - 130	30	
1,1-Dichloroethane	ND	5.0	92	89	3.3	118	97	19.5	70 - 130	30	
1,1-Dichloroethene	ND	5.0	99	97	2.0	132	98	29.6	70 - 130	30	m
1,1-Dichloropropene	ND	5.0	102	95	7.1	128	99	25.6	70 - 130	30	
1,2,3-Trichlorobenzene	ND	5.0	100	96	4.1	48	43	11.0	70 - 130	30	m
1,2,3-Trichloropropane	ND	5.0	104	96	8.0	147	122	18.6	70 - 130	30	m
1,2,4-Trichlorobenzene	ND	5.0	101	96	5.1	54	48	11.8	70 - 130	30	m
1,2,4-Trimethylbenzene	ND	1.0	96	91	5.3	121	93	26.2	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	5.0	92	86	6.7	103	86	18.0	70 - 130	30	
1,2-Dibromoethane	ND	5.0	97	92	5.3	105	91	14.3	70 - 130	30	
1,2-Dichlorobenzene	ND	5.0	97	92	5.3	96	83	14.5	70 - 130	30	
1,2-Dichloroethane	ND	5.0	96	90	6.5	104	95	9.0	70 - 130	30	
1,2-Dichloropropane	ND	5.0	100	93	7.3	116	100	14.8	70 - 130	30	

QA/QC Data

SDG I.D.: GCG47126

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
1,3,5-Trimethylbenzene	ND	1.0	96	92	4.3	131	97	29.8	70 - 130	30	m
1,3-Dichlorobenzene	ND	5.0	98	93	5.2	102	85	18.2	70 - 130	30	
1,3-Dichloropropane	ND	5.0	100	95	5.1	115	100	14.0	70 - 130	30	
1,4-Dichlorobenzene	ND	5.0	97	92	5.3	99	83	17.6	70 - 130	30	
1,4-dioxane	ND	100	128	116	9.8	144	125	14.1	70 - 130	30	m
2,2-Dichloropropane	ND	5.0	93	87	6.7	111	80	32.5	70 - 130	30	r
2-Chlorotoluene	ND	5.0	98	95	3.1	130	104	22.2	70 - 130	30	
2-Hexanone	ND	25	98	94	4.2	106	92	14.1	70 - 130	30	
2-Isopropyltoluene	ND	5.0	100	94	6.2	124	92	29.6	70 - 130	30	
4-Chlorotoluene	ND	5.0	97	93	4.2	121	96	23.0	70 - 130	30	
4-Methyl-2-pentanone	ND	25	102	95	7.1	104	88	16.7	70 - 130	30	
Acetone	ND	10	93	87	6.7	171	155	9.8	70 - 130	30	m
Acrolein	ND	25	79	76	3.9	107	88	19.5	70 - 130	30	
Acrylonitrile	ND	5.0	95	89	6.5	96	76	23.3	70 - 130	30	
Benzene	ND	1.0	100	94	6.2	121	101	18.0	70 - 130	30	
Bromobenzene	ND	5.0	96	91	5.3	119	100	17.4	70 - 130	30	
Bromochloromethane	ND	5.0	93	90	3.3	106	94	12.0	70 - 130	30	
Bromodichloromethane	ND	5.0	94	87	7.7	101	89	12.6	70 - 130	30	
Bromoform	ND	5.0	90	84	6.9	83	76	8.8	70 - 130	30	
Bromomethane	ND	5.0	103	96	7.0	111	80	32.5	70 - 130	30	r
Carbon Disulfide	ND	5.0	101	97	4.0	120	91	27.5	70 - 130	30	
Carbon tetrachloride	ND	5.0	88	84	4.7	110	83	28.0	70 - 130	30	
Chlorobenzene	ND	5.0	100	95	5.1	113	93	19.4	70 - 130	30	
Chloroethane	ND	5.0	100	96	4.1	127	101	22.8	70 - 130	30	
Chloroform	ND	5.0	88	85	3.5	109	90	19.1	70 - 130	30	
Chloromethane	ND	5.0	99	97	2.0	117	95	20.8	70 - 130	30	
cis-1,2-Dichloroethene	ND	5.0	90	76	16.9	113	92	20.5	70 - 130	30	
cis-1,3-Dichloropropene	ND	5.0	94	89	5.5	92	81	12.7	70 - 130	30	
Dibromochloromethane	ND	3.0	99	93	6.3	106	94	12.0	70 - 130	30	
Dibromomethane	ND	5.0	95	90	5.4	100	93	7.3	70 - 130	30	
Dichlorodifluoromethane	ND	5.0	128	119	7.3	138	102	30.0	70 - 130	30	m
Ethylbenzene	ND	1.0	101	96	5.1	124	96	25.5	70 - 130	30	
Hexachlorobutadiene	ND	5.0	105	98	6.9	72	51	34.1	70 - 130	30	m,r
Isopropylbenzene	ND	1.0	102	95	7.1	152	112	30.3	70 - 130	30	m
m&p-Xylene	ND	2.0	101	96	5.1	119	94	23.5	70 - 130	30	
Methyl ethyl ketone	ND	5.0	95	88	7.7	133	115	14.5	70 - 130	30	m
Methyl t-butyl ether (MTBE)	ND	1.0	85	81	4.8	101	90	11.5	70 - 130	30	
Methylene chloride	ND	5.0	84	80	4.9	100	87	13.9	70 - 130	30	
Naphthalene	ND	5.0	103	98	5.0	63	56	11.8	70 - 130	30	m
n-Butylbenzene	ND	1.0	103	96	7.0	111	80	32.5	70 - 130	30	r
n-Propylbenzene	ND	1.0	100	96	4.1	142	104	30.9	70 - 130	30	m,r
o-Xylene	ND	2.0	100	94	6.2	115	93	21.2	70 - 130	30	
p-Isopropyltoluene	ND	1.0	102	96	6.1	125	90	32.6	70 - 130	30	r
sec-Butylbenzene	ND	1.0	107	101	5.8	138	98	33.9	70 - 130	30	m,r
Styrene	ND	5.0	98	94	4.2	99	84	16.4	70 - 130	30	
tert-butyl alcohol	ND	100	103	96	7.0	117	106	9.9	70 - 130	30	
tert-Butylbenzene	ND	1.0	99	94	5.2	137	99	32.2	70 - 130	30	m,r
Tetrachloroethene	ND	5.0	105	96	9.0	118	92	24.8	70 - 130	30	
Tetrahydrofuran (THF)	ND	5.0	97	94	3.1	125	101	21.2	70 - 130	30	
Toluene	ND	1.0	100	95	5.1	116	95	19.9	70 - 130	30	
trans-1,2-Dichloroethene	ND	5.0	103	97	6.0	126	100	23.0	70 - 130	30	
trans-1,3-Dichloropropene	ND	5.0	94	88	6.6	84	76	10.0	70 - 130	30	
trans-1,4-dichloro-2-butene	ND	5.0	103	97	6.0	108	90	18.2	70 - 130	30	

