



Tuesday, August 11, 2020

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

Project ID: 316 HUGUENOT ST NEW ROCHELLE NY
SDG ID: GCG48033
Sample ID#s: CG48033 - CG48040

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,

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

Phyllis Shiller

Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #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



SDG Comments

August 11, 2020

SDG I.D.: GCG48033

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



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Sample Id Cross Reference

August 11, 2020

SDG I.D.: GCG48033

Project ID: 316 HUGUENOT ST NEW ROCHELLE NY

Client Id	Lab Id	Matrix
316B1 FILL	CG48033	SOIL
316B2 FILL	CG48034	SOIL
316B3 FILL	CG48035	SOIL
316B4 FILL	CG48036	SOIL
316B5 FILL	CG48037	SOIL
316B6 FILL	CG48038	SOIL
TRIP BLANK HL	CG48039	SOIL
TRIP BLANK LL	CG48040	SOIL



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Analysis Report

August 11, 2020

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

Sample Information

Matrix: SOIL
Location Code: EBC
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by: DM
Received by: B
Analyzed by: see "By" below

Date

08/04/20
08/05/20

Time

8:23
16:20

Laboratory Data

SDG ID: GCG48033
Phoenix ID: CG48033

Project ID: 316 HUGUENOT ST NEW ROCHELLE NY
Client ID: 316B1 FILL

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.39	0.39		mg/Kg	1	08/06/20	CPP	SW6010D
Aluminum	13600	39		mg/Kg	10	08/06/20	CPP	SW6010D
Arsenic	1.70	0.78		mg/Kg	1	08/06/20	CPP	SW6010D
Barium	60.5	0.8		mg/Kg	1	08/06/20	CPP	SW6010D
Beryllium	0.38	0.31		mg/Kg	1	08/06/20	CPP	SW6010D
Calcium	1510	3.9		mg/Kg	1	08/06/20	CPP	SW6010D
Cadmium	1.04	0.39		mg/Kg	1	08/06/20	CPP	SW6010D
Cobalt	9.12	0.39		mg/Kg	1	08/06/20	CPP	SW6010D
Chromium	19.8	0.39		mg/Kg	1	08/06/20	CPP	SW6010D
Copper	15.0	0.8		mg/kg	1	08/06/20	CPP	SW6010D
Iron	20100	39		mg/Kg	10	08/06/20	CPP	SW6010D
Mercury	0.05	0.03		mg/Kg	2	08/06/20	RS	SW7471B
Potassium	2110	8		mg/Kg	1	08/06/20	CPP	SW6010D
Magnesium	2510	3.9		mg/Kg	1	08/06/20	CPP	SW6010D
Manganese	552	3.9		mg/Kg	10	08/06/20	CPP	SW6010D
Sodium	280	8		mg/Kg	1	08/06/20	CPP	SW6010D
Nickel	14.7	0.39		mg/Kg	1	08/06/20	CPP	SW6010D
Lead	6.1	0.8		mg/Kg	1	08/06/20	CPP	SW6010D
Antimony	< 3.9	3.9		mg/Kg	1	08/06/20	CPP	SW6010D
Selenium	< 1.6	1.6		mg/Kg	1	08/06/20	CPP	SW6010D
Thallium	< 1.6	1.6		mg/Kg	1	08/06/20	CPP	SW6010D
Vanadium	27.7	0.39		mg/Kg	1	08/06/20	CPP	SW6010D
Zinc	27.1	0.8		mg/Kg	1	08/06/20	CPP	SW6010D
Percent Solid	86			%		08/05/20	HB	SW846-%Solid
Soil Extraction for PCB	Completed					08/05/20	L/E	SW3545A
Soil Extraction for PCB	Completed					08/05/20	L/E	SW3545A
Soil Extraction for Pesticides	Completed					08/05/20	L/E	SW3545A
Mercury Digestion	Completed					08/06/20	VT/VT	SW7471B

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By
Soil Extraction for SVOA	Completed					08/05/20	R/M SW3546
Total Metals Digest	Completed					08/05/20	B/AG/BF SW3050B

Polychlorinated Biphenyls

PCB-1016	ND	77	77	ug/Kg	2	08/06/20	SC SW8082A
PCB-1221	ND	77	77	ug/Kg	2	08/06/20	SC SW8082A
PCB-1232	ND	77	77	ug/Kg	2	08/06/20	SC SW8082A
PCB-1242	ND	77	77	ug/Kg	2	08/06/20	SC SW8082A
PCB-1248	ND	77	77	ug/Kg	2	08/06/20	SC SW8082A
PCB-1254	ND	77	77	ug/Kg	2	08/06/20	SC SW8082A
PCB-1260	ND	77	77	ug/Kg	2	08/06/20	SC SW8082A
PCB-1262	ND	77	77	ug/Kg	2	08/06/20	SC SW8082A
PCB-1268	ND	77	77	ug/Kg	2	08/06/20	SC SW8082A

QA/QC Surrogates

% DCBP	73			%	2	08/06/20	SC 30 - 150 %
% DCBP (Confirmation)	75			%	2	08/06/20	SC 30 - 150 %
% TCMX	73			%	2	08/06/20	SC 30 - 150 %
% TCMX (Confirmation)	76			%	2	08/06/20	SC 30 - 150 %

Pesticides - Soil

4,4' -DDD	ND	2.3		ug/Kg	2	08/06/20	CG SW8081B
4,4' -DDE	ND	2.3		ug/Kg	2	08/06/20	CG SW8081B
4,4' -DDT	ND	2.3		ug/Kg	2	08/06/20	CG SW8081B
a-BHC	ND	7.7		ug/Kg	2	08/06/20	CG SW8081B
a-Chlordane	ND	3.8		ug/Kg	2	08/06/20	CG SW8081B
Aldrin	ND	3.8		ug/Kg	2	08/06/20	CG SW8081B
b-BHC	ND	7.7		ug/Kg	2	08/06/20	CG SW8081B
Chlordane	ND	38		ug/Kg	2	08/06/20	CG SW8081B
d-BHC	ND	7.7		ug/Kg	2	08/06/20	CG SW8081B
Dieldrin	ND	3.8		ug/Kg	2	08/06/20	CG SW8081B
Endosulfan I	ND	7.7		ug/Kg	2	08/06/20	CG SW8081B
Endosulfan II	ND	7.7		ug/Kg	2	08/06/20	CG SW8081B
Endosulfan sulfate	ND	7.7		ug/Kg	2	08/06/20	CG SW8081B
Endrin	ND	7.7		ug/Kg	2	08/06/20	CG SW8081B
Endrin aldehyde	ND	7.7		ug/Kg	2	08/06/20	CG SW8081B
Endrin ketone	ND	7.7		ug/Kg	2	08/06/20	CG SW8081B
g-BHC	ND	1.5		ug/Kg	2	08/06/20	CG SW8081B
g-Chlordane	ND	3.8		ug/Kg	2	08/06/20	CG SW8081B
Heptachlor	ND	7.7		ug/Kg	2	08/06/20	CG SW8081B
Heptachlor epoxide	ND	7.7		ug/Kg	2	08/06/20	CG SW8081B
Methoxychlor	ND	38		ug/Kg	2	08/06/20	CG SW8081B
Toxaphene	ND	150		ug/Kg	2	08/06/20	CG SW8081B

QA/QC Surrogates

% DCBP	79			%	2	08/06/20	CG 30 - 150 %
% DCBP (Confirmation)	79			%	2	08/06/20	CG 30 - 150 %
% TCMX	73			%	2	08/06/20	CG 30 - 150 %
% TCMX (Confirmation)	79			%	2	08/06/20	CG 30 - 150 %

Volatiles

1,1,1,2-Tetrachloroethane	ND	3.7	0.73	ug/Kg	1	08/08/20	JLI SW8260C
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Client ID: 316B1 FILL

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By
1,1,1-Trichloroethane	ND	3.7	0.37	ug/Kg	1	08/08/20	JLI SW8260C
1,1,2,2-Tetrachloroethane	ND	3.7	0.73	ug/Kg	1	08/08/20	JLI SW8260C
1,1,2-Trichloroethane	ND	3.7	0.73	ug/Kg	1	08/08/20	JLI SW8260C
1,1-Dichloroethane	ND	3.7	0.73	ug/Kg	1	08/08/20	JLI SW8260C
1,1-Dichloroethene	ND	3.7	0.37	ug/Kg	1	08/08/20	JLI SW8260C
1,1-Dichloropropene	ND	3.7	0.37	ug/Kg	1	08/08/20	JLI SW8260C
1,2,3-Trichlorobenzene	ND	3.7	0.73	ug/Kg	1	08/08/20	JLI SW8260C
1,2,3-Trichloropropane	ND	3.7	0.37	ug/Kg	1	08/08/20	JLI SW8260C
1,2,4-Trichlorobenzene	ND	3.7	0.73	ug/Kg	1	08/08/20	JLI SW8260C
1,2,4-Trimethylbenzene	ND	3.7	0.37	ug/Kg	1	08/08/20	JLI SW8260C
1,2-Dibromo-3-chloropropane	ND	3.7	0.73	ug/Kg	1	08/08/20	JLI SW8260C
1,2-Dibromoethane	ND	1.2	0.37	ug/Kg	1	08/08/20	JLI SW8260C
1,2-Dichlorobenzene	ND	3.7	0.37	ug/Kg	1	08/08/20	JLI SW8260C
1,2-Dichloroethane	ND	3.7	0.37	ug/Kg	1	08/08/20	JLI SW8260C
1,2-Dichloropropane	ND	3.7	0.73	ug/Kg	1	08/08/20	JLI SW8260C
1,3,5-Trimethylbenzene	ND	3.7	0.37	ug/Kg	1	08/08/20	JLI SW8260C
1,3-Dichlorobenzene	ND	3.7	0.37	ug/Kg	1	08/08/20	JLI SW8260C
1,3-Dichloropropane	ND	3.7	0.73	ug/Kg	1	08/08/20	JLI SW8260C
1,4-Dichlorobenzene	ND	3.7	0.37	ug/Kg	1	08/08/20	JLI SW8260C
2,2-Dichloropropane	ND	3.7	0.37	ug/Kg	1	08/08/20	JLI SW8260C
2-Chlorotoluene	ND	3.7	0.73	ug/Kg	1	08/08/20	JLI SW8260C
2-Hexanone	ND	18	3.7	ug/Kg	1	08/08/20	JLI SW8260C
2-Isopropyltoluene	ND	3.7	0.37	ug/Kg	1	08/08/20	JLI SW8260C
4-Chlorotoluene	ND	3.7	0.37	ug/Kg	1	08/08/20	JLI SW8260C
4-Methyl-2-pentanone	ND	18	3.7	ug/Kg	1	08/08/20	JLI SW8260C
Acetone	ND	18	3.7	ug/Kg	1	08/08/20	JLI SW8260C
Acrylonitrile	ND	7.3	0.73	ug/Kg	1	08/08/20	JLI SW8260C
Benzene	ND	3.7	0.37	ug/Kg	1	08/08/20	JLI SW8260C
Bromobenzene	ND	3.7	0.37	ug/Kg	1	08/08/20	JLI SW8260C
Bromochloromethane	ND	3.7	0.37	ug/Kg	1	08/08/20	JLI SW8260C
Bromodichloromethane	ND	3.7	0.73	ug/Kg	1	08/08/20	JLI SW8260C
Bromoform	ND	3.7	0.73	ug/Kg	1	08/08/20	JLI SW8260C
Bromomethane	ND	3.7	1.5	ug/Kg	1	08/08/20	JLI SW8260C
Carbon Disulfide	ND	3.7	0.73	ug/Kg	1	08/08/20	JLI SW8260C
Carbon tetrachloride	ND	3.7	0.73	ug/Kg	1	08/08/20	JLI SW8260C
Chlorobenzene	ND	3.7	0.37	ug/Kg	1	08/08/20	JLI SW8260C
Chloroethane	ND	3.7	0.37	ug/Kg	1	08/08/20	JLI SW8260C
Chloroform	ND	3.7	0.37	ug/Kg	1	08/08/20	JLI SW8260C
Chloromethane	ND	3.7	0.73	ug/Kg	1	08/08/20	JLI SW8260C
cis-1,2-Dichloroethene	ND	3.7	0.37	ug/Kg	1	08/08/20	JLI SW8260C
cis-1,3-Dichloropropene	ND	3.7	0.37	ug/Kg	1	08/08/20	JLI SW8260C
Dibromochloromethane	ND	3.7	0.73	ug/Kg	1	08/08/20	JLI SW8260C
Dibromomethane	ND	3.7	0.73	ug/Kg	1	08/08/20	JLI SW8260C
Dichlorodifluoromethane	ND	3.7	0.37	ug/Kg	1	08/08/20	JLI SW8260C
Ethylbenzene	ND	3.7	0.37	ug/Kg	1	08/08/20	JLI SW8260C
Hexachlorobutadiene	ND	3.7	0.37	ug/Kg	1	08/08/20	JLI SW8260C
Isopropylbenzene	ND	3.7	0.37	ug/Kg	1	08/08/20	JLI SW8260C
m&p-Xylene	ND	3.7	0.73	ug/Kg	1	08/08/20	JLI SW8260C
Methyl Ethyl Ketone	ND	22	3.7	ug/Kg	1	08/08/20	JLI SW8260C