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Trichloroethene	ND	5.0	101	95	6.1	122	100	19.8	70 - 130	30	
Trichlorofluoromethane	ND	5.0	103	98	5.0	135	100	29.8	70 - 130	30	m
Trichlorotrifluoroethane	ND	5.0	99	92	7.3	133	95	33.3	70 - 130	30	m,r
Vinyl chloride	ND	5.0	116	111	4.4	148	112	27.7	70 - 130	30	m
% 1,2-dichlorobenzene-d4	100	%	100	100	0.0	98	99	1.0	70 - 130	30	
% Bromofluorobenzene	98	%	100	99	1.0	89	91	2.2	70 - 130	30	
% Dibromofluoromethane	94	%	92	92	0.0	94	91	3.2	70 - 130	30	
% Toluene-d8	100	%	101	99	2.0	97	100	3.0	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.

QA/QC Batch 540332 (ug/kg), QC Sample No: CG47912 (CG47133, CG47142)

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	
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	l
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	

QA/QC Data

SDG I.D.: GCG47126

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
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
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 540332H (ug/kg), QC Sample No: CG47912 50X (CG47134 (1000X))

Volatiles - Soil (High Level)

1,1,1,2-Tetrachloroethane	ND	250	95	96	1.0	93	94	1.1	70 - 130	30
1,1,1-Trichloroethane	ND	250	89	88	1.1	90	91	1.1	70 - 130	30
1,1,2,2-Tetrachloroethane	ND	250	102	104	1.9	101	101	0.0	70 - 130	30
1,1,2-Trichloroethane	ND	250	94	97	3.1	95	94	1.1	70 - 130	30
1,1-Dichloroethane	ND	250	91	92	1.1	93	94	1.1	70 - 130	30
1,1-Dichloroethene	ND	250	93	94	1.1	89	99	10.6	70 - 130	30
1,1-Dichloropropene	ND	250	104	105	1.0	106	107	0.9	70 - 130	30
1,2,3-Trichlorobenzene	ND	250	104	105	1.0	101	104	2.9	70 - 130	30