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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By
Methyl t-butyl ether (MTBE)	ND	7.3	0.73	ug/Kg	1	08/08/20	JLI SW8260C
Methylene chloride	ND	3.7	3.7	ug/Kg	1	08/08/20	JLI SW8260C
Naphthalene	ND	3.7	0.73	ug/Kg	1	08/08/20	JLI SW8260C
n-Butylbenzene	ND	3.7	0.37	ug/Kg	1	08/08/20	JLI SW8260C
n-Propylbenzene	ND	3.7	0.73	ug/Kg	1	08/08/20	JLI SW8260C
o-Xylene	ND	3.7	0.73	ug/Kg	1	08/08/20	JLI SW8260C
p-Isopropyltoluene	ND	3.7	0.37	ug/Kg	1	08/08/20	JLI SW8260C
sec-Butylbenzene	ND	3.7	0.37	ug/Kg	1	08/08/20	JLI SW8260C
Styrene	ND	3.7	0.37	ug/Kg	1	08/08/20	JLI SW8260C
tert-Butylbenzene	ND	3.7	0.37	ug/Kg	1	08/08/20	JLI SW8260C
Tetrachloroethene	ND	3.7	0.73	ug/Kg	1	08/08/20	JLI SW8260C
Tetrahydrofuran (THF)	ND	7.3	1.8	ug/Kg	1	08/08/20	JLI SW8260C
Toluene	ND	3.7	0.37	ug/Kg	1	08/08/20	JLI SW8260C
trans-1,2-Dichloroethene	ND	3.7	0.37	ug/Kg	1	08/08/20	JLI SW8260C
trans-1,3-Dichloropropene	ND	3.7	0.37	ug/Kg	1	08/08/20	JLI SW8260C
trans-1,4-dichloro-2-butene	ND	7.3	1.8	ug/Kg	1	08/08/20	JLI SW8260C
Trichloroethene	ND	3.7	0.37	ug/Kg	1	08/08/20	JLI SW8260C
Trichlorofluoromethane	ND	3.7	0.73	ug/Kg	1	08/08/20	JLI SW8260C
Trichlorotrifluoroethane	ND	3.7	0.37	ug/Kg	1	08/08/20	JLI SW8260C
Vinyl chloride	ND	3.7	0.37	ug/Kg	1	08/08/20	JLI SW8260C
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	99			%	1	08/08/20	JLI 70 - 130 %
% Bromofluorobenzene	99			%	1	08/08/20	JLI 70 - 130 %
% Dibromofluoromethane	91			%	1	08/08/20	JLI 70 - 130 %
% Toluene-d8	99			%	1	08/08/20	JLI 70 - 130 %
<u>1,4-dioxane</u>							
1,4-dioxane	ND	55		ug/kg	1	08/08/20	JLI SW8260C
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	99			%	1	08/08/20	JLI 70 - 130 %
% Bromofluorobenzene	99			%	1	08/08/20	JLI 70 - 130 %
% Dibromofluoromethane	91			%	1	08/08/20	JLI 70 - 130 %
% Toluene-d8	99			%	1	08/08/20	JLI 70 - 130 %
<u>Volatiles</u>							
1,1,1,2-Tetrachloroethane	ND	15		ug/Kg	1	08/08/20	JLI SW8260C
Acrolein	ND	1.4		ug/Kg	1	08/08/20	JLI SW8260C
Acrylonitrile	ND	15		ug/Kg	1	08/08/20	JLI SW8260C
Tert-butyl alcohol	ND	73		ug/Kg	1	08/08/20	JLI SW8260C
<u>Semivolatiles</u>							
1,2,4,5-Tetrachlorobenzene	ND	260	130	ug/Kg	1	08/06/20	WB SW8270D
1,2,4-Trichlorobenzene	ND	260	110	ug/Kg	1	08/06/20	WB SW8270D
1,2-Dichlorobenzene	ND	260	110	ug/Kg	1	08/06/20	WB SW8270D
1,2-Diphenylhydrazine	ND	260	120	ug/Kg	1	08/06/20	WB SW8270D
1,3-Dichlorobenzene	ND	260	110	ug/Kg	1	08/06/20	WB SW8270D
1,4-Dichlorobenzene	ND	260	110	ug/Kg	1	08/06/20	WB SW8270D
2,4,5-Trichlorophenol	ND	260	210	ug/Kg	1	08/06/20	WB SW8270D
2,4,6-Trichlorophenol	ND	190	120	ug/Kg	1	08/06/20	WB SW8270D
2,4-Dichlorophenol	ND	190	130	ug/Kg	1	08/06/20	WB SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By
2,4-Dimethylphenol	ND	260	94	ug/Kg	1	08/06/20	WB SW8270D
2,4-Dinitrophenol	ND	260	260	ug/Kg	1	08/06/20	WB SW8270D
2,4-Dinitrotoluene	ND	190	150	ug/Kg	1	08/06/20	WB SW8270D
2,6-Dinitrotoluene	ND	190	120	ug/Kg	1	08/06/20	WB SW8270D
2-Chloronaphthalene	ND	260	110	ug/Kg	1	08/06/20	WB SW8270D
2-Chlorophenol	ND	260	110	ug/Kg	1	08/06/20	WB SW8270D
2-Methylnaphthalene	ND	260	110	ug/Kg	1	08/06/20	WB SW8270D
2-Methylphenol (o-cresol)	ND	260	180	ug/Kg	1	08/06/20	WB SW8270D
2-Nitroaniline	ND	100	100	ug/Kg	1	08/06/20	WB SW8270D
2-Nitrophenol	ND	260	240	ug/Kg	1	08/06/20	WB SW8270D
3&4-Methylphenol (m&p-cresol)	ND	260	150	ug/Kg	1	08/06/20	WB SW8270D
3,3'-Dichlorobenzidine	ND	190	180	ug/Kg	1	08/06/20	WB SW8270D
3-Nitroaniline	ND	91	91	ug/Kg	1	08/06/20	WB SW8270D
4,6-Dinitro-2-methylphenol	ND	230	76	ug/Kg	1	08/06/20	WB SW8270D
4-Bromophenyl phenyl ether	ND	260	110	ug/Kg	1	08/06/20	WB SW8270D
4-Chloro-3-methylphenol	ND	260	130	ug/Kg	1	08/06/20	WB SW8270D
4-Chloroaniline	ND	300	180	ug/Kg	1	08/06/20	WB SW8270D
4-Chlorophenyl phenyl ether	ND	260	130	ug/Kg	1	08/06/20	WB SW8270D
4-Nitroaniline	ND	86	86	ug/Kg	1	08/06/20	WB SW8270D
4-Nitrophenol	ND	380	170	ug/Kg	1	08/06/20	WB SW8270D
Acenaphthene	ND	260	110	ug/Kg	1	08/06/20	WB SW8270D
Acenaphthylene	ND	260	110	ug/Kg	1	08/06/20	WB SW8270D
Acetophenone	ND	260	120	ug/Kg	1	08/06/20	WB SW8270D
Aniline	ND	300	300	ug/Kg	1	08/06/20	WB SW8270D
Anthracene	ND	260	120	ug/Kg	1	08/06/20	WB SW8270D
Benz(a)anthracene	ND	260	130	ug/Kg	1	08/06/20	WB SW8270D
Benzidine	ND	340	220	ug/Kg	1	08/06/20	WB SW8270D
Benzo(a)pyrene	ND	190	120	ug/Kg	1	08/06/20	WB SW8270D
Benzo(b)fluoranthene	ND	260	130	ug/Kg	1	08/06/20	WB SW8270D
Benzo(ghi)perylene	ND	260	120	ug/Kg	1	08/06/20	WB SW8270D
Benzo(k)fluoranthene	ND	260	130	ug/Kg	1	08/06/20	WB SW8270D
Benzoic acid	ND	1900	760	ug/Kg	1	08/06/20	WB SW8270D
Benzyl butyl phthalate	ND	260	97	ug/Kg	1	08/06/20	WB SW8270D
Bis(2-chloroethoxy)methane	ND	260	100	ug/Kg	1	08/06/20	WB SW8270D
Bis(2-chloroethyl)ether	ND	76	76	ug/Kg	1	08/06/20	WB SW8270D
Bis(2-chloroisopropyl)ether	ND	260	100	ug/Kg	1	08/06/20	WB SW8270D
Bis(2-ethylhexyl)phthalate	ND	260	110	ug/Kg	1	08/06/20	WB SW8270D
Carbazole	ND	190	150	ug/Kg	1	08/06/20	WB SW8270D
Chrysene	ND	260	130	ug/Kg	1	08/06/20	WB SW8270D
Dibenz(a,h)anthracene	ND	190	120	ug/Kg	1	08/06/20	WB SW8270D
Dibenzofuran	ND	260	110	ug/Kg	1	08/06/20	WB SW8270D
Diethyl phthalate	ND	260	120	ug/Kg	1	08/06/20	WB SW8270D
Dimethylphthalate	ND	260	120	ug/Kg	1	08/06/20	WB SW8270D
Di-n-butylphthalate	ND	260	100	ug/Kg	1	08/06/20	WB SW8270D
Di-n-octylphthalate	ND	260	97	ug/Kg	1	08/06/20	WB SW8270D
Fluoranthene	ND	260	120	ug/Kg	1	08/06/20	WB SW8270D
Fluorene	ND	260	120	ug/Kg	1	08/06/20	WB SW8270D
Hexachlorobenzene	ND	190	110	ug/Kg	1	08/06/20	WB SW8270D
Hexachlorobutadiene	ND	260	140	ug/Kg	1	08/06/20	WB SW8270D

1

Client ID: 316B1 FILL

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By
Hexachlorocyclopentadiene	ND	260	120	ug/Kg	1	08/06/20	WB SW8270D
Hexachloroethane	ND	190	110	ug/Kg	1	08/06/20	WB SW8270D
Indeno(1,2,3-cd)pyrene	ND	260	130	ug/Kg	1	08/06/20	WB SW8270D
Isophorone	ND	190	110	ug/Kg	1	08/06/20	WB SW8270D
Naphthalene	ND	260	110	ug/Kg	1	08/06/20	WB SW8270D
Nitrobenzene	ND	190	130	ug/Kg	1	08/06/20	WB SW8270D
N-Nitrosodimethylamine	ND	76	76	ug/Kg	1	08/06/20	WB SW8270D
N-Nitrosodi-n-propylamine	ND	76	76	ug/Kg	1	08/06/20	WB SW8270D
N-Nitrosodiphenylamine	ND	260	140	ug/Kg	1	08/06/20	WB SW8270D
Pentachloronitrobenzene	ND	260	140	ug/Kg	1	08/06/20	WB SW8270D
Pentachlorophenol	ND	230	140	ug/Kg	1	08/06/20	WB SW8270D
Phenanthrene	ND	260	110	ug/Kg	1	08/06/20	WB SW8270D
Phenol	ND	260	120	ug/Kg	1	08/06/20	WB SW8270D
Pyrene	ND	260	130	ug/Kg	1	08/06/20	WB SW8270D
Pyridine	ND	220	93	ug/Kg	1	08/06/20	WB SW8270D
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	77			%	1	08/06/20	WB 30 - 130 %
% 2-Fluorobiphenyl	76			%	1	08/06/20	WB 30 - 130 %
% 2-Fluorophenol	67			%	1	08/06/20	WB 30 - 130 %
% Nitrobenzene-d5	69			%	1	08/06/20	WB 30 - 130 %
% Phenol-d5	72			%	1	08/06/20	WB 30 - 130 %
% Terphenyl-d14	80			%	1	08/06/20	WB 30 - 130 %
Field Extraction	Completed					08/04/20	SW5035A

1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By
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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 (preceded 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-dinitrophenol, 4,6-Dinitro-2-methylphenol, and Benzidine.

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

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

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.

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

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



Phyllis Shiller, Laboratory Director

August 11, 2020

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



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



Analysis Report

August 11, 2020

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

Sample Information

Matrix: SOIL
Location Code: EBC
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by: DM
Received by: B
Analyzed by: see "By" below

Date

08/04/20
08/05/20

Time

9:13
16:20

Laboratory Data

SDG ID: GCG48033
Phoenix ID: CG48034

Project ID: 316 HUGUENOT ST NEW ROCHELLE NY
Client ID: 316B2 FILL

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.36	0.36		mg/Kg	1	08/06/20	CPP	SW6010D
Aluminum	11800	36		mg/Kg	10	08/06/20	CPP	SW6010D
Arsenic	1.79	0.72		mg/Kg	1	08/06/20	CPP	SW6010D
Barium	144	0.7		mg/Kg	1	08/06/20	CPP	SW6010D
Beryllium	< 0.29	0.29		mg/Kg	1	08/06/20	CPP	SW6010D
Calcium	36000	36		mg/Kg	10	08/06/20	CPP	SW6010D
Cadmium	1.11	0.36		mg/Kg	1	08/06/20	CPP	SW6010D
Cobalt	10.7	0.36		mg/Kg	1	08/06/20	CPP	SW6010D
Chromium	35.0	0.36		mg/Kg	1	08/06/20	CPP	SW6010D
Copper	31.4	0.7		mg/kg	1	08/06/20	CPP	SW6010D
Iron	20800	36		mg/Kg	10	08/06/20	CPP	SW6010D
Mercury	< 0.03	0.03		mg/Kg	2	08/06/20	RS	SW7471B
Potassium	5560	72		mg/Kg	10	08/06/20	CPP	SW6010D
Magnesium	9450	36		mg/Kg	10	08/06/20	CPP	SW6010D
Manganese	310	3.6		mg/Kg	10	08/06/20	CPP	SW6010D
Sodium	377	7		mg/Kg	1	08/06/20	CPP	SW6010D
Nickel	22.3	0.36		mg/Kg	1	08/06/20	CPP	SW6010D
Lead	12.7	0.7		mg/Kg	1	08/06/20	CPP	SW6010D
Antimony	< 3.6	3.6		mg/Kg	1	08/06/20	CPP	SW6010D
Selenium	< 1.4	1.4		mg/Kg	1	08/06/20	CPP	SW6010D
Thallium	< 1.4	1.4		mg/Kg	1	08/06/20	CPP	SW6010D
Vanadium	39.9	0.36		mg/Kg	1	08/06/20	CPP	SW6010D
Zinc	60.3	0.7		mg/Kg	1	08/06/20	CPP	SW6010D
Percent Solid	91			%		08/05/20	HB	SW846-%Solid
Soil Extraction for PCB	Completed					08/05/20	L/E	SW3545A
Soil Extraction for PCB	Completed					08/05/20	L/E	SW3545A
Soil Extraction for Pesticides	Completed					08/05/20	L/E	SW3545A
Mercury Digestion	Completed					08/06/20	VT/VT	SW7471B

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By
Soil Extraction for SVOA	Completed					08/05/20	R/M SW3546
Total Metals Digest	Completed					08/05/20	B/AG/BF SW3050B

Polychlorinated Biphenyls

PCB-1016	ND	72	72	ug/Kg	2	08/06/20	SC SW8082A
PCB-1221	ND	72	72	ug/Kg	2	08/06/20	SC SW8082A
PCB-1232	ND	72	72	ug/Kg	2	08/06/20	SC SW8082A
PCB-1242	ND	72	72	ug/Kg	2	08/06/20	SC SW8082A
PCB-1248	ND	72	72	ug/Kg	2	08/06/20	SC SW8082A
PCB-1254	ND	72	72	ug/Kg	2	08/06/20	SC SW8082A
PCB-1260	ND	72	72	ug/Kg	2	08/06/20	SC SW8082A
PCB-1262	ND	72	72	ug/Kg	2	08/06/20	SC SW8082A
PCB-1268	ND	72	72	ug/Kg	2	08/06/20	SC SW8082A

QA/QC Surrogates

% DCBP	79			%	2	08/06/20	SC 30 - 150 %
% DCBP (Confirmation)	80			%	2	08/06/20	SC 30 - 150 %
% TCMX	74			%	2	08/06/20	SC 30 - 150 %
% TCMX (Confirmation)	75			%	2	08/06/20	SC 30 - 150 %

Pesticides - Soil

4,4' -DDD	ND	2.2		ug/Kg	2	08/06/20	CG SW8081B
4,4' -DDE	ND	2.3		ug/Kg	2	08/06/20	CG SW8081B
4,4' -DDT	ND	2.2		ug/Kg	2	08/06/20	CG SW8081B
a-BHC	ND	7.2		ug/Kg	2	08/06/20	CG SW8081B
a-Chlordane	ND	3.6		ug/Kg	2	08/06/20	CG SW8081B
Aldrin	ND	3.6		ug/Kg	2	08/06/20	CG SW8081B
b-BHC	ND	7.2		ug/Kg	2	08/06/20	CG SW8081B
Chlordane	ND	36		ug/Kg	2	08/06/20	CG SW8081B
d-BHC	ND	7.2		ug/Kg	2	08/06/20	CG SW8081B
Dieldrin	ND	3.6		ug/Kg	2	08/06/20	CG SW8081B
Endosulfan I	ND	7.2		ug/Kg	2	08/06/20	CG SW8081B
Endosulfan II	ND	7.2		ug/Kg	2	08/06/20	CG SW8081B
Endosulfan sulfate	ND	7.2		ug/Kg	2	08/06/20	CG SW8081B
Endrin	ND	7.2		ug/Kg	2	08/06/20	CG SW8081B
Endrin aldehyde	ND	7.2		ug/Kg	2	08/06/20	CG SW8081B
Endrin ketone	ND	7.2		ug/Kg	2	08/06/20	CG SW8081B
g-BHC	ND	1.4		ug/Kg	2	08/06/20	CG SW8081B
g-Chlordane	ND	3.6		ug/Kg	2	08/06/20	CG SW8081B
Heptachlor	ND	7.2		ug/Kg	2	08/06/20	CG SW8081B
Heptachlor epoxide	ND	7.2		ug/Kg	2	08/06/20	CG SW8081B
Methoxychlor	ND	36		ug/Kg	2	08/06/20	CG SW8081B
Toxaphene	ND	140		ug/Kg	2	08/06/20	CG SW8081B

QA/QC Surrogates

% DCBP	92			%	2	08/06/20	CG 30 - 150 %
% DCBP (Confirmation)	85			%	2	08/06/20	CG 30 - 150 %
% TCMX	88			%	2	08/06/20	CG 30 - 150 %
% TCMX (Confirmation)	86			%	2	08/06/20	CG 30 - 150 %

Volatiles

1,1,1,2-Tetrachloroethane	ND	3.4	0.68	ug/Kg	1	08/10/20	JLI SW8260C
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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By
1,1,1-Trichloroethane	ND	3.4	0.34	ug/Kg	1	08/10/20	JLI SW8260C
1,1,2,2-Tetrachloroethane	ND	3.4	0.68	ug/Kg	1	08/10/20	JLI SW8260C
1,1,2-Trichloroethane	ND	3.4	0.68	ug/Kg	1	08/10/20	JLI SW8260C
1,1-Dichloroethane	ND	3.4	0.68	ug/Kg	1	08/10/20	JLI SW8260C
1,1-Dichloroethene	ND	3.4	0.34	ug/Kg	1	08/10/20	JLI SW8260C
1,1-Dichloropropene	ND	3.4	0.34	ug/Kg	1	08/10/20	JLI SW8260C
1,2,3-Trichlorobenzene	ND	3.4	0.68	ug/Kg	1	08/10/20	JLI SW8260C
1,2,3-Trichloropropane	ND	3.4	0.34	ug/Kg	1	08/10/20	JLI SW8260C
1,2,4-Trichlorobenzene	ND	3.4	0.68	ug/Kg	1	08/10/20	JLI SW8260C
1,2,4-Trimethylbenzene	ND	3.4	0.34	ug/Kg	1	08/10/20	JLI SW8260C
1,2-Dibromo-3-chloropropane	ND	3.4	0.68	ug/Kg	1	08/10/20	JLI SW8260C
1,2-Dibromoethane	ND	1.2	0.34	ug/Kg	1	08/10/20	JLI SW8260C
1,2-Dichlorobenzene	ND	3.4	0.34	ug/Kg	1	08/10/20	JLI SW8260C
1,2-Dichloroethane	ND	3.4	0.34	ug/Kg	1	08/10/20	JLI SW8260C
1,2-Dichloropropane	ND	3.4	0.68	ug/Kg	1	08/10/20	JLI SW8260C
1,3,5-Trimethylbenzene	ND	3.4	0.34	ug/Kg	1	08/10/20	JLI SW8260C
1,3-Dichlorobenzene	ND	3.4	0.34	ug/Kg	1	08/10/20	JLI SW8260C
1,3-Dichloropropane	ND	3.4	0.68	ug/Kg	1	08/10/20	JLI SW8260C
1,4-Dichlorobenzene	ND	3.4	0.34	ug/Kg	1	08/10/20	JLI SW8260C
2,2-Dichloropropane	ND	3.4	0.34	ug/Kg	1	08/10/20	JLI SW8260C
2-Chlorotoluene	ND	3.4	0.68	ug/Kg	1	08/10/20	JLI SW8260C
2-Hexanone	ND	17	3.4	ug/Kg	1	08/10/20	JLI SW8260C
2-Isopropyltoluene	ND	3.4	0.34	ug/Kg	1	08/10/20	JLI SW8260C
4-Chlorotoluene	ND	3.4	0.34	ug/Kg	1	08/10/20	JLI SW8260C
4-Methyl-2-pentanone	ND	17	3.4	ug/Kg	1	08/10/20	JLI SW8260C
Acetone	7.1	JS 17	3.4	ug/Kg	1	08/10/20	JLI SW8260C
Acrylonitrile	ND	6.8	0.68	ug/Kg	1	08/10/20	JLI SW8260C
Benzene	ND	3.4	0.34	ug/Kg	1	08/10/20	JLI SW8260C
Bromobenzene	ND	3.4	0.34	ug/Kg	1	08/10/20	JLI SW8260C
Bromochloromethane	ND	3.4	0.34	ug/Kg	1	08/10/20	JLI SW8260C
Bromodichloromethane	ND	3.4	0.68	ug/Kg	1	08/10/20	JLI SW8260C
Bromoform	ND	3.4	0.68	ug/Kg	1	08/10/20	JLI SW8260C
Bromomethane	ND	3.4	1.4	ug/Kg	1	08/10/20	JLI SW8260C
Carbon Disulfide	ND	3.4	0.68	ug/Kg	1	08/10/20	JLI SW8260C
Carbon tetrachloride	ND	3.4	0.68	ug/Kg	1	08/10/20	JLI SW8260C
Chlorobenzene	ND	3.4	0.34	ug/Kg	1	08/10/20	JLI SW8260C
Chloroethane	ND	3.4	0.34	ug/Kg	1	08/10/20	JLI SW8260C
Chloroform	ND	3.4	0.34	ug/Kg	1	08/10/20	JLI SW8260C
Chloromethane	ND	3.4	0.68	ug/Kg	1	08/10/20	JLI SW8260C
cis-1,2-Dichloroethene	ND	3.4	0.34	ug/Kg	1	08/10/20	JLI SW8260C
cis-1,3-Dichloropropene	ND	3.4	0.34	ug/Kg	1	08/10/20	JLI SW8260C
Dibromochloromethane	ND	3.4	0.68	ug/Kg	1	08/10/20	JLI SW8260C
Dibromomethane	ND	3.4	0.68	ug/Kg	1	08/10/20	JLI SW8260C
Dichlorodifluoromethane	ND	3.4	0.34	ug/Kg	1	08/10/20	JLI SW8260C
Ethylbenzene	ND	3.4	0.34	ug/Kg	1	08/10/20	JLI SW8260C
Hexachlorobutadiene	ND	3.4	0.34	ug/Kg	1	08/10/20	JLI SW8260C
Isopropylbenzene	ND	3.4	0.34	ug/Kg	1	08/10/20	JLI SW8260C
m&p-Xylene	ND	3.4	0.68	ug/Kg	1	08/10/20	JLI SW8260C
Methyl Ethyl Ketone	ND	20	3.4	ug/Kg	1	08/10/20	JLI SW8260C

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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By
Methyl t-butyl ether (MTBE)	ND	6.8	0.68	ug/Kg	1	08/10/20	JLI SW8260C
Methylene chloride	ND	3.4	3.4	ug/Kg	1	08/10/20	JLI SW8260C
Naphthalene	ND	3.4	0.68	ug/Kg	1	08/10/20	JLI SW8260C
n-Butylbenzene	ND	3.4	0.34	ug/Kg	1	08/10/20	JLI SW8260C
n-Propylbenzene	ND	3.4	0.68	ug/Kg	1	08/10/20	JLI SW8260C
o-Xylene	ND	3.4	0.68	ug/Kg	1	08/10/20	JLI SW8260C
p-Isopropyltoluene	ND	3.4	0.34	ug/Kg	1	08/10/20	JLI SW8260C
sec-Butylbenzene	ND	3.4	0.34	ug/Kg	1	08/10/20	JLI SW8260C
Styrene	ND	3.4	0.34	ug/Kg	1	08/10/20	JLI SW8260C
tert-Butylbenzene	ND	3.4	0.34	ug/Kg	1	08/10/20	JLI SW8260C
Tetrachloroethene	ND	3.4	0.68	ug/Kg	1	08/10/20	JLI SW8260C
Tetrahydrofuran (THF)	ND	6.8	1.7	ug/Kg	1	08/10/20	JLI SW8260C
Toluene	ND	3.4	0.34	ug/Kg	1	08/10/20	JLI SW8260C
trans-1,2-Dichloroethene	ND	3.4	0.34	ug/Kg	1	08/10/20	JLI SW8260C
trans-1,3-Dichloropropene	ND	3.4	0.34	ug/Kg	1	08/10/20	JLI SW8260C
trans-1,4-dichloro-2-butene	ND	6.8	1.7	ug/Kg	1	08/10/20	JLI SW8260C
Trichloroethene	ND	3.4	0.34	ug/Kg	1	08/10/20	JLI SW8260C
Trichlorofluoromethane	ND	3.4	0.68	ug/Kg	1	08/10/20	JLI SW8260C
Trichlorotrifluoroethane	ND	3.4	0.34	ug/Kg	1	08/10/20	JLI SW8260C
Vinyl chloride	ND	3.4	0.34	ug/Kg	1	08/10/20	JLI SW8260C
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	96			%	1	08/10/20	JLI 70 - 130 %
% Bromofluorobenzene	96			%	1	08/10/20	JLI 70 - 130 %
% Dibromofluoromethane	71			%	1	08/10/20	JLI 70 - 130 %
% Toluene-d8	93			%	1	08/10/20	JLI 70 - 130 %
<u>1,4-dioxane</u>							
1,4-dioxane	ND	51		ug/kg	1	08/10/20	JLI SW8260C
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	96			%	1	08/10/20	JLI 70 - 130 %
% Bromofluorobenzene	96			%	1	08/10/20	JLI 70 - 130 %
% Dibromofluoromethane	71			%	1	08/10/20	JLI 70 - 130 %
% Toluene-d8	93			%	1	08/10/20	JLI 70 - 130 %
<u>Volatiles</u>							
1,1,1,2-Tetrachloroethane	ND	14		ug/Kg	1	08/10/20	JLI SW8260C
Acrolein	ND	1.4		ug/Kg	1	08/10/20	JLI SW8260C
Acrylonitrile	ND	14		ug/Kg	1	08/10/20	JLI SW8260C
Tert-butyl alcohol	ND	68		ug/Kg	1	08/10/20	JLI SW8260C
<u>Semivolatiles</u>							
1,2,4,5-Tetrachlorobenzene	ND	250	130	ug/Kg	1	08/06/20	WB SW8270D
1,2,4-Trichlorobenzene	ND	250	110	ug/Kg	1	08/06/20	WB SW8270D
1,2-Dichlorobenzene	ND	250	100	ug/Kg	1	08/06/20	WB SW8270D
1,2-Diphenylhydrazine	ND	250	120	ug/Kg	1	08/06/20	WB SW8270D
1,3-Dichlorobenzene	ND	250	110	ug/Kg	1	08/06/20	WB SW8270D
1,4-Dichlorobenzene	ND	250	110	ug/Kg	1	08/06/20	WB SW8270D
2,4,5-Trichlorophenol	ND	250	200	ug/Kg	1	08/06/20	WB SW8270D
2,4,6-Trichlorophenol	ND	180	120	ug/Kg	1	08/06/20	WB SW8270D
2,4-Dichlorophenol	ND	180	130	ug/Kg	1	08/06/20	WB SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By
2,4-Dimethylphenol	ND	250	90	ug/Kg	1	08/06/20	WB SW8270D
2,4-Dinitrophenol	ND	250	250	ug/Kg	1	08/06/20	WB SW8270D
2,4-Dinitrotoluene	ND	180	140	ug/Kg	1	08/06/20	WB SW8270D
2,6-Dinitrotoluene	ND	180	110	ug/Kg	1	08/06/20	WB SW8270D
2-Chloronaphthalene	ND	250	100	ug/Kg	1	08/06/20	WB SW8270D
2-Chlorophenol	ND	250	100	ug/Kg	1	08/06/20	WB SW8270D
2-Methylnaphthalene	ND	250	110	ug/Kg	1	08/06/20	WB SW8270D
2-Methylphenol (o-cresol)	ND	250	170	ug/Kg	1	08/06/20	WB SW8270D
2-Nitroaniline	ND	100	100	ug/Kg	1	08/06/20	WB SW8270D
2-Nitrophenol	ND	250	230	ug/Kg	1	08/06/20	WB SW8270D
3&4-Methylphenol (m&p-cresol)	ND	250	140	ug/Kg	1	08/06/20	WB SW8270D
3,3'-Dichlorobenzidine	ND	180	170	ug/Kg	1	08/06/20	WB SW8270D
3-Nitroaniline	ND	91	91	ug/Kg	1	08/06/20	WB SW8270D
4,6-Dinitro-2-methylphenol	ND	220	73	ug/Kg	1	08/06/20	WB SW8270D
4-Bromophenyl phenyl ether	ND	250	110	ug/Kg	1	08/06/20	WB SW8270D
4-Chloro-3-methylphenol	ND	250	130	ug/Kg	1	08/06/20	WB SW8270D
4-Chloroaniline	ND	290	170	ug/Kg	1	08/06/20	WB SW8270D
4-Chlorophenyl phenyl ether	ND	250	120	ug/Kg	1	08/06/20	WB SW8270D
4-Nitroaniline	ND	86	86	ug/Kg	1	08/06/20	WB SW8270D
4-Nitrophenol	ND	360	160	ug/Kg	1	08/06/20	WB SW8270D
Acenaphthene	ND	250	110	ug/Kg	1	08/06/20	WB SW8270D
Acenaphthylene	ND	250	100	ug/Kg	1	08/06/20	WB SW8270D
Acetophenone	ND	250	110	ug/Kg	1	08/06/20	WB SW8270D
Aniline	ND	290	290	ug/Kg	1	08/06/20	WB SW8270D
Anthracene	130	J 250	120	ug/Kg	1	08/06/20	WB SW8270D
Benz(a)anthracene	350	250	120	ug/Kg	1	08/06/20	WB SW8270D
Benzidine	ND	340	210	ug/Kg	1	08/06/20	WB SW8270D
Benzo(a)pyrene	320	180	120	ug/Kg	1	08/06/20	WB SW8270D
Benzo(b)fluoranthene	270	250	120	ug/Kg	1	08/06/20	WB SW8270D
Benzo(ghi)perylene	210	J 250	120	ug/Kg	1	08/06/20	WB SW8270D
Benzo(k)fluoranthene	270	250	120	ug/Kg	1	08/06/20	WB SW8270D
Benzoic acid	ND	1800	730	ug/Kg	1	08/06/20	WB SW8270D
Benzyl butyl phthalate	ND	250	94	ug/Kg	1	08/06/20	WB SW8270D
Bis(2-chloroethoxy)methane	ND	250	100	ug/Kg	1	08/06/20	WB SW8270D
Bis(2-chloroethyl)ether	ND	73	73	ug/Kg	1	08/06/20	WB SW8270D
Bis(2-chloroisopropyl)ether	ND	250	100	ug/Kg	1	08/06/20	WB SW8270D
Bis(2-ethylhexyl)phthalate	ND	250	100	ug/Kg	1	08/06/20	WB SW8270D
Carbazole	ND	180	150	ug/Kg	1	08/06/20	WB SW8270D
Chrysene	360	250	120	ug/Kg	1	08/06/20	WB SW8270D
Dibenz(a,h)anthracene	ND	180	120	ug/Kg	1	08/06/20	WB SW8270D
Dibenzofuran	ND	250	110	ug/Kg	1	08/06/20	WB SW8270D
Diethyl phthalate	ND	250	110	ug/Kg	1	08/06/20	WB SW8270D
Dimethylphthalate	ND	250	110	ug/Kg	1	08/06/20	WB SW8270D
Di-n-butylphthalate	ND	250	97	ug/Kg	1	08/06/20	WB SW8270D
Di-n-octylphthalate	ND	250	94	ug/Kg	1	08/06/20	WB SW8270D
Fluoranthene	740	250	120	ug/Kg	1	08/06/20	WB SW8270D
Fluorene	ND	250	120	ug/Kg	1	08/06/20	WB SW8270D
Hexachlorobenzene	ND	180	110	ug/Kg	1	08/06/20	WB SW8270D
Hexachlorobutadiene	ND	250	130	ug/Kg	1	08/06/20	WB SW8270D