QA/QC Data

SDG I.D.: GCG47126

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
1,2,3-Trichloropropane	ND	250	100	99	1.0	101	102	1.0	70 - 130	30	
1,2,4-Trichlorobenzene	ND	250	106	107	0.9	103	105	1.9	70 - 130	30	
1,2,4-Trimethylbenzene	ND	250	98	98	0.0	96	98	2.1	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	250	98	96	2.1	92	95	3.2	70 - 130	30	
1,2-Dibromoethane	ND	250	96	99	3.1	98	96	2.1	70 - 130	30	
1,2-Dichlorobenzene	ND	250	100	101	1.0	98	99	1.0	70 - 130	30	
1,2-Dichloroethane	ND	250	95	97	2.1	96	96	0.0	70 - 130	30	
1,2-Dichloropropane	ND	250	99	101	2.0	98	100	2.0	70 - 130	30	
1,3,5-Trimethylbenzene	ND	250	99	99	0.0	97	100	3.0	70 - 130	30	
1,3-Dichlorobenzene	ND	250	101	101	0.0	98	100	2.0	70 - 130	30	
1,3-Dichloropropane	ND	250	99	102	3.0	101	102	1.0	70 - 130	30	
1,4-Dichlorobenzene	ND	250	100	101	1.0	97	99	2.0	70 - 130	30	
1,4-dioxane	ND	5000	111	120	7.8	109	107	1.9	70 - 130	30	
2,2-Dichloropropane	ND	250	91	92	1.1	88	89	1.1	70 - 130	30	
2-Chlorotoluene	ND	250	101	101	0.0	99	101	2.0	70 - 130	30	
2-Hexanone	ND	1300	92	97	5.3	97	97	0.0	70 - 130	30	
2-Isopropyltoluene	ND	250	103	103	0.0	101	103	2.0	70 - 130	30	
4-Chlorotoluene	ND	250	100	98	2.0	99	100	1.0	70 - 130	30	
4-Methyl-2-pentanone	ND	1300	96	100	4.1	103	98	5.0	70 - 130	30	
Acetone	ND	500	74	75	1.3	80	78	2.5	70 - 130	30	
Acrolein	ND	1300	73	73	0.0	77	76	1.3	70 - 130	30	
Acrylonitrile	ND	250	88	94	6.6	93	91	2.2	70 - 130	30	
Benzene	ND	250	101	103	2.0	102	103	1.0	70 - 130	30	
Bromobenzene	ND	250	97	98	1.0	95	96	1.0	70 - 130	30	
Bromochloromethane	ND	250	89	93	4.4	90	93	3.3	70 - 130	30	
Bromodichloromethane	ND	250	91	94	3.2	88	89	1.1	70 - 130	30	
Bromoform	ND	250	86	88	2.3	78	79	1.3	70 - 130	30	
Bromomethane	ND	250	72	74	2.7	67	75	11.3	70 - 130	30	m
Carbon Disulfide	ND	250	94	94	0.0	86	94	8.9	70 - 130	30	
Carbon tetrachloride	ND	250	88	88	0.0	84	87	3.5	70 - 130	30	
Chlorobenzene	ND	250	100	102	2.0	104	103	1.0	70 - 130	30	
Chloroethane	ND	250	39	39	0.0	39	39	0.0	70 - 130	30	l,m
Chloroform	ND	250	87	88	1.1	88	84	4.7	70 - 130	30	
Chloromethane	ND	250	98	97	1.0	97	98	1.0	70 - 130	30	
cis-1,2-Dichloroethene	ND	250	77	81	5.1	79	79	0.0	70 - 130	30	
cis-1,3-Dichloropropene	ND	250	95	95	0.0	90	91	1.1	70 - 130	30	
Dibromochloromethane	ND	150	96	98	2.1	90	92	2.2	70 - 130	30	
Dibromomethane	ND	250	93	95	2.1	94	94	0.0	70 - 130	30	
Dichlorodifluoromethane	ND	250	110	109	0.9	107	109	1.9	70 - 130	30	
Ethylbenzene	ND	250	102	103	1.0	105	106	0.9	70 - 130	30	
Hexachlorobutadiene	ND	250	115	114	0.9	112	116	3.5	70 - 130	30	
Isopropylbenzene	ND	250	104	103	1.0	103	106	2.9	70 - 130	30	
m&p-Xylene	ND	250	103	105	1.9	105	106	0.9	70 - 130	30	
Methyl ethyl ketone	ND	250	91	94	3.2	100	89	11.6	70 - 130	30	
Methyl t-butyl ether (MTBE)	ND	250	82	85	3.6	83	84	1.2	70 - 130	30	
Methylene chloride	ND	250	81	82	1.2	82	83	1.2	70 - 130	30	
Naphthalene	ND	250	105	107	1.9	106	107	0.9	70 - 130	30	
n-Butylbenzene	ND	250	107	107	0.0	107	109	1.9	70 - 130	30	
n-Propylbenzene	ND	250	105	104	1.0	104	107	2.8	70 - 130	30	
o-Xylene	ND	250	101	104	2.9	104	104	0.0	70 - 130	30	
p-Isopropyltoluene	ND	250	105	104	1.0	104	107	2.8	70 - 130	30	
sec-Butylbenzene	ND	250	112	111	0.9	110	114	3.6	70 - 130	30	
Styrene	ND	250	99	101	2.0	101	101	0.0	70 - 130	30	

QA/QC Data

SDG I.D.: GCG47126

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
tert-butyl alcohol	ND	5000	96	101	5.1	91	92	1.1	70 - 130	30	
tert-Butylbenzene	ND	250	102	101	1.0	101	103	2.0	70 - 130	30	
Tetrachloroethene	ND	250	107	108	0.9	105	108	2.8	70 - 130	30	
Tetrahydrofuran (THF)	ND	250	92	96	4.3	102	98	4.0	70 - 130	30	
Toluene	ND	250	102	103	1.0	102	103	1.0	70 - 130	30	
trans-1,2-Dichloroethene	ND	250	100	101	1.0	103	105	1.9	70 - 130	30	
trans-1,3-Dichloropropene	ND	250	92	92	0.0	87	88	1.1	70 - 130	30	
trans-1,4-dichloro-2-butene	ND	250	103	104	1.0	92	93	1.1	70 - 130	30	
Trichloroethene	ND	250	105	105	0.0	104	104	0.0	70 - 130	30	
Trichlorofluoromethane	ND	250	29	28	3.5	30	29	3.4	70 - 130	30	l,m
Trichlorotrifluoroethane	ND	250	95	98	3.1	93	97	4.2	70 - 130	30	
Vinyl chloride	ND	250	120	120	0.0	121	125	3.3	70 - 130	30	
% 1,2-dichlorobenzene-d4	101	%	101	101	0.0	100	100	0.0	70 - 130	30	
% Bromofluorobenzene	97	%	99	100	1.0	101	99	2.0	70 - 130	30	
% Dibromofluoromethane	89	%	91	90	1.1	92	91	1.1	70 - 130	30	
% Toluene-d8	99	%	101	101	0.0	100	99	1.0	70 - 130	30	