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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	
Hexachlorocyclopentadiene	ND	250	110	ug/Kg	1	08/06/20	WB	SW8270D
Hexachloroethane	ND	180	110	ug/Kg	1	08/06/20	WB	SW8270D
Indeno(1,2,3-cd)pyrene	200	J 250	120	ug/Kg	1	08/06/20	WB	SW8270D
Isophorone	ND	180	100	ug/Kg	1	08/06/20	WB	SW8270D
Naphthalene	ND	250	100	ug/Kg	1	08/06/20	WB	SW8270D
Nitrobenzene	ND	180	130	ug/Kg	1	08/06/20	WB	SW8270D
N-Nitrosodimethylamine	ND	73	73	ug/Kg	1	08/06/20	WB	SW8270D
N-Nitrosodi-n-propylamine	ND	73	73	ug/Kg	1	08/06/20	WB	SW8270D
N-Nitrosodiphenylamine	ND	250	140	ug/Kg	1	08/06/20	WB	SW8270D
Pentachloronitrobenzene	ND	250	140	ug/Kg	1	08/06/20	WB	SW8270D
Pentachlorophenol	ND	220	140	ug/Kg	1	08/06/20	WB	SW8270D
Phenanthrene	280	250	100	ug/Kg	1	08/06/20	WB	SW8270D
Phenol	ND	250	120	ug/Kg	1	08/06/20	WB	SW8270D
Pyrene	680	250	130	ug/Kg	1	08/06/20	WB	SW8270D
Pyridine	ND	220	89	ug/Kg	1	08/06/20	WB	SW8270D
<u>QA/QC Surrogates</u>								
% 2,4,6-Tribromophenol	28			%	1	08/06/20	WB	30 - 130 % 3
% 2-Fluorobiphenyl	80			%	1	08/06/20	WB	30 - 130 %
% 2-Fluorophenol	37			%	1	08/06/20	WB	30 - 130 %
% Nitrobenzene-d5	73			%	1	08/06/20	WB	30 - 130 %
% Phenol-d5	76			%	1	08/06/20	WB	30 - 130 %
% Terphenyl-d14	86			%	1	08/06/20	WB	30 - 130 %
Field Extraction	Completed					08/04/20		SW5035A 1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By
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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 (preceded 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-dinitrophenol, 4,6-Dinitro-2-methylphenol, and Benzidine.

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

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

Semi-Volatile Comment:

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

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.

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

S - Laboratory solvent, contamination is possible.

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



Phyllis Shiller, Laboratory Director

August 11, 2020

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



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



Analysis Report

August 11, 2020

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

Sample Information

Matrix: SOIL
Location Code: EBC
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by: DM
Received by: B
Analyzed by: see "By" below

Date

08/04/20
08/05/20

Time

10:30
16:20

Laboratory Data

SDG ID: GCG48033
Phoenix ID: CG48035

Project ID: 316 HUGUENOT ST NEW ROCHELLE NY
Client ID: 316B3 FILL

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.34	0.34		mg/Kg	1	08/06/20	CPP	SW6010D
Aluminum	9310	34		mg/Kg	10	08/06/20	CPP	SW6010D
Arsenic	4.91	0.68		mg/Kg	1	08/06/20	CPP	SW6010D
Barium	102	0.7		mg/Kg	1	08/06/20	CPP	SW6010D
Beryllium	0.46	0.27		mg/Kg	1	08/06/20	CPP	SW6010D
Calcium	8420	3.4		mg/Kg	1	08/06/20	CPP	SW6010D
Cadmium	1.05	0.34		mg/Kg	1	08/06/20	CPP	SW6010D
Cobalt	7.29	0.34		mg/Kg	1	08/06/20	CPP	SW6010D
Chromium	17.6	0.34		mg/Kg	1	08/06/20	CPP	SW6010D
Copper	41.7	0.7		mg/kg	1	08/06/20	CPP	SW6010D
Iron	14200	34		mg/Kg	10	08/06/20	CPP	SW6010D
Mercury	0.33	0.03		mg/Kg	2	08/06/20	RS	SW7471B
Potassium	1070	7		mg/Kg	1	08/06/20	CPP	SW6010D
Magnesium	2340	3.4		mg/Kg	1	08/06/20	CPP	SW6010D
Manganese	259	3.4		mg/Kg	10	08/06/20	CPP	SW6010D
Sodium	337	7		mg/Kg	1	08/06/20	CPP	SW6010D
Nickel	18.4	0.34		mg/Kg	1	08/06/20	CPP	SW6010D
Lead	276	0.7		mg/Kg	1	08/06/20	CPP	SW6010D
Antimony	< 3.4	3.4		mg/Kg	1	08/06/20	CPP	SW6010D
Selenium	< 1.4	1.4		mg/Kg	1	08/06/20	CPP	SW6010D
Thallium	< 1.4	1.4		mg/Kg	1	08/06/20	CPP	SW6010D
Vanadium	24.3	0.34		mg/Kg	1	08/06/20	CPP	SW6010D
Zinc	149	0.7		mg/Kg	1	08/06/20	CPP	SW6010D
Percent Solid	86			%		08/05/20	HB	SW846-%Solid
Soil Extraction for PCB	Completed					08/05/20	L/E	SW3545A
Soil Extraction for PCB	Completed					08/05/20	L/E	SW3545A
Soil Extraction for Pesticides	Completed					08/05/20	L/E	SW3545A
Mercury Digestion	Completed					08/06/20	VT/VT	SW7471B

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By
Soil Extraction for SVOA	Completed					08/05/20	R/M SW3546
Total Metals Digest	Completed					08/05/20	B/AG/BF SW3050B

Polychlorinated Biphenyls

PCB-1016	ND	76	76	ug/Kg	2	08/06/20	SC SW8082A
PCB-1221	ND	76	76	ug/Kg	2	08/06/20	SC SW8082A
PCB-1232	ND	76	76	ug/Kg	2	08/06/20	SC SW8082A
PCB-1242	ND	76	76	ug/Kg	2	08/06/20	SC SW8082A
PCB-1248	ND	76	76	ug/Kg	2	08/06/20	SC SW8082A
PCB-1254	ND	76	76	ug/Kg	2	08/06/20	SC SW8082A
PCB-1260	ND	76	76	ug/Kg	2	08/06/20	SC SW8082A
PCB-1262	ND	76	76	ug/Kg	2	08/06/20	SC SW8082A
PCB-1268	ND	76	76	ug/Kg	2	08/06/20	SC SW8082A

QA/QC Surrogates

% DCBP	70			%	2	08/06/20	SC 30 - 150 %
% DCBP (Confirmation)	62			%	2	08/06/20	SC 30 - 150 %
% TCMX	67			%	2	08/06/20	SC 30 - 150 %
% TCMX (Confirmation)	66			%	2	08/06/20	SC 30 - 150 %

Pesticides - Soil

4,4' -DDD	ND	2.3		ug/Kg	2	08/06/20	CG SW8081B
4,4' -DDE	ND	2.3		ug/Kg	2	08/06/20	CG SW8081B
4,4' -DDT	ND	2.3		ug/Kg	2	08/06/20	CG SW8081B
a-BHC	ND	7.6		ug/Kg	2	08/06/20	CG SW8081B
a-Chlordane	ND	3.8		ug/Kg	2	08/06/20	CG SW8081B
Aldrin	ND	3.8		ug/Kg	2	08/06/20	CG SW8081B
b-BHC	ND	7.6		ug/Kg	2	08/06/20	CG SW8081B
Chlordane	ND	38		ug/Kg	2	08/06/20	CG SW8081B
d-BHC	ND	7.6		ug/Kg	2	08/06/20	CG SW8081B
Dieldrin	ND	3.8		ug/Kg	2	08/06/20	CG SW8081B
Endosulfan I	ND	7.6		ug/Kg	2	08/06/20	CG SW8081B
Endosulfan II	ND	7.6		ug/Kg	2	08/06/20	CG SW8081B
Endosulfan sulfate	ND	7.6		ug/Kg	2	08/06/20	CG SW8081B
Endrin	ND	7.6		ug/Kg	2	08/06/20	CG SW8081B
Endrin aldehyde	ND	7.6		ug/Kg	2	08/06/20	CG SW8081B
Endrin ketone	ND	7.6		ug/Kg	2	08/06/20	CG SW8081B
g-BHC	ND	1.5		ug/Kg	2	08/06/20	CG SW8081B
g-Chlordane	ND	3.8		ug/Kg	2	08/06/20	CG SW8081B
Heptachlor	ND	7.6		ug/Kg	2	08/06/20	CG SW8081B
Heptachlor epoxide	ND	7.6		ug/Kg	2	08/06/20	CG SW8081B
Methoxychlor	ND	38		ug/Kg	2	08/06/20	CG SW8081B
Toxaphene	ND	150		ug/Kg	2	08/06/20	CG SW8081B

QA/QC Surrogates

% DCBP	82			%	2	08/06/20	CG 30 - 150 %
% DCBP (Confirmation)	72			%	2	08/06/20	CG 30 - 150 %
% TCMX	83			%	2	08/06/20	CG 30 - 150 %
% TCMX (Confirmation)	67			%	2	08/06/20	CG 30 - 150 %

Volatiles

1,1,1,2-Tetrachloroethane	ND	4.9	0.99	ug/Kg	1	08/09/20	JLI SW8260C
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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By
1,1,1-Trichloroethane	ND	4.9	0.49	ug/Kg	1	08/09/20	JLI SW8260C
1,1,2,2-Tetrachloroethane	ND	4.9	0.99	ug/Kg	1	08/09/20	JLI SW8260C
1,1,2-Trichloroethane	ND	4.9	0.99	ug/Kg	1	08/09/20	JLI SW8260C
1,1-Dichloroethane	ND	4.9	0.99	ug/Kg	1	08/09/20	JLI SW8260C
1,1-Dichloroethene	ND	4.9	0.49	ug/Kg	1	08/09/20	JLI SW8260C
1,1-Dichloropropene	ND	4.9	0.49	ug/Kg	1	08/09/20	JLI SW8260C
1,2,3-Trichlorobenzene	ND	4.9	0.99	ug/Kg	1	08/09/20	JLI SW8260C
1,2,3-Trichloropropane	ND	4.9	0.49	ug/Kg	1	08/09/20	JLI SW8260C
1,2,4-Trichlorobenzene	ND	4.9	0.99	ug/Kg	1	08/09/20	JLI SW8260C
1,2,4-Trimethylbenzene	ND	4.9	0.49	ug/Kg	1	08/09/20	JLI SW8260C
1,2-Dibromo-3-chloropropane	ND	4.9	0.99	ug/Kg	1	08/09/20	JLI SW8260C
1,2-Dibromoethane	ND	1.2	0.49	ug/Kg	1	08/09/20	JLI SW8260C
1,2-Dichlorobenzene	ND	4.9	0.49	ug/Kg	1	08/09/20	JLI SW8260C
1,2-Dichloroethane	ND	4.9	0.49	ug/Kg	1	08/09/20	JLI SW8260C
1,2-Dichloropropane	ND	4.9	0.99	ug/Kg	1	08/09/20	JLI SW8260C
1,3,5-Trimethylbenzene	ND	4.9	0.49	ug/Kg	1	08/09/20	JLI SW8260C
1,3-Dichlorobenzene	ND	4.9	0.49	ug/Kg	1	08/09/20	JLI SW8260C
1,3-Dichloropropane	ND	4.9	0.99	ug/Kg	1	08/09/20	JLI SW8260C
1,4-Dichlorobenzene	ND	4.9	0.49	ug/Kg	1	08/09/20	JLI SW8260C
2,2-Dichloropropane	ND	4.9	0.49	ug/Kg	1	08/09/20	JLI SW8260C
2-Chlorotoluene	ND	4.9	0.99	ug/Kg	1	08/09/20	JLI SW8260C
2-Hexanone	ND	25	4.9	ug/Kg	1	08/09/20	JLI SW8260C
2-Isopropyltoluene	ND	4.9	0.49	ug/Kg	1	08/09/20	JLI SW8260C
4-Chlorotoluene	ND	4.9	0.49	ug/Kg	1	08/09/20	JLI SW8260C
4-Methyl-2-pentanone	ND	25	4.9	ug/Kg	1	08/09/20	JLI SW8260C
Acetone	5.0	JS 25	4.9	ug/Kg	1	08/09/20	JLI SW8260C
Acrylonitrile	ND	9.9	0.99	ug/Kg	1	08/09/20	JLI SW8260C
Benzene	ND	4.9	0.49	ug/Kg	1	08/09/20	JLI SW8260C
Bromobenzene	ND	4.9	0.49	ug/Kg	1	08/09/20	JLI SW8260C
Bromochloromethane	ND	4.9	0.49	ug/Kg	1	08/09/20	JLI SW8260C
Bromodichloromethane	ND	4.9	0.99	ug/Kg	1	08/09/20	JLI SW8260C
Bromoform	ND	4.9	0.99	ug/Kg	1	08/09/20	JLI SW8260C
Bromomethane	ND	4.9	2.0	ug/Kg	1	08/09/20	JLI SW8260C
Carbon Disulfide	ND	4.9	0.99	ug/Kg	1	08/09/20	JLI SW8260C
Carbon tetrachloride	ND	4.9	0.99	ug/Kg	1	08/09/20	JLI SW8260C
Chlorobenzene	ND	4.9	0.49	ug/Kg	1	08/09/20	JLI SW8260C
Chloroethane	ND	4.9	0.49	ug/Kg	1	08/09/20	JLI SW8260C
Chloroform	ND	4.9	0.49	ug/Kg	1	08/09/20	JLI SW8260C
Chloromethane	ND	4.9	0.99	ug/Kg	1	08/09/20	JLI SW8260C
cis-1,2-Dichloroethene	ND	4.9	0.49	ug/Kg	1	08/09/20	JLI SW8260C
cis-1,3-Dichloropropene	ND	4.9	0.49	ug/Kg	1	08/09/20	JLI SW8260C
Dibromochloromethane	ND	4.9	0.99	ug/Kg	1	08/09/20	JLI SW8260C
Dibromomethane	ND	4.9	0.99	ug/Kg	1	08/09/20	JLI SW8260C
Dichlorodifluoromethane	ND	4.9	0.49	ug/Kg	1	08/09/20	JLI SW8260C
Ethylbenzene	ND	4.9	0.49	ug/Kg	1	08/09/20	JLI SW8260C
Hexachlorobutadiene	ND	4.9	0.49	ug/Kg	1	08/09/20	JLI SW8260C
Isopropylbenzene	ND	4.9	0.49	ug/Kg	1	08/09/20	JLI SW8260C
m&p-Xylene	ND	4.9	0.99	ug/Kg	1	08/09/20	JLI SW8260C
Methyl Ethyl Ketone	ND	30	4.9	ug/Kg	1	08/09/20	JLI SW8260C

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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By
Methyl t-butyl ether (MTBE)	ND	9.9	0.99	ug/Kg	1	08/09/20	JLI SW8260C
Methylene chloride	ND	4.9	4.9	ug/Kg	1	08/09/20	JLI SW8260C
Naphthalene	ND	4.9	0.99	ug/Kg	1	08/09/20	JLI SW8260C
n-Butylbenzene	ND	4.9	0.49	ug/Kg	1	08/09/20	JLI SW8260C
n-Propylbenzene	ND	4.9	0.99	ug/Kg	1	08/09/20	JLI SW8260C
o-Xylene	ND	4.9	0.99	ug/Kg	1	08/09/20	JLI SW8260C
p-Isopropyltoluene	ND	4.9	0.49	ug/Kg	1	08/09/20	JLI SW8260C
sec-Butylbenzene	ND	4.9	0.49	ug/Kg	1	08/09/20	JLI SW8260C
Styrene	ND	4.9	0.49	ug/Kg	1	08/09/20	JLI SW8260C
tert-Butylbenzene	ND	4.9	0.49	ug/Kg	1	08/09/20	JLI SW8260C
Tetrachloroethene	ND	4.9	0.99	ug/Kg	1	08/09/20	JLI SW8260C
Tetrahydrofuran (THF)	ND	9.9	2.5	ug/Kg	1	08/09/20	JLI SW8260C
Toluene	ND	4.9	0.49	ug/Kg	1	08/09/20	JLI SW8260C
trans-1,2-Dichloroethene	ND	4.9	0.49	ug/Kg	1	08/09/20	JLI SW8260C
trans-1,3-Dichloropropene	ND	4.9	0.49	ug/Kg	1	08/09/20	JLI SW8260C
trans-1,4-dichloro-2-butene	ND	9.9	2.5	ug/Kg	1	08/09/20	JLI SW8260C
Trichloroethene	ND	4.9	0.49	ug/Kg	1	08/09/20	JLI SW8260C
Trichlorofluoromethane	ND	4.9	0.99	ug/Kg	1	08/09/20	JLI SW8260C
Trichlorotrifluoroethane	ND	4.9	0.49	ug/Kg	1	08/09/20	JLI SW8260C
Vinyl chloride	ND	4.9	0.49	ug/Kg	1	08/09/20	JLI SW8260C
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	100			%	1	08/09/20	JLI 70 - 130 %
% Bromofluorobenzene	99			%	1	08/09/20	JLI 70 - 130 %
% Dibromofluoromethane	94			%	1	08/09/20	JLI 70 - 130 %
% Toluene-d8	101			%	1	08/09/20	JLI 70 - 130 %
<u>1,4-dioxane</u>							
1,4-dioxane	ND	74		ug/kg	1	08/09/20	JLI SW8260C
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	100			%	1	08/09/20	JLI 70 - 130 %
% Bromofluorobenzene	99			%	1	08/09/20	JLI 70 - 130 %
% Dibromofluoromethane	94			%	1	08/09/20	JLI 70 - 130 %
% Toluene-d8	101			%	1	08/09/20	JLI 70 - 130 %
<u>Volatiles</u>							
1,1,1,2-Tetrachloroethane	ND	20		ug/Kg	1	08/09/20	JLI SW8260C
Acrolein	ND	1.4		ug/Kg	1	08/09/20	JLI SW8260C
Acrylonitrile	ND	20		ug/Kg	1	08/09/20	JLI SW8260C
Tert-butyl alcohol	ND	99		ug/Kg	1	08/09/20	JLI SW8260C
<u>Semivolatiles</u>							
1,2,4,5-Tetrachlorobenzene	ND	270	140	ug/Kg	1	08/06/20	WB SW8270D
1,2,4-Trichlorobenzene	ND	270	120	ug/Kg	1	08/06/20	WB SW8270D
1,2-Dichlorobenzene	ND	270	110	ug/Kg	1	08/06/20	WB SW8270D
1,2-Diphenylhydrazine	ND	270	130	ug/Kg	1	08/06/20	WB SW8270D
1,3-Dichlorobenzene	ND	270	110	ug/Kg	1	08/06/20	WB SW8270D
1,4-Dichlorobenzene	ND	270	110	ug/Kg	1	08/06/20	WB SW8270D
2,4,5-Trichlorophenol	ND	270	210	ug/Kg	1	08/06/20	WB SW8270D
2,4,6-Trichlorophenol	ND	190	120	ug/Kg	1	08/06/20	WB SW8270D
2,4-Dichlorophenol	ND	190	140	ug/Kg	1	08/06/20	WB SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By
2,4-Dimethylphenol	ND	270	96	ug/Kg	1	08/06/20	WB SW8270D
2,4-Dinitrophenol	ND	270	270	ug/Kg	1	08/06/20	WB SW8270D
2,4-Dinitrotoluene	ND	190	150	ug/Kg	1	08/06/20	WB SW8270D
2,6-Dinitrotoluene	ND	190	120	ug/Kg	1	08/06/20	WB SW8270D
2-Chloronaphthalene	ND	270	110	ug/Kg	1	08/06/20	WB SW8270D
2-Chlorophenol	ND	270	110	ug/Kg	1	08/06/20	WB SW8270D
2-Methylnaphthalene	240	J 270	110	ug/Kg	1	08/06/20	WB SW8270D
2-Methylphenol (o-cresol)	ND	270	180	ug/Kg	1	08/06/20	WB SW8270D
2-Nitroaniline	ND	100	100	ug/Kg	1	08/06/20	WB SW8270D
2-Nitrophenol	ND	270	240	ug/Kg	1	08/06/20	WB SW8270D
3&4-Methylphenol (m&p-cresol)	ND	270	150	ug/Kg	1	08/06/20	WB SW8270D
3,3'-Dichlorobenzidine	ND	190	180	ug/Kg	1	08/06/20	WB SW8270D
3-Nitroaniline	ND	91	91	ug/Kg	1	08/06/20	WB SW8270D
4,6-Dinitro-2-methylphenol	ND	230	77	ug/Kg	1	08/06/20	WB SW8270D
4-Bromophenyl phenyl ether	ND	270	110	ug/Kg	1	08/06/20	WB SW8270D
4-Chloro-3-methylphenol	ND	270	140	ug/Kg	1	08/06/20	WB SW8270D
4-Chloroaniline	ND	310	180	ug/Kg	1	08/06/20	WB SW8270D
4-Chlorophenyl phenyl ether	ND	270	130	ug/Kg	1	08/06/20	WB SW8270D
4-Nitroaniline	ND	86	86	ug/Kg	1	08/06/20	WB SW8270D
4-Nitrophenol	ND	390	170	ug/Kg	1	08/06/20	WB SW8270D
Acenaphthene	1700	270	120	ug/Kg	1	08/06/20	WB SW8270D
Acenaphthylene	190	J 270	110	ug/Kg	1	08/06/20	WB SW8270D
Acetophenone	ND	270	120	ug/Kg	1	08/06/20	WB SW8270D
Aniline	ND	310	310	ug/Kg	1	08/06/20	WB SW8270D
Anthracene	2900	270	130	ug/Kg	1	08/06/20	WB SW8270D
Benz(a)anthracene	6100	270	130	ug/Kg	1	08/06/20	WB SW8270D
Benzidine	ND	340	230	ug/Kg	1	08/06/20	WB SW8270D
Benzo(a)pyrene	5300	190	130	ug/Kg	1	08/06/20	WB SW8270D
Benzo(b)fluoranthene	5700	270	130	ug/Kg	1	08/06/20	WB SW8270D
Benzo(ghi)perylene	2800	270	120	ug/Kg	1	08/06/20	WB SW8270D
Benzo(k)fluoranthene	3400	270	130	ug/Kg	1	08/06/20	WB SW8270D
Benzoic acid	ND	1900	770	ug/Kg	1	08/06/20	WB SW8270D
Benzyl butyl phthalate	ND	270	99	ug/Kg	1	08/06/20	WB SW8270D
Bis(2-chloroethoxy)methane	ND	270	110	ug/Kg	1	08/06/20	WB SW8270D
Bis(2-chloroethyl)ether	ND	77	77	ug/Kg	1	08/06/20	WB SW8270D
Bis(2-chloroisopropyl)ether	ND	270	110	ug/Kg	1	08/06/20	WB SW8270D
Bis(2-ethylhexyl)phthalate	ND	270	110	ug/Kg	1	08/06/20	WB SW8270D
Carbazole	1500	190	150	ug/Kg	1	08/06/20	WB SW8270D
Chrysene	6000	270	130	ug/Kg	1	08/06/20	WB SW8270D
Dibenz(a,h)anthracene	1000	190	120	ug/Kg	1	08/06/20	WB SW8270D
Dibenzofuran	760	270	110	ug/Kg	1	08/06/20	WB SW8270D
Diethyl phthalate	ND	270	120	ug/Kg	1	08/06/20	WB SW8270D
Dimethylphthalate	ND	270	120	ug/Kg	1	08/06/20	WB SW8270D
Di-n-butylphthalate	ND	270	100	ug/Kg	1	08/06/20	WB SW8270D
Di-n-octylphthalate	ND	270	99	ug/Kg	1	08/06/20	WB SW8270D
Fluoranthene	17000	2700	1200	ug/Kg	10	08/06/20	WB SW8270D
Fluorene	1300	270	130	ug/Kg	1	08/06/20	WB SW8270D
Hexachlorobenzene	ND	190	110	ug/Kg	1	08/06/20	WB SW8270D
Hexachlorobutadiene	ND	270	140	ug/Kg	1	08/06/20	WB SW8270D

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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By
Hexachlorocyclopentadiene	ND	270	120	ug/Kg	1	08/06/20	WB SW8270D
Hexachloroethane	ND	190	120	ug/Kg	1	08/06/20	WB SW8270D
Indeno(1,2,3-cd)pyrene	3200	270	130	ug/Kg	1	08/06/20	WB SW8270D
Isophorone	ND	190	110	ug/Kg	1	08/06/20	WB SW8270D
Naphthalene	610	270	110	ug/Kg	1	08/06/20	WB SW8270D
Nitrobenzene	ND	190	130	ug/Kg	1	08/06/20	WB SW8270D
N-Nitrosodimethylamine	ND	77	77	ug/Kg	1	08/06/20	WB SW8270D
N-Nitrosodi-n-propylamine	ND	77	77	ug/Kg	1	08/06/20	WB SW8270D
N-Nitrosodiphenylamine	ND	270	150	ug/Kg	1	08/06/20	WB SW8270D
Pentachloronitrobenzene	ND	270	140	ug/Kg	1	08/06/20	WB SW8270D
Pentachlorophenol	ND	230	150	ug/Kg	1	08/06/20	WB SW8270D
Phenanthrene	16000	2700	1100	ug/Kg	10	08/06/20	WB SW8270D
Phenol	ND	270	120	ug/Kg	1	08/06/20	WB SW8270D
Pyrene	14000	2700	1300	ug/Kg	10	08/06/20	WB SW8270D
Pyridine	ND	220	95	ug/Kg	1	08/06/20	WB SW8270D
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	43			%	1	08/06/20	WB 30 - 130 %
% 2-Fluorobiphenyl	81			%	1	08/06/20	WB 30 - 130 %
% 2-Fluorophenol	64			%	1	08/06/20	WB 30 - 130 %
% Nitrobenzene-d5	77			%	1	08/06/20	WB 30 - 130 %
% Phenol-d5	77			%	1	08/06/20	WB 30 - 130 %
% Terphenyl-d14	88			%	1	08/06/20	WB 30 - 130 %
% 2,4,6-Tribromophenol (10x)	Diluted Out			%	10	08/06/20	WB 30 - 130 %
% 2-Fluorobiphenyl (10x)	Diluted Out			%	10	08/06/20	WB 30 - 130 %
% 2-Fluorophenol (10x)	Diluted Out			%	10	08/06/20	WB 30 - 130 %
% Nitrobenzene-d5 (10x)	Diluted Out			%	10	08/06/20	WB 30 - 130 %
% Phenol-d5 (10x)	Diluted Out			%	10	08/06/20	WB 30 - 130 %
% Terphenyl-d14 (10x)	Diluted Out			%	10	08/06/20	WB 30 - 130 %
Field Extraction	Completed					08/04/20	SW5035A

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By
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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 (preceded 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-dinitrophenol, 4,6-Dinitro-2-methylphenol, and Benzidine.

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

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

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.

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

S - Laboratory solvent, contamination is possible.