Comment:

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

QA/QC Batch 540720 (ug/kg), QC Sample No: CG48692 (CG47131)

Volatiles - Soil (Low Level)

1,1,1,2-Tetrachloroethane	ND	5.0	86	90	4.5	86			70 - 130	30	
1,1,1-Trichloroethane	ND	5.0	78	84	7.4	83			70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	3.0	91	96	5.3	86			70 - 130	30	
1,1,2-Trichloroethane	ND	5.0	87	92	5.6	86			70 - 130	30	
1,1-Dichloroethane	ND	5.0	87	93	6.7	88			70 - 130	30	
1,1-Dichloroethene	ND	5.0	93	101	8.2	97			70 - 130	30	
1,1-Dichloropropene	ND	5.0	92	99	7.3	95			70 - 130	30	
1,2,3-Trichlorobenzene	ND	5.0	86	93	7.8	74			70 - 130	30	
1,2,3-Trichloropropane	ND	5.0	89	93	4.4	89			70 - 130	30	
1,2,4-Trichlorobenzene	ND	5.0	87	94	7.7	72			70 - 130	30	
1,2,4-Trimethylbenzene	ND	1.0	84	89	5.8	84			70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	5.0	81	88	8.3	71			70 - 130	30	
1,2-Dibromoethane	ND	5.0	87	93	6.7	82			70 - 130	30	
1,2-Dichlorobenzene	ND	5.0	87	91	4.5	81			70 - 130	30	
1,2-Dichloroethane	ND	5.0	89	94	5.5	86			70 - 130	30	
1,2-Dichloropropane	ND	5.0	92	98	6.3	93			70 - 130	30	
1,3,5-Trimethylbenzene	ND	1.0	84	89	5.8	87			70 - 130	30	
1,3-Dichlorobenzene	ND	5.0	87	91	4.5	81			70 - 130	30	
1,3-Dichloropropane	ND	5.0	94	98	4.2	89			70 - 130	30	
1,4-Dichlorobenzene	ND	5.0	86	91	5.6	78			70 - 130	30	
1,4-dioxane	ND	100	109	113	3.6	114			70 - 130	30	
2,2-Dichloropropane	ND	5.0	78	86	9.8	79			70 - 130	30	
2-Chlorotoluene	ND	5.0	87	92	5.6	89			70 - 130	30	
2-Hexanone	ND	25	97	104	7.0	85			70 - 130	30	
2-Isopropyltoluene	ND	5.0	91	97	6.4	90			70 - 130	30	
4-Chlorotoluene	ND	5.0	88	91	3.4	83			70 - 130	30	
4-Methyl-2-pentanone	ND	25	102	109	6.6	89			70 - 130	30	
Acetone	ND	10	89	93	4.4	74			70 - 130	30	
Acrolein	ND	25	80	86	7.2	55			70 - 130	30	m
Acrylonitrile	ND	5.0	96	101	5.1	77			70 - 130	30	
Benzene	ND	1.0	91	97	6.4	94			70 - 130	30	

QA/QC Data

SDG I.D.: GCG47126

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Bromobenzene	ND	5.0	86	91	5.6	82			70 - 130	30	
Bromochloromethane	ND	5.0	86	91	5.6	85			70 - 130	30	
Bromodichloromethane	ND	5.0	84	90	6.9	84			70 - 130	30	
Bromoform	ND	5.0	80	83	3.7	72			70 - 130	30	
Bromomethane	ND	5.0	92	99	7.3	96			70 - 130	30	
Carbon Disulfide	ND	5.0	99	105	5.9	92			70 - 130	30	
Carbon tetrachloride	ND	5.0	79	84	6.1	81			70 - 130	30	
Chlorobenzene	ND	5.0	92	97	5.3	90			70 - 130	30	
Chloroethane	ND	5.0	94	100	6.2	95			70 - 130	30	
Chloroform	ND	5.0	81	87	7.1	83			70 - 130	30	
Chloromethane	ND	5.0	91	98	7.4	90			70 - 130	30	
cis-1,2-Dichloroethene	ND	5.0	74	78	5.3	86			70 - 130	30	
cis-1,3-Dichloropropene	ND	5.0	85	90	5.7	80			70 - 130	30	
Dibromochloromethane	ND	3.0	89	95	6.5	83			70 - 130	30	
Dibromomethane	ND	5.0	89	94	5.5	83			70 - 130	30	
Dichlorodifluoromethane	ND	5.0	107	116	8.1	107			70 - 130	30	
Ethylbenzene	ND	1.0	93	97	4.2	93			70 - 130	30	
Hexachlorobutadiene	ND	5.0	85	93	9.0	89			70 - 130	30	
Isopropylbenzene	ND	1.0	89	95	6.5	93			70 - 130	30	
m&p-Xylene	ND	2.0	91	97	6.4	93			70 - 130	30	
Methyl ethyl ketone	ND	5.0	98	101	3.0	86			70 - 130	30	
Methyl t-butyl ether (MTBE)	ND	1.0	89	94	5.5	76			70 - 130	30	
Methylene chloride	ND	5.0	78	84	7.4	78			70 - 130	30	
Naphthalene	ND	5.0	90	96	6.5	76			70 - 130	30	
n-Butylbenzene	ND	1.0	90	96	6.5	89			70 - 130	30	
n-Propylbenzene	ND	1.0	88	93	5.5	91			70 - 130	30	
o-Xylene	ND	2.0	90	96	6.5	91			70 - 130	30	
p-Isopropyltoluene	ND	1.0	88	93	5.5	91			70 - 130	30	
sec-Butylbenzene	ND	1.0	94	99	5.2	98			70 - 130	30	
Styrene	ND	5.0	89	94	5.5	85			70 - 130	30	
tert-butyl alcohol	ND	100	90	91	1.1	90			70 - 130	30	
tert-Butylbenzene	ND	1.0	86	91	5.6	91			70 - 130	30	
Tetrachloroethene	ND	5.0	91	98	7.4	97			70 - 130	30	
Tetrahydrofuran (THF)	ND	5.0	99	104	4.9	87			70 - 130	30	
Toluene	ND	1.0	90	96	6.5	93			70 - 130	30	
trans-1,2-Dichloroethene	ND	5.0	96	102	6.1	95			70 - 130	30	
trans-1,3-Dichloropropene	ND	5.0	84	87	3.5	73			70 - 130	30	
trans-1,4-dichloro-2-butene	ND	5.0	97	100	3.0	69			70 - 130	30	m
Trichloroethene	ND	5.0	93	99	6.3	95			70 - 130	30	
Trichlorofluoromethane	ND	5.0	93	101	8.2	96			70 - 130	30	
Trichlorotrifluoroethane	ND	5.0	93	101	8.2	94			70 - 130	30	
Vinyl chloride	ND	5.0	108	114	5.4	107			70 - 130	30	
% 1,2-dichlorobenzene-d4	100	%	100	100	0.0	100			70 - 130	30	
% Bromofluorobenzene	98	%	101	101	0.0	100			70 - 130	30	
% Dibromofluoromethane	92	%	93	95	2.1	92			70 - 130	30	
% Toluene-d8	99	%	101	102	1.0	101			70 - 130	30	

Comment:

The MSD is not reported for this LL soil 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 Data