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



Phyllis Shiller, Laboratory Director

August 11, 2020

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



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



Analysis Report

August 11, 2020

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

Sample Information

Matrix: SOIL
Location Code: EBC
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by: DM
Received by: B
Analyzed by: see "By" below

Date

08/04/20
08/05/20

Time

8:49
16:20

Laboratory Data

SDG ID: GCG48033
Phoenix ID: CG48036

Project ID: 316 HUGUENOT ST NEW ROCHELLE NY
Client ID: 316B4 FILL

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.37	0.37		mg/Kg	1	08/06/20	CPP	SW6010D
Aluminum	7160	37		mg/Kg	10	08/06/20	CPP	SW6010D
Arsenic	16.9	0.74		mg/Kg	1	08/06/20	CPP	SW6010D
Barium	230	0.7		mg/Kg	1	08/06/20	CPP	SW6010D
Beryllium	< 0.30	0.30		mg/Kg	1	08/06/20	CPP	SW6010D
Calcium	95100	37		mg/Kg	10	08/06/20	CPP	SW6010D
Cadmium	2.03	0.37		mg/Kg	1	08/06/20	CPP	SW6010D
Cobalt	6.25	0.37		mg/Kg	1	08/06/20	CPP	SW6010D
Chromium	16.7	0.37		mg/Kg	1	08/06/20	CPP	SW6010D
Copper	77.1	0.7		mg/kg	1	08/06/20	CPP	SW6010D
Iron	15100	37		mg/Kg	10	08/06/20	CPP	SW6010D
Mercury	0.30	0.03		mg/Kg	2	08/06/20	RS	SW7471B
Potassium	1570	7		mg/Kg	1	08/06/20	CPP	SW6010D
Magnesium	47300	37		mg/Kg	10	08/06/20	CPP	SW6010D
Manganese	247	3.7		mg/Kg	10	08/06/20	CPP	SW6010D
Sodium	494	7		mg/Kg	1	08/06/20	CPP	SW6010D
Nickel	16.1	0.37		mg/Kg	1	08/06/20	CPP	SW6010D
Lead	518	0.7		mg/Kg	1	08/06/20	CPP	SW6010D
Antimony	< 3.7	3.7		mg/Kg	1	08/06/20	CPP	SW6010D
Selenium	< 1.5	1.5		mg/Kg	1	08/06/20	CPP	SW6010D
Thallium	< 1.5	1.5		mg/Kg	1	08/06/20	CPP	SW6010D
Vanadium	32.5	0.37		mg/Kg	1	08/06/20	CPP	SW6010D
Zinc	268	0.7		mg/Kg	1	08/06/20	CPP	SW6010D
Percent Solid	89			%		08/05/20	HB	SW846-%Solid
Soil Extraction for PCB	Completed					08/05/20	L/E	SW3545A
Soil Extraction for PCB	Completed					08/05/20	L/E	SW3545A
Soil Extraction for Pesticides	Completed					08/05/20	L/E	SW3545A
Mercury Digestion	Completed					08/06/20	VT/VT	SW7471B

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By
Soil Extraction for SVOA	Completed					08/05/20	R/M SW3546
Total Metals Digest	Completed					08/05/20	B/AG/BF SW3050B

Polychlorinated Biphenyls

PCB-1016	ND	74	74	ug/Kg	2	08/10/20	SC SW8082A
PCB-1221	ND	74	74	ug/Kg	2	08/10/20	SC SW8082A
PCB-1232	ND	74	74	ug/Kg	2	08/10/20	SC SW8082A
PCB-1242	ND	74	74	ug/Kg	2	08/10/20	SC SW8082A
PCB-1248	ND	74	74	ug/Kg	2	08/10/20	SC SW8082A
PCB-1254	ND	74	74	ug/Kg	2	08/10/20	SC SW8082A
PCB-1260	ND	74	74	ug/Kg	2	08/10/20	SC SW8082A
PCB-1262	ND	74	74	ug/Kg	2	08/10/20	SC SW8082A
PCB-1268	ND	74	74	ug/Kg	2	08/10/20	SC SW8082A

QA/QC Surrogates

% DCBP	69			%	2	08/10/20	SC 30 - 150 %
% DCBP (Confirmation)	68			%	2	08/10/20	SC 30 - 150 %
% TCMX	63			%	2	08/10/20	SC 30 - 150 %
% TCMX (Confirmation)	66			%	2	08/10/20	SC 30 - 150 %

Pesticides - Soil

4,4' -DDD	ND	2.2		ug/Kg	2	08/10/20	CG SW8081B
4,4' -DDE	ND	2.8		ug/Kg	2	08/10/20	CG SW8081B
4,4' -DDT	ND	2.2		ug/Kg	2	08/10/20	CG SW8081B
a-BHC	ND	7.4		ug/Kg	2	08/10/20	CG SW8081B
a-Chlordane	ND	3.7		ug/Kg	2	08/10/20	CG SW8081B
Aldrin	ND	3.7		ug/Kg	2	08/10/20	CG SW8081B
b-BHC	ND	7.4		ug/Kg	2	08/10/20	CG SW8081B
Chlordane	ND	37		ug/Kg	2	08/10/20	CG SW8081B
d-BHC	ND	38		ug/Kg	2	08/10/20	CG SW8081B
Dieldrin	ND	3.7		ug/Kg	2	08/10/20	CG SW8081B
Endosulfan I	ND	7.4		ug/Kg	2	08/10/20	CG SW8081B
Endosulfan II	ND	7.4		ug/Kg	2	08/10/20	CG SW8081B
Endosulfan sulfate	ND	7.4		ug/Kg	2	08/10/20	CG SW8081B
Endrin	ND	7.4		ug/Kg	2	08/10/20	CG SW8081B
Endrin aldehyde	ND	7.4		ug/Kg	2	08/10/20	CG SW8081B
Endrin ketone	ND	7.4		ug/Kg	2	08/10/20	CG SW8081B
g-BHC	ND	1.5		ug/Kg	2	08/10/20	CG SW8081B
g-Chlordane	ND	3.7		ug/Kg	2	08/10/20	CG SW8081B
Heptachlor	ND	7.4		ug/Kg	2	08/10/20	CG SW8081B
Heptachlor epoxide	ND	7.4		ug/Kg	2	08/10/20	CG SW8081B
Methoxychlor	ND	37		ug/Kg	2	08/10/20	CG SW8081B
Toxaphene	ND	150		ug/Kg	2	08/10/20	CG SW8081B

QA/QC Surrogates

% DCBP	86			%	2	08/10/20	CG 30 - 150 %
% DCBP (Confirmation)	68			%	2	08/10/20	CG 30 - 150 %
% TCMX	91			%	2	08/10/20	CG 30 - 150 %
% TCMX (Confirmation)	64			%	2	08/10/20	CG 30 - 150 %

Volatiles

1,1,1,2-Tetrachloroethane	ND	260	52	ug/Kg	50	08/08/20	JLI SW8260C
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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By
1,1,1-Trichloroethane	ND	260	26	ug/Kg	50	08/08/20	JLI SW8260C
1,1,2,2-Tetrachloroethane	ND	52	52	ug/Kg	50	08/08/20	JLI SW8260C
1,1,2-Trichloroethane	ND	150	52	ug/Kg	50	08/08/20	JLI SW8260C
1,1-Dichloroethane	ND	260	52	ug/Kg	50	08/08/20	JLI SW8260C
1,1-Dichloroethene	ND	190	26	ug/Kg	50	08/08/20	JLI SW8260C
1,1-Dichloropropene	ND	260	26	ug/Kg	50	08/08/20	JLI SW8260C
1,2,3-Trichlorobenzene	ND	260	52	ug/Kg	50	08/08/20	JLI SW8260C
1,2,3-Trichloropropane	ND	260	26	ug/Kg	50	08/08/20	JLI SW8260C
1,2,4-Trichlorobenzene	ND	260	52	ug/Kg	50	08/08/20	JLI SW8260C
1,2,4-Trimethylbenzene	ND	260	26	ug/Kg	50	08/08/20	JLI SW8260C
1,2-Dibromo-3-chloropropane	ND	52	52	ug/Kg	50	08/08/20	JLI SW8260C
1,2-Dibromoethane	ND	26	26	ug/Kg	50	08/08/20	JLI SW8260C
1,2-Dichlorobenzene	ND	260	26	ug/Kg	50	08/08/20	JLI SW8260C
1,2-Dichloroethane	ND	26	26	ug/Kg	50	08/08/20	JLI SW8260C
1,2-Dichloropropane	ND	110	52	ug/Kg	50	08/08/20	JLI SW8260C
1,3,5-Trimethylbenzene	ND	260	26	ug/Kg	50	08/08/20	JLI SW8260C
1,3-Dichlorobenzene	ND	260	26	ug/Kg	50	08/08/20	JLI SW8260C
1,3-Dichloropropane	ND	260	52	ug/Kg	50	08/08/20	JLI SW8260C
1,4-Dichlorobenzene	ND	260	26	ug/Kg	50	08/08/20	JLI SW8260C
2,2-Dichloropropane	ND	260	26	ug/Kg	50	08/08/20	JLI SW8260C
2-Chlorotoluene	ND	260	52	ug/Kg	50	08/08/20	JLI SW8260C
2-Hexanone	ND	1300	260	ug/Kg	50	08/08/20	JLI SW8260C
2-Isopropyltoluene	ND	260	26	ug/Kg	50	08/08/20	JLI SW8260C
4-Chlorotoluene	ND	260	26	ug/Kg	50	08/08/20	JLI SW8260C
4-Methyl-2-pentanone	ND	1300	260	ug/Kg	50	08/08/20	JLI SW8260C
Acetone	ND	260	260	ug/Kg	50	08/08/20	JLI SW8260C
Acrylonitrile	ND	52	52	ug/Kg	50	08/08/20	JLI SW8260C
Benzene	ND	60	26	ug/Kg	50	08/08/20	JLI SW8260C
Bromobenzene	ND	260	26	ug/Kg	50	08/08/20	JLI SW8260C
Bromochloromethane	ND	260	26	ug/Kg	50	08/08/20	JLI SW8260C
Bromodichloromethane	ND	260	52	ug/Kg	50	08/08/20	JLI SW8260C
Bromoform	ND	260	52	ug/Kg	50	08/08/20	JLI SW8260C
Bromomethane	ND	260	100	ug/Kg	50	08/08/20	JLI SW8260C
Carbon Disulfide	ND	260	52	ug/Kg	50	08/08/20	JLI SW8260C
Carbon tetrachloride	ND	260	52	ug/Kg	50	08/08/20	JLI SW8260C
Chlorobenzene	ND	260	26	ug/Kg	50	08/08/20	JLI SW8260C
Chloroethane	ND	260	26	ug/Kg	50	08/08/20	JLI SW8260C
Chloroform	ND	260	26	ug/Kg	50	08/08/20	JLI SW8260C
Chloromethane	ND	52	52	ug/Kg	50	08/08/20	JLI SW8260C
cis-1,2-Dichloroethene	ND	250	26	ug/Kg	50	08/08/20	JLI SW8260C
cis-1,3-Dichloropropene	ND	260	26	ug/Kg	50	08/08/20	JLI SW8260C
Dibromochloromethane	ND	260	52	ug/Kg	50	08/08/20	JLI SW8260C
Dibromomethane	ND	260	52	ug/Kg	50	08/08/20	JLI SW8260C
Dichlorodifluoromethane	ND	260	26	ug/Kg	50	08/08/20	JLI SW8260C
Ethylbenzene	ND	260	26	ug/Kg	50	08/08/20	JLI SW8260C
Hexachlorobutadiene	ND	260	26	ug/Kg	50	08/08/20	JLI SW8260C
Isopropylbenzene	32	J 260	26	ug/Kg	50	08/08/20	JLI SW8260C
m&p-Xylene	ND	260	52	ug/Kg	50	08/08/20	JLI SW8260C
Methyl Ethyl Ketone	ND	120	120	ug/Kg	50	08/08/20	JLI SW8260C

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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By
Methyl t-butyl ether (MTBE)	ND	280	52	ug/Kg	50	08/08/20	JLI SW8260C
Methylene chloride	ND	100	100	ug/Kg	50	08/08/20	JLI SW8260C
Naphthalene	91	J 260	52	ug/Kg	50	08/08/20	JLI SW8260C
n-Butylbenzene	39	J 260	26	ug/Kg	50	08/08/20	JLI SW8260C
n-Propylbenzene	ND	260	52	ug/Kg	50	08/08/20	JLI SW8260C
o-Xylene	ND	260	52	ug/Kg	50	08/08/20	JLI SW8260C
p-Isopropyltoluene	ND	260	26	ug/Kg	50	08/08/20	JLI SW8260C
sec-Butylbenzene	47	J 260	26	ug/Kg	50	08/08/20	JLI SW8260C
Styrene	ND	260	26	ug/Kg	50	08/08/20	JLI SW8260C
tert-Butylbenzene	ND	260	26	ug/Kg	50	08/08/20	JLI SW8260C
Tetrachloroethene	ND	260	52	ug/Kg	50	08/08/20	JLI SW8260C
Tetrahydrofuran (THF)	ND	520	130	ug/Kg	50	08/08/20	JLI SW8260C
Toluene	ND	260	26	ug/Kg	50	08/08/20	JLI SW8260C
trans-1,2-Dichloroethene	ND	190	26	ug/Kg	50	08/08/20	JLI SW8260C
trans-1,3-Dichloropropene	ND	260	26	ug/Kg	50	08/08/20	JLI SW8260C
trans-1,4-dichloro-2-butene	ND	520	130	ug/Kg	50	08/08/20	JLI SW8260C
Trichloroethene	ND	170	26	ug/Kg	50	08/08/20	JLI SW8260C
Trichlorofluoromethane	ND	260	52	ug/Kg	50	08/08/20	JLI SW8260C
Trichlorotrifluoroethane	ND	260	26	ug/Kg	50	08/08/20	JLI SW8260C
Vinyl chloride	ND	26	26	ug/Kg	50	08/08/20	JLI SW8260C
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4 (50x)	100			%	50	08/08/20	JLI 70 - 130 %
% Bromofluorobenzene (50x)	101			%	50	08/08/20	JLI 70 - 130 %
% Dibromofluoromethane (50x)	85			%	50	08/08/20	JLI 70 - 130 %
% Toluene-d8 (50x)	96			%	50	08/08/20	JLI 70 - 130 %
<u>1,4-dioxane</u>							
1,4-dioxane	ND	2100		ug/kg	50	08/08/20	JLI SW8260C
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4 (50x)	100			%	50	08/08/20	JLI 70 - 130 %
% Bromofluorobenzene (50x)	101			%	50	08/08/20	JLI 70 - 130 %
% Dibromofluoromethane (50x)	85			%	50	08/08/20	JLI 70 - 130 %
% Toluene-d8 (50x)	96			%	50	08/08/20	JLI 70 - 130 %
<u>Volatiles</u>							
1,1,1,2-Tetrachloroethane	ND	1000		ug/Kg	50	08/08/20	JLI SW8260C
Acrolein	ND	52		ug/Kg	50	08/08/20	JLI SW8260C
Acrylonitrile	ND	37		ug/Kg	50	08/08/20	JLI SW8260C
Tert-butyl alcohol	ND	5200		ug/Kg	50	08/08/20	JLI SW8260C
<u>Semivolatiles</u>							
1,2,4,5-Tetrachlorobenzene	ND	260	130	ug/Kg	1	08/06/20	WB SW8270D
1,2,4-Trichlorobenzene	ND	260	110	ug/Kg	1	08/06/20	WB SW8270D
1,2-Dichlorobenzene	110	J 260	100	ug/Kg	1	08/06/20	WB SW8270D
1,2-Diphenylhydrazine	ND	260	120	ug/Kg	1	08/06/20	WB SW8270D
1,3-Dichlorobenzene	ND	260	110	ug/Kg	1	08/06/20	WB SW8270D
1,4-Dichlorobenzene	ND	260	110	ug/Kg	1	08/06/20	WB SW8270D
2,4,5-Trichlorophenol	ND	260	200	ug/Kg	1	08/06/20	WB SW8270D
2,4,6-Trichlorophenol	ND	190	120	ug/Kg	1	08/06/20	WB SW8270D
2,4-Dichlorophenol	ND	190	130	ug/Kg	1	08/06/20	WB SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By
2,4-Dimethylphenol	ND	260	92	ug/Kg	1	08/06/20	WB SW8270D
2,4-Dinitrophenol	ND	260	260	ug/Kg	1	08/06/20	WB SW8270D
2,4-Dinitrotoluene	ND	190	150	ug/Kg	1	08/06/20	WB SW8270D
2,6-Dinitrotoluene	ND	190	120	ug/Kg	1	08/06/20	WB SW8270D
2-Chloronaphthalene	ND	260	110	ug/Kg	1	08/06/20	WB SW8270D
2-Chlorophenol	ND	260	110	ug/Kg	1	08/06/20	WB SW8270D
2-Methylnaphthalene	220	J 260	110	ug/Kg	1	08/06/20	WB SW8270D
2-Methylphenol (o-cresol)	ND	260	170	ug/Kg	1	08/06/20	WB SW8270D
2-Nitroaniline	ND	100	100	ug/Kg	1	08/06/20	WB SW8270D
2-Nitrophenol	ND	260	230	ug/Kg	1	08/06/20	WB SW8270D
3&4-Methylphenol (m&p-cresol)	220	J 260	150	ug/Kg	1	08/06/20	WB SW8270D
3,3'-Dichlorobenzidine	ND	190	170	ug/Kg	1	08/06/20	WB SW8270D
3-Nitroaniline	ND	91	91	ug/Kg	1	08/06/20	WB SW8270D
4,6-Dinitro-2-methylphenol	ND	220	74	ug/Kg	1	08/06/20	WB SW8270D
4-Bromophenyl phenyl ether	ND	260	110	ug/Kg	1	08/06/20	WB SW8270D
4-Chloro-3-methylphenol	ND	260	130	ug/Kg	1	08/06/20	WB SW8270D
4-Chloroaniline	ND	300	170	ug/Kg	1	08/06/20	WB SW8270D
4-Chlorophenyl phenyl ether	ND	260	120	ug/Kg	1	08/06/20	WB SW8270D
4-Nitroaniline	ND	86	86	ug/Kg	1	08/06/20	WB SW8270D
4-Nitrophenol	ND	370	170	ug/Kg	1	08/06/20	WB SW8270D
Acenaphthene	170	J 260	110	ug/Kg	1	08/06/20	WB SW8270D
Acenaphthylene	2400	260	100	ug/Kg	1	08/06/20	WB SW8270D
Acetophenone	ND	260	120	ug/Kg	1	08/06/20	WB SW8270D
Aniline	ND	300	300	ug/Kg	1	08/06/20	WB SW8270D
Anthracene	1100	260	120	ug/Kg	1	08/06/20	WB SW8270D
Benz(a)anthracene	2800	260	120	ug/Kg	1	08/06/20	WB SW8270D
Benzidine	ND	340	220	ug/Kg	1	08/06/20	WB SW8270D
Benzo(a)pyrene	3500	190	120	ug/Kg	1	08/06/20	WB SW8270D
Benzo(b)fluoranthene	4200	260	130	ug/Kg	1	08/06/20	WB SW8270D
Benzo(ghi)perylene	2400	260	120	ug/Kg	1	08/06/20	WB SW8270D
Benzo(k)fluoranthene	3100	260	120	ug/Kg	1	08/06/20	WB SW8270D
Benzoic acid	ND	1900	740	ug/Kg	1	08/06/20	WB SW8270D
Benzyl butyl phthalate	ND	260	96	ug/Kg	1	08/06/20	WB SW8270D
Bis(2-chloroethoxy)methane	ND	260	100	ug/Kg	1	08/06/20	WB SW8270D
Bis(2-chloroethyl)ether	ND	74	74	ug/Kg	1	08/06/20	WB SW8270D
Bis(2-chloroisopropyl)ether	ND	260	100	ug/Kg	1	08/06/20	WB SW8270D
Bis(2-ethylhexyl)phthalate	ND	260	110	ug/Kg	1	08/06/20	WB SW8270D
Carbazole	870	190	150	ug/Kg	1	08/06/20	WB SW8270D
Chrysene	3600	260	120	ug/Kg	1	08/06/20	WB SW8270D
Dibenz(a,h)anthracene	730	190	120	ug/Kg	1	08/06/20	WB SW8270D
Dibenzofuran	370	260	110	ug/Kg	1	08/06/20	WB SW8270D
Diethyl phthalate	ND	260	120	ug/Kg	1	08/06/20	WB SW8270D
Dimethylphthalate	ND	260	110	ug/Kg	1	08/06/20	WB SW8270D
Di-n-butylphthalate	ND	260	99	ug/Kg	1	08/06/20	WB SW8270D
Di-n-octylphthalate	ND	260	96	ug/Kg	1	08/06/20	WB SW8270D
Fluoranthene	6900	260	120	ug/Kg	1	08/06/20	WB SW8270D
Fluorene	740	260	120	ug/Kg	1	08/06/20	WB SW8270D
Hexachlorobenzene	ND	190	110	ug/Kg	1	08/06/20	WB SW8270D
Hexachlorobutadiene	ND	260	130	ug/Kg	1	08/06/20	WB SW8270D

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Client ID: 316B4 FILL

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By
Hexachlorocyclopentadiene	ND	260	110	ug/Kg	1	08/06/20	WB SW8270D
Hexachloroethane	ND	190	110	ug/Kg	1	08/06/20	WB SW8270D
Indeno(1,2,3-cd)pyrene	2600	260	120	ug/Kg	1	08/06/20	WB SW8270D
Isophorone	ND	190	100	ug/Kg	1	08/06/20	WB SW8270D
Naphthalene	380	260	110	ug/Kg	1	08/06/20	WB SW8270D
Nitrobenzene	ND	190	130	ug/Kg	1	08/06/20	WB SW8270D
N-Nitrosodimethylamine	ND	74	74	ug/Kg	1	08/06/20	WB SW8270D
N-Nitrosodi-n-propylamine	ND	74	74	ug/Kg	1	08/06/20	WB SW8270D
N-Nitrosodiphenylamine	ND	260	140	ug/Kg	1	08/06/20	WB SW8270D
Pentachloronitrobenzene	ND	260	140	ug/Kg	1	08/06/20	WB SW8270D
Pentachlorophenol	ND	220	140	ug/Kg	1	08/06/20	WB SW8270D
Phenanthrene	3100	260	110	ug/Kg	1	08/06/20	WB SW8270D
Phenol	ND	260	120	ug/Kg	1	08/06/20	WB SW8270D
Pyrene	7000	260	130	ug/Kg	1	08/06/20	WB SW8270D
Pyridine	ND	220	91	ug/Kg	1	08/06/20	WB SW8270D
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	53			%	1	08/06/20	WB 30 - 130 %
% 2-Fluorobiphenyl	61			%	1	08/06/20	WB 30 - 130 %
% 2-Fluorophenol	59			%	1	08/06/20	WB 30 - 130 %
% Nitrobenzene-d5	59			%	1	08/06/20	WB 30 - 130 %
% Phenol-d5	66			%	1	08/06/20	WB 30 - 130 %
% Terphenyl-d14	73			%	1	08/06/20	WB 30 - 130 %
Field Extraction	Completed					08/04/20	SW5035A

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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By
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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 (preceded 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-dinitrophenol, 4,6-Dinitro-2-methylphenol, and Benzidine.

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

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

Semi-Volatile Comment:

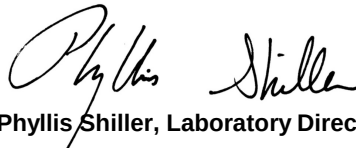
To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

Volatile Comment:

Elevated reporting limits for volatiles due to the presence of 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 11, 2020

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



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



Analysis Report

August 11, 2020

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

Sample Information

Matrix: SOIL
Location Code: EBC
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by: DM
Received by: B
Analyzed by: see "By" below

Date

08/04/20
08/05/20

Time

9:51
16:20

Laboratory Data

SDG ID: GCG48033
Phoenix ID: CG48037

Project ID: 316 HUGUENOT ST NEW ROCHELLE NY
Client ID: 316B5 FILL

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.35	0.35		mg/Kg	1	08/06/20	CPP	SW6010D
Aluminum	13700	35		mg/Kg	10	08/06/20	CPP	SW6010D
Arsenic	2.59	0.69		mg/Kg	1	08/06/20	CPP	SW6010D
Barium	159	0.7		mg/Kg	1	08/06/20	CPP	SW6010D
Beryllium	< 0.28	0.28		mg/Kg	1	08/06/20	CPP	SW6010D
Calcium	23900	35		mg/Kg	10	08/06/20	CPP	SW6010D
Cadmium	1.59	0.35		mg/Kg	1	08/06/20	CPP	SW6010D
Cobalt	13.9	0.35		mg/Kg	1	08/06/20	CPP	SW6010D
Chromium	26.0	0.35		mg/Kg	1	08/06/20	CPP	SW6010D
Copper	58.4	0.7		mg/kg	1	08/06/20	CPP	SW6010D
Iron	26900	35		mg/Kg	10	08/06/20	CPP	SW6010D
Mercury	0.12	0.03		mg/Kg	2	08/06/20	RS	SW7471B
Potassium	5260	69		mg/Kg	10	08/06/20	CPP	SW6010D
Magnesium	15000	35		mg/Kg	10	08/06/20	CPP	SW6010D
Manganese	360	3.5		mg/Kg	10	08/06/20	CPP	SW6010D
Sodium	475	7		mg/Kg	1	08/06/20	CPP	SW6010D
Nickel	23.1	0.35		mg/Kg	1	08/06/20	CPP	SW6010D
Lead	1390	6.9		mg/Kg	10	08/06/20	CPP	SW6010D
Antimony	< 3.5	3.5		mg/Kg	1	08/06/20	CPP	SW6010D
Selenium	< 1.4	1.4		mg/Kg	1	08/06/20	CPP	SW6010D
Thallium	< 1.4	1.4		mg/Kg	1	08/06/20	CPP	SW6010D
Vanadium	54.0	0.35		mg/Kg	1	08/06/20	CPP	SW6010D
Zinc	120	0.7		mg/Kg	1	08/06/20	CPP	SW6010D
Percent Solid	89			%		08/05/20	HB	SW846-%Solid
Soil Extraction for PCB	Completed					08/05/20	L/E	SW3545A
Soil Extraction for PCB	Completed					08/05/20	L/E	SW3545A
Soil Extraction for Pesticides	Completed					08/05/20	L/E	SW3545A
Mercury Digestion	Completed					08/06/20	VT/VT	SW7471B

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By
Soil Extraction for SVOA	Completed					08/05/20	R/M SW3546
Total Metals Digest	Completed					08/05/20	B/AG/BF SW3050B

Polychlorinated Biphenyls

PCB-1016	ND	73	73	ug/Kg	2	08/06/20	SC SW8082A
PCB-1221	ND	73	73	ug/Kg	2	08/06/20	SC SW8082A
PCB-1232	ND	73	73	ug/Kg	2	08/06/20	SC SW8082A
PCB-1242	ND	73	73	ug/Kg	2	08/06/20	SC SW8082A
PCB-1248	ND	73	73	ug/Kg	2	08/06/20	SC SW8082A
PCB-1254	ND	73	73	ug/Kg	2	08/06/20	SC SW8082A
PCB-1260	ND	73	73	ug/Kg	2	08/06/20	SC SW8082A
PCB-1262	ND	73	73	ug/Kg	2	08/06/20	SC SW8082A
PCB-1268	ND	73	73	ug/Kg	2	08/06/20	SC SW8082A

QA/QC Surrogates

% DCBP	69			%	2	08/06/20	SC 30 - 150 %
% DCBP (Confirmation)	68			%	2	08/06/20	SC 30 - 150 %
% TCMX	70			%	2	08/06/20	SC 30 - 150 %
% TCMX (Confirmation)	73			%	2	08/06/20	SC 30 - 150 %

Pesticides - Soil

4,4' -DDD	ND	2.2		ug/Kg	2	08/06/20	CG SW8081B
4,4' -DDE	ND	2.2		ug/Kg	2	08/06/20	CG SW8081B
4,4' -DDT	ND	2.2		ug/Kg	2	08/06/20	CG SW8081B
a-BHC	ND	7.3		ug/Kg	2	08/06/20	CG SW8081B
a-Chlordane	ND	3.7		ug/Kg	2	08/06/20	CG SW8081B
Aldrin	ND	3.7		ug/Kg	2	08/06/20	CG SW8081B
b-BHC	ND	7.3		ug/Kg	2	08/06/20	CG SW8081B
Chlordane	ND	37		ug/Kg	2	08/06/20	CG SW8081B
d-BHC	ND	7.3		ug/Kg	2	08/06/20	CG SW8081B
Dieldrin	ND	3.7		ug/Kg	2	08/06/20	CG SW8081B
Endosulfan I	ND	7.3		ug/Kg	2	08/06/20	CG SW8081B
Endosulfan II	ND	7.3		ug/Kg	2	08/06/20	CG SW8081B
Endosulfan sulfate	ND	7.3		ug/Kg	2	08/06/20	CG SW8081B
Endrin	ND	7.3		ug/Kg	2	08/06/20	CG SW8081B
Endrin aldehyde	ND	7.3		ug/Kg	2	08/06/20	CG SW8081B
Endrin ketone	ND	7.3		ug/Kg	2	08/06/20	CG SW8081B
g-BHC	ND	1.5		ug/Kg	2	08/06/20	CG SW8081B
g-Chlordane	ND	3.7		ug/Kg	2	08/06/20	CG SW8081B
Heptachlor	ND	7.3		ug/Kg	2	08/06/20	CG SW8081B
Heptachlor epoxide	ND	7.3		ug/Kg	2	08/06/20	CG SW8081B
Methoxychlor	ND	37		ug/Kg	2	08/06/20	CG SW8081B
Toxaphene	ND	150		ug/Kg	2	08/06/20	CG SW8081B