SDG I.D.: GCG47126

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

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 13, 2020

Thursday, August 13, 2020

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

State: NY

Sample Criteria Exceedances Report

GCG47126 - EBC

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CG47126	$8270SMRDP	N-Nitrosodimethylamine	PA / Reg Fill Limits GP-1a / Organics	ND	79	0.17	0.17	ug/Kg
CG47126	$8270SMRDP	N-Nitrosodi-n-propylamine	PA / Reg Fill Limits GP-1a / Organics	ND	79	5.1	5.1	ug/Kg
CG47126	$8270SMRDP	Bis(2-chloroethyl)ether	PA / Reg Fill Limits GP-1a / Organics	ND	79	17	17	ug/Kg
CG47126	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.51	0.03	0.18	0.18	mg/Kg
CG47126	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	79.0	0.9	63	63	mg/Kg
CG47128	$8270SMRDP	Bis(2-chloroethyl)ether	PA / Reg Fill Limits GP-1a / Organics	ND	75	17	17	ug/Kg
CG47128	$8270SMRDP	N-Nitrosodimethylamine	PA / Reg Fill Limits GP-1a / Organics	ND	75	0.17	0.17	ug/Kg
CG47128	$8270SMRDP	N-Nitrosodi-n-propylamine	PA / Reg Fill Limits GP-1a / Organics	ND	75	5.1	5.1	ug/Kg
CG47130	$8270SMRDP	Bis(2-chloroethyl)ether	PA / Reg Fill Limits GP-1a / Organics	ND	79	17	17	ug/Kg
CG47130	$8270SMRDP	N-Nitrosodimethylamine	PA / Reg Fill Limits GP-1a / Organics	ND	79	0.17	0.17	ug/Kg
CG47130	$8270SMRDP	N-Nitrosodi-n-propylamine	PA / Reg Fill Limits GP-1a / Organics	ND	79	5.1	5.1	ug/Kg
CG47132	$8270SMRDP	Bis(2-chloroethyl)ether	PA / Reg Fill Limits GP-1a / Organics	ND	73	17	17	ug/Kg
CG47132	$8270SMRDP	N-Nitrosodimethylamine	PA / Reg Fill Limits GP-1a / Organics	ND	73	0.17	0.17	ug/Kg
CG47132	$8270SMRDP	N-Nitrosodi-n-propylamine	PA / Reg Fill Limits GP-1a / Organics	ND	73	5.1	5.1	ug/Kg
CG47132	CR-SM	Chromium	NY / 375-6.8 Metals / Unrestricted Use Soil	40.0	0.33	30		mg/Kg
CG47134	$8260MADPR	1,2-Dibromoethane	NJ / Soil Remediation Standard / Res. Direct Contact	ND	420	8	5	ug/Kg
CG47134	$8260MADPR	Naphthalene	NJ / Soil Remediation Standard / Res. Direct Contact	12000	4200	6000	200	ug/Kg
CG47134	$8260MADPR	1,2-Dibromo-3-chloropropane	NJ / Soil Remediation Standard / Res. Direct Contact	ND	850	80	5	ug/Kg
CG47134	$8260MADPR	Carbon tetrachloride	NY / 375-6.8 Volatiles / Ground Water Protection	ND	850	760	760	ug/Kg
CG47134	$8260MADPR	Methylene chloride	NY / 375-6.8 Volatiles / Ground Water Protection	ND	1700	50	50	ug/Kg
CG47134	$8260MADPR	Ethylbenzene	NY / 375-6.8 Volatiles / Ground Water Protection	4800	4200	1000	1000	ug/Kg
CG47134	$8260MADPR	1,1-Dichloroethane	NY / 375-6.8 Volatiles / Ground Water Protection	ND	850	270	270	ug/Kg
CG47134	$8260MADPR	n-Propylbenzene	NY / 375-6.8 Volatiles / Ground Water Protection	10000	4200	3900	3900	ug/Kg
CG47134	$8260MADPR	trans-1,2-Dichloroethene	NY / 375-6.8 Volatiles / Ground Water Protection	ND	420	190	190	ug/Kg
CG47134	$8260MADPR	Chloroform	NY / 375-6.8 Volatiles / Ground Water Protection	ND	420	370	370	ug/Kg
CG47134	$8260MADPR	Vinyl chloride	NY / 375-6.8 Volatiles / Ground Water Protection	ND	420	20	20	ug/Kg
CG47134	$8260MADPR	Benzene	NY / 375-6.8 Volatiles / Ground Water Protection	ND	420	60	60	ug/Kg
CG47134	$8260MADPR	Methyl Ethyl Ketone	NY / 375-6.8 Volatiles / Ground Water Protection	ND	1700	120	120	ug/Kg
CG47134	$8260MADPR	1,2,4-Trimethylbenzene	NY / 375-6.8 Volatiles / Ground Water Protection	24000	4200	3600	3600	ug/Kg
CG47134	$8260MADPR	Acetone	NY / 375-6.8 Volatiles / Ground Water Protection	ND	4200	50	50	ug/Kg
CG47134	$8260MADPR	cis-1,2-Dichloroethene	NY / 375-6.8 Volatiles / Ground Water Protection	ND	420	250	250	ug/Kg
CG47134	$8260MADPR	1,2-Dichloroethane	NY / 375-6.8 Volatiles / Ground Water Protection	ND	420	20	20	ug/Kg
CG47134	$8260MADPR	1,1-Dichloroethene	NY / 375-6.8 Volatiles / Ground Water Protection	ND	420	330	330	ug/Kg
CG47134	$8260MADPR	Ethylbenzene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	4800	4200	1000	1000	ug/Kg
CG47134	$8260MADPR	cis-1,2-Dichloroethene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	420	250	250	ug/Kg
CG47134	$8260MADPR	Carbon tetrachloride	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	850	760	760	ug/Kg
CG47134	$8260MADPR	Chloroform	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	420	370	370	ug/Kg
CG47134	$8260MADPR	Acetone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	4200	50	50	ug/Kg
CG47134	$8260MADPR	1,2-Dichloroethane	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	420	20	20	ug/Kg

Thursday, August 13, 2020

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

State: NY

Sample Criteria Exceedances Report

GCG47126 - EBC

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CG47134	$8260MADPR	1,2,4-Trimethylbenzene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	24000	4200	3600	3600	ug/Kg
CG47134	$8260MADPR	1,1-Dichloroethene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	420	330	330	ug/Kg
CG47134	$8260MADPR	Benzene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	420	60	60	ug/Kg
CG47134	$8260MADPR	1,1-Dichloroethane	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	850	270	270	ug/Kg
CG47134	$8260MADPR	Methylene chloride	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	1700	50	50	ug/Kg
CG47134	$8260MADPR	n-Propylbenzene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	10000	4200	3900	3900	ug/Kg
CG47134	$8260MADPR	trans-1,2-Dichloroethene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	420	190	190	ug/Kg
CG47134	$8260MADPR	Methyl Ethyl Ketone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	1700	120	120	ug/Kg
CG47134	$8260MADPR	Vinyl chloride	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	420	20	20	ug/Kg
CG47134	$8260MADPR	1,2-Dibromo-3-chloropropane	PA / Reg Fill Limits GP-1a / Organics	ND	850	9.2	9.2	ug/Kg
CG47134	$8260MADPR	1,1,2,2-Tetrachloroethane	PA / Reg Fill Limits GP-1a / Organics	ND	850	9.3	9.3	ug/Kg
CG47134	$8260MADPR	1,1,2-Trichloroethane	PA / Reg Fill Limits GP-1a / Organics	ND	850	150	150	ug/Kg
CG47134	$8260MADPR	1,1-Dichloroethene	PA / Reg Fill Limits GP-1a / Organics	ND	420	190	190	ug/Kg
CG47134	$8260MADPR	Chloromethane	PA / Reg Fill Limits GP-1a / Organics	ND	850	38	38	ug/Kg
CG47134	$8260MADPR	1,2,4-Trimethylbenzene	PA / Reg Fill Limits GP-1a / Organics	24000	4200	20000	20000	ug/Kg
CG47134	$8260MADPR	1,2-Dibromoethane	PA / Reg Fill Limits GP-1a / Organics	ND	420	1.2	1.2	ug/Kg
CG47134	$8260MADPR	1,2-Dichloroethane	PA / Reg Fill Limits GP-1a / Organics	ND	420	100	100	ug/Kg
CG47134	$8260MADPR	1,2-Dichloropropane	PA / Reg Fill Limits GP-1a / Organics	ND	850	110	110	ug/Kg
CG47134	$8260MADPR	Acrylonitrile	PA / Reg Fill Limits GP-1a / Organics	ND	850	37	37	ug/Kg
CG47134	$8260MADPR	Trichloroethene	PA / Reg Fill Limits GP-1a / Organics	ND	420	170	170	ug/Kg
CG47134	$8260MADPR	Methyl t-butyl ether (MTBE)	PA / Reg Fill Limits GP-1a / Organics	ND	850	280	280	ug/Kg
CG47134	$8260MADPR	Methylene chloride	PA / Reg Fill Limits GP-1a / Organics	ND	1700	76	76	ug/Kg
CG47134	$8260MADPR	Carbon tetrachloride	PA / Reg Fill Limits GP-1a / Organics	ND	850	260	260	ug/Kg
CG47134	$8260MADPR	Bromomethane	PA / Reg Fill Limits GP-1a / Organics	ND	1700	540	540	ug/Kg
CG47134	$8260MADPR	Benzene	PA / Reg Fill Limits GP-1a / Organics	ND	420	130	130	ug/Kg
CG47134	$8260MADPR	Vinyl chloride	PA / Reg Fill Limits GP-1a / Organics	ND	420	27	27	ug/Kg
CG47134	$8260MADPR	Tetrachloroethene	PA / Reg Fill Limits GP-1a / Organics	ND	850	430	430	ug/Kg
CG47134	$8270SMRDP	Naphthalene	NJ / Soil Remediation Standard / Res. Direct Contact	16000	2600	6000	200	ug/Kg
CG47134	$8270SMRDP	Naphthalene	NY / 375-6.8 Semivolatiles / Ground Water Protection	16000	2600	12000	12000	ug/Kg
CG47134	$8270SMRDP	Naphthalene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	16000	2600	12000	12000	ug/Kg
CG47134	$8270SMRDP	N-Nitrosodimethylamine	PA / Reg Fill Limits GP-1a / Organics	ND	73	0.17	0.17	ug/Kg
CG47134	$8270SMRDP	N-Nitrosodi-n-propylamine	PA / Reg Fill Limits GP-1a / Organics	ND	73	5.1	5.1	ug/Kg
CG47134	$8270SMRDP	Bis(2-chloroethyl)ether	PA / Reg Fill Limits GP-1a / Organics	ND	73	17	17	ug/Kg
CG47134	$DIOX_SMR	1,4-dioxane	NY / 375-6.8 Volatiles / Ground Water Protection	ND	34000	100	100	ug/kg
CG47134	$DIOX_SMR	1,4-dioxane	NY / 375-6.8 Volatiles / Residential Restricted	ND	34000	13000	13000	ug/kg
CG47134	$DIOX_SMR	1,4-dioxane	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	34000	100	100	ug/kg
CG47134	$DIOX_SMR	1,4-dioxane	PA / Reg Fill Limits GP-1a / Organics	ND	34000	310	310	ug/kg
CG47134	$NJADD-SM	Acrolein	NJ / Soil Remediation Standard / Res. Direct Contact	ND	850	500	500	ug/Kg
CG47134	$NJADD-SM	Acrolein	PA / Reg Fill Limits GP-1a / Organics	ND	850	1.4	1.4	ug/Kg
CG47134	$NJADD-SM	Acrylonitrile	PA / Reg Fill Limits GP-1a / Organics	ND	420	37	37	ug/Kg
CG47135	$8270SMRDP	Bis(2-chloroethyl)ether	PA / Reg Fill Limits GP-1a / Organics	ND	72	17	17	ug/Kg

Thursday, August 13, 2020

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

State: NY

Sample Criteria Exceedances Report

GCG47126 - EBC

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CG47135	$8270SMRDP	N-Nitrosodimethylamine	PA / Reg Fill Limits GP-1a / Organics	ND	72	0.17	0.17	ug/Kg
CG47135	$8270SMRDP	N-Nitrosodi-n-propylamine	PA / Reg Fill Limits GP-1a / Organics	ND	72	5.1	5.1	ug/Kg
CG47135	CR-SM	Chromium	NY / 375-6.8 Metals / Unrestricted Use Soil	31.4	0.36	30		mg/Kg
CG47137	$8270SMRDP	N-Nitrosodi-n-propylamine	PA / Reg Fill Limits GP-1a / Organics	ND	70	5.1	5.1	ug/Kg
CG47137	$8270SMRDP	Bis(2-chloroethyl)ether	PA / Reg Fill Limits GP-1a / Organics	ND	70	17	17	ug/Kg
CG47137	$8270SMRDP	N-Nitrosodimethylamine	PA / Reg Fill Limits GP-1a / Organics	ND	70	0.17	0.17	ug/Kg
CG47137	CR-SM	Chromium	NY / 375-6.8 Metals / Unrestricted Use Soil	30.7	0.38	30		mg/Kg
CG47139	$8270SMRDP	N-Nitrosodimethylamine	PA / Reg Fill Limits GP-1a / Organics	ND	68	0.17	0.17	ug/Kg
CG47139	$8270SMRDP	N-Nitrosodi-n-propylamine	PA / Reg Fill Limits GP-1a / Organics	ND	68	5.1	5.1	ug/Kg
CG47139	$8270SMRDP	Bis(2-chloroethyl)ether	PA / Reg Fill Limits GP-1a / Organics	ND	68	17	17	ug/Kg
CG47141	$8270SMRDP	Bis(2-chloroethyl)ether	PA / Reg Fill Limits GP-1a / Organics	ND	69	17	17	ug/Kg
CG47141	$8270SMRDP	N-Nitrosodimethylamine	PA / Reg Fill Limits GP-1a / Organics	ND	69	0.17	0.17	ug/Kg
CG47141	$8270SMRDP	N-Nitrosodi-n-propylamine	PA / Reg Fill Limits GP-1a / Organics	ND	69	5.1	5.1	ug/Kg
CG47141	CR-SM	Chromium	NY / 375-6.8 Metals / Unrestricted Use Soil	31.6	0.36	30		mg/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 13, 2020 SDG I.D.: GCG47126

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: CG47126, CG47128, CG47130, CG47132, CG47135, CG47137, CG47139, CG47141

The following Continuing Calibration compounds did not meet % deviation criteria:
Samples: CG47126, CG47128, CG47130, CG47132, CG47135, CG47137, CG47139, CG47141
Preceding CC 805B026 - None.
Succeeding CC 805B038 - Dichloroprop (7) 19%H (15%)

PCB Narration

AU-ECD1 08/06/20-1: CG47141

The following Continuing Calibration compounds did not meet % deviation criteria:
Samples: CG47141
Preceding CC 806B016 - None.
Succeeding CC 806B029 - PCB 1260 16%L (%)

AU-ECD29 08/05/20-1: CG47126, CG47128, CG47130, CG47132, CG47135, CG47137, CG47139

The following Continuing Calibration compounds did not meet % deviation criteria:
Samples: CG47130, CG47137
Preceding CC 805B019 - None.
Succeeding CC 805B032 - PCB 1260 18%L (%)
Samples: CG47126, CG47128, CG47132, CG47135, CG47139
Preceding CC 805B032 - PCB 1260 18%L (%)
Succeeding CC 805B045 - None.

PEST Narration

AU-ECD35 08/05/20-1: CG47130, CG47135, CG47137

The following Continuing Calibration compounds did not meet % deviation criteria:
Samples: CG47130, CG47135, CG47137
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.

AU-ECD4 08/05/20-1: CG47126, CG47128, CG47132

The following Continuing Calibration compounds did not meet % deviation criteria:
Samples: CG47126, CG47132
Preceding CC 805A018 - b-BHC 28%L (20%), Endosulfan sulfate 24%L (20%)
Succeeding CC 805A032 - g-BHC 25%H (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: CG47128
Preceding CC 805A032 - g-BHC 25%H (20%)
Succeeding CC 805A045 - g-BHC 23%H (20%)

SVOA Narration

CHEM69 08/04/20-1: CG47126, CG47128, CG47130, CG47132, CG47134, CG47135, CG47137, CG47139, CG47141

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Comments

August 13, 2020 SDG I.D.: GCG47126

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 08/05/20-2: CG47127, CG47136, CG47138, CG47140

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.

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%.

CHEM31 08/05/20-3: CG47133, CG47134, CG47142

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%.

CHEM31 08/06/20-1: CG47129

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.

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%.

CHEM31 08/07/20-1: CG47131

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%.

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

NY Temperature Narration

August 13, 2020

SDG I.D.: GCG47126

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: 8 Westchester 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 [ ] 1000ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
47126	8WB Comp (0-2')	Soil	8/3/2020	15:26	X	X	X	X	X	X	X	X					2								
47127	8WB Grab (0-2')	Soil	8/3/2020	14:45									X			3		1							
47128	8WB Comp (2-4')	Soil	8/3/2020	15:40	X	X	X	X	X	X	X	X					2								
47129	8WB Grab (2-4')	Soil	8/3/2020	14:50									X			3		1							
47130	8WB Comp (4-6')	Soil	8/3/2020	15:52	X	X	X	X	X	X	X	X					2								
47131	8WB Grab (4-6')	Soil	8/3/2020	14:55									X			3		1							
47132	8WB Comp (6-8')	Soil	8/3/2020	16:09	X	X	X	X	X	X	X	X					2								
47133	8WB Grab (6-8')	Soil	8/3/2020	15:00									X			3		1							
47134	8WB1 @ (7')	Soil	8/3/2020	10:20								X	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.

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Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

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

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

Project: 8 Westchester 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
47135	8WB Comp (8-10')	Soil	8/3/2020	16:20	X	X	X	X	X	X	X	X						2								
47136	8WB Grab (8-10')	Soil	8/3/2020	15:05									X						1	3						
47137	8WB Comp (10-12')	Soil	8/3/2020	16:32	X	X	X	X	X	X	X	X						2								
47138	8WB Grab (10-12')	Soil	8/3/2020	15:10									X						1	3						
47139	8WB Comp (12-14')	Soil	8/3/2020	16:44	X	X	X	X	X	X	X	X						2								
47140	8WB Grab (12-14')	Soil	8/3/2020	15:15									X						1	3						
47141	8WB Comp (14-16')	Soil	8/3/2020	17:00	X	X	X	X	X	X	X	X						2								
47142	8WB Grab (14-16')	Soil	8/3/2020	15:20									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