QA/QC Surrogates

% DCBP	75			%	2	08/06/20	CG 30 - 150 %
% DCBP (Confirmation)	70			%	2	08/06/20	CG 30 - 150 %
% TCMX	76			%	2	08/06/20	CG 30 - 150 %
% TCMX (Confirmation)	72			%	2	08/06/20	CG 30 - 150 %

Volatiles

1,1,1,2-Tetrachloroethane	ND	4.8	0.96	ug/Kg	1	08/09/20	JLI SW8260C
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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By
1,1,1-Trichloroethane	ND	4.8	0.48	ug/Kg	1	08/09/20	JLI SW8260C
1,1,2,2-Tetrachloroethane	ND	4.8	0.96	ug/Kg	1	08/09/20	JLI SW8260C
1,1,2-Trichloroethane	ND	4.8	0.96	ug/Kg	1	08/09/20	JLI SW8260C
1,1-Dichloroethane	ND	4.8	0.96	ug/Kg	1	08/09/20	JLI SW8260C
1,1-Dichloroethene	ND	4.8	0.48	ug/Kg	1	08/09/20	JLI SW8260C
1,1-Dichloropropene	ND	4.8	0.48	ug/Kg	1	08/09/20	JLI SW8260C
1,2,3-Trichlorobenzene	ND	4.8	0.96	ug/Kg	1	08/09/20	JLI SW8260C
1,2,3-Trichloropropane	ND	4.8	0.48	ug/Kg	1	08/09/20	JLI SW8260C
1,2,4-Trichlorobenzene	ND	4.8	0.96	ug/Kg	1	08/09/20	JLI SW8260C
1,2,4-Trimethylbenzene	ND	4.8	0.48	ug/Kg	1	08/09/20	JLI SW8260C
1,2-Dibromo-3-chloropropane	ND	4.8	0.96	ug/Kg	1	08/09/20	JLI SW8260C
1,2-Dibromoethane	ND	1.2	0.48	ug/Kg	1	08/09/20	JLI SW8260C
1,2-Dichlorobenzene	ND	4.8	0.48	ug/Kg	1	08/09/20	JLI SW8260C
1,2-Dichloroethane	ND	4.8	0.48	ug/Kg	1	08/09/20	JLI SW8260C
1,2-Dichloropropane	ND	4.8	0.96	ug/Kg	1	08/09/20	JLI SW8260C
1,3,5-Trimethylbenzene	ND	4.8	0.48	ug/Kg	1	08/09/20	JLI SW8260C
1,3-Dichlorobenzene	ND	4.8	0.48	ug/Kg	1	08/09/20	JLI SW8260C
1,3-Dichloropropane	ND	4.8	0.96	ug/Kg	1	08/09/20	JLI SW8260C
1,4-Dichlorobenzene	ND	4.8	0.48	ug/Kg	1	08/09/20	JLI SW8260C
2,2-Dichloropropane	ND	4.8	0.48	ug/Kg	1	08/09/20	JLI SW8260C
2-Chlorotoluene	ND	4.8	0.96	ug/Kg	1	08/09/20	JLI SW8260C
2-Hexanone	ND	24	4.8	ug/Kg	1	08/09/20	JLI SW8260C
2-Isopropyltoluene	ND	4.8	0.48	ug/Kg	1	08/09/20	JLI SW8260C
4-Chlorotoluene	ND	4.8	0.48	ug/Kg	1	08/09/20	JLI SW8260C
4-Methyl-2-pentanone	ND	24	4.8	ug/Kg	1	08/09/20	JLI SW8260C
Acetone	ND	24	4.8	ug/Kg	1	08/09/20	JLI SW8260C
Acrylonitrile	ND	9.6	0.96	ug/Kg	1	08/09/20	JLI SW8260C
Benzene	ND	4.8	0.48	ug/Kg	1	08/09/20	JLI SW8260C
Bromobenzene	ND	4.8	0.48	ug/Kg	1	08/09/20	JLI SW8260C
Bromochloromethane	ND	4.8	0.48	ug/Kg	1	08/09/20	JLI SW8260C
Bromodichloromethane	ND	4.8	0.96	ug/Kg	1	08/09/20	JLI SW8260C
Bromoform	ND	4.8	0.96	ug/Kg	1	08/09/20	JLI SW8260C
Bromomethane	ND	4.8	1.9	ug/Kg	1	08/09/20	JLI SW8260C
Carbon Disulfide	ND	4.8	0.96	ug/Kg	1	08/09/20	JLI SW8260C
Carbon tetrachloride	ND	4.8	0.96	ug/Kg	1	08/09/20	JLI SW8260C
Chlorobenzene	ND	4.8	0.48	ug/Kg	1	08/09/20	JLI SW8260C
Chloroethane	ND	4.8	0.48	ug/Kg	1	08/09/20	JLI SW8260C
Chloroform	ND	4.8	0.48	ug/Kg	1	08/09/20	JLI SW8260C
Chloromethane	ND	4.8	0.96	ug/Kg	1	08/09/20	JLI SW8260C
cis-1,2-Dichloroethene	ND	4.8	0.48	ug/Kg	1	08/09/20	JLI SW8260C
cis-1,3-Dichloropropene	ND	4.8	0.48	ug/Kg	1	08/09/20	JLI SW8260C
Dibromochloromethane	ND	4.8	0.96	ug/Kg	1	08/09/20	JLI SW8260C
Dibromomethane	ND	4.8	0.96	ug/Kg	1	08/09/20	JLI SW8260C
Dichlorodifluoromethane	ND	4.8	0.48	ug/Kg	1	08/09/20	JLI SW8260C
Ethylbenzene	ND	4.8	0.48	ug/Kg	1	08/09/20	JLI SW8260C
Hexachlorobutadiene	ND	4.8	0.48	ug/Kg	1	08/09/20	JLI SW8260C
Isopropylbenzene	ND	4.8	0.48	ug/Kg	1	08/09/20	JLI SW8260C
m&p-Xylene	ND	4.8	0.96	ug/Kg	1	08/09/20	JLI SW8260C
Methyl Ethyl Ketone	ND	29	4.8	ug/Kg	1	08/09/20	JLI SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By
Methyl t-butyl ether (MTBE)	ND	9.6	0.96	ug/Kg	1	08/09/20	JLI SW8260C
Methylene chloride	ND	4.8	4.8	ug/Kg	1	08/09/20	JLI SW8260C
Naphthalene	ND	4.8	0.96	ug/Kg	1	08/09/20	JLI SW8260C
n-Butylbenzene	ND	4.8	0.48	ug/Kg	1	08/09/20	JLI SW8260C
n-Propylbenzene	ND	4.8	0.96	ug/Kg	1	08/09/20	JLI SW8260C
o-Xylene	ND	4.8	0.96	ug/Kg	1	08/09/20	JLI SW8260C
p-Isopropyltoluene	ND	4.8	0.48	ug/Kg	1	08/09/20	JLI SW8260C
sec-Butylbenzene	ND	4.8	0.48	ug/Kg	1	08/09/20	JLI SW8260C
Styrene	ND	4.8	0.48	ug/Kg	1	08/09/20	JLI SW8260C
tert-Butylbenzene	ND	4.8	0.48	ug/Kg	1	08/09/20	JLI SW8260C
Tetrachloroethene	ND	4.8	0.96	ug/Kg	1	08/09/20	JLI SW8260C
Tetrahydrofuran (THF)	ND	9.6	2.4	ug/Kg	1	08/09/20	JLI SW8260C
Toluene	ND	4.8	0.48	ug/Kg	1	08/09/20	JLI SW8260C
trans-1,2-Dichloroethene	ND	4.8	0.48	ug/Kg	1	08/09/20	JLI SW8260C
trans-1,3-Dichloropropene	ND	4.8	0.48	ug/Kg	1	08/09/20	JLI SW8260C
trans-1,4-dichloro-2-butene	ND	9.6	2.4	ug/Kg	1	08/09/20	JLI SW8260C
Trichloroethene	ND	4.8	0.48	ug/Kg	1	08/09/20	JLI SW8260C
Trichlorofluoromethane	ND	4.8	0.96	ug/Kg	1	08/09/20	JLI SW8260C
Trichlorotrifluoroethane	ND	4.8	0.48	ug/Kg	1	08/09/20	JLI SW8260C
Vinyl chloride	ND	4.8	0.48	ug/Kg	1	08/09/20	JLI SW8260C
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	100			%	1	08/09/20	JLI 70 - 130 %
% Bromofluorobenzene	100			%	1	08/09/20	JLI 70 - 130 %
% Dibromofluoromethane	91			%	1	08/09/20	JLI 70 - 130 %
% Toluene-d8	99			%	1	08/09/20	JLI 70 - 130 %
<u>1,4-dioxane</u>							
1,4-dioxane	ND	72		ug/kg	1	08/09/20	JLI SW8260C
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	100			%	1	08/09/20	JLI 70 - 130 %
% Bromofluorobenzene	100			%	1	08/09/20	JLI 70 - 130 %
% Dibromofluoromethane	91			%	1	08/09/20	JLI 70 - 130 %
% Toluene-d8	99			%	1	08/09/20	JLI 70 - 130 %
<u>Volatiles</u>							
1,1,1,2-Tetrachloroethane	ND	19		ug/Kg	1	08/09/20	JLI SW8260C
Acrolein	ND	1.4		ug/Kg	1	08/09/20	JLI SW8260C
Acrylonitrile	ND	19		ug/Kg	1	08/09/20	JLI SW8260C
Tert-butyl alcohol	ND	96		ug/Kg	1	08/09/20	JLI SW8260C
<u>Semivolatiles</u>							
1,2,4,5-Tetrachlorobenzene	ND	250	130	ug/Kg	1	08/06/20	WB SW8270D
1,2,4-Trichlorobenzene	ND	250	110	ug/Kg	1	08/06/20	WB SW8270D
1,2-Dichlorobenzene	ND	250	100	ug/Kg	1	08/06/20	WB SW8270D
1,2-Diphenylhydrazine	ND	250	120	ug/Kg	1	08/06/20	WB SW8270D
1,3-Dichlorobenzene	ND	250	110	ug/Kg	1	08/06/20	WB SW8270D
1,4-Dichlorobenzene	ND	250	110	ug/Kg	1	08/06/20	WB SW8270D
2,4,5-Trichlorophenol	ND	250	200	ug/Kg	1	08/06/20	WB SW8270D
2,4,6-Trichlorophenol	ND	180	120	ug/Kg	1	08/06/20	WB SW8270D
2,4-Dichlorophenol	ND	180	130	ug/Kg	1	08/06/20	WB SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By
2,4-Dimethylphenol	ND	250	90	ug/Kg	1	08/06/20	WB SW8270D
2,4-Dinitrophenol	ND	250	250	ug/Kg	1	08/06/20	WB SW8270D
2,4-Dinitrotoluene	ND	180	140	ug/Kg	1	08/06/20	WB SW8270D
2,6-Dinitrotoluene	ND	180	110	ug/Kg	1	08/06/20	WB SW8270D
2-Chloronaphthalene	ND	250	100	ug/Kg	1	08/06/20	WB SW8270D
2-Chlorophenol	ND	250	100	ug/Kg	1	08/06/20	WB SW8270D
2-Methylnaphthalene	ND	250	110	ug/Kg	1	08/06/20	WB SW8270D
2-Methylphenol (o-cresol)	ND	250	170	ug/Kg	1	08/06/20	WB SW8270D
2-Nitroaniline	ND	100	100	ug/Kg	1	08/06/20	WB SW8270D
2-Nitrophenol	ND	250	230	ug/Kg	1	08/06/20	WB SW8270D
3&4-Methylphenol (m&p-cresol)	ND	250	140	ug/Kg	1	08/06/20	WB SW8270D
3,3'-Dichlorobenzidine	ND	180	170	ug/Kg	1	08/06/20	WB SW8270D
3-Nitroaniline	ND	91	91	ug/Kg	1	08/06/20	WB SW8270D
4,6-Dinitro-2-methylphenol	ND	220	73	ug/Kg	1	08/06/20	WB SW8270D
4-Bromophenyl phenyl ether	ND	250	110	ug/Kg	1	08/06/20	WB SW8270D
4-Chloro-3-methylphenol	ND	250	130	ug/Kg	1	08/06/20	WB SW8270D
4-Chloroaniline	ND	290	170	ug/Kg	1	08/06/20	WB SW8270D
4-Chlorophenyl phenyl ether	ND	250	120	ug/Kg	1	08/06/20	WB SW8270D
4-Nitroaniline	ND	86	86	ug/Kg	1	08/06/20	WB SW8270D
4-Nitrophenol	ND	360	160	ug/Kg	1	08/06/20	WB SW8270D
Acenaphthene	ND	250	110	ug/Kg	1	08/06/20	WB SW8270D
Acenaphthylene	ND	250	100	ug/Kg	1	08/06/20	WB SW8270D
Acetophenone	ND	250	110	ug/Kg	1	08/06/20	WB SW8270D
Aniline	ND	290	290	ug/Kg	1	08/06/20	WB SW8270D
Anthracene	ND	250	120	ug/Kg	1	08/06/20	WB SW8270D
Benz(a)anthracene	160	J 250	120	ug/Kg	1	08/06/20	WB SW8270D
Benzidine	ND	340	210	ug/Kg	1	08/06/20	WB SW8270D
Benzo(a)pyrene	180	180	120	ug/Kg	1	08/06/20	WB SW8270D
Benzo(b)fluoranthene	200	J 250	120	ug/Kg	1	08/06/20	WB SW8270D
Benzo(ghi)perylene	ND	250	120	ug/Kg	1	08/06/20	WB SW8270D
Benzo(k)fluoranthene	160	J 250	120	ug/Kg	1	08/06/20	WB SW8270D
Benzoic acid	ND	1800	730	ug/Kg	1	08/06/20	WB SW8270D
Benzyl butyl phthalate	ND	250	94	ug/Kg	1	08/06/20	WB SW8270D
Bis(2-chloroethoxy)methane	ND	250	100	ug/Kg	1	08/06/20	WB SW8270D
Bis(2-chloroethyl)ether	ND	73	73	ug/Kg	1	08/06/20	WB SW8270D
Bis(2-chloroisopropyl)ether	ND	250	100	ug/Kg	1	08/06/20	WB SW8270D
Bis(2-ethylhexyl)phthalate	ND	250	100	ug/Kg	1	08/06/20	WB SW8270D
Carbazole	ND	180	150	ug/Kg	1	08/06/20	WB SW8270D
Chrysene	190	J 250	120	ug/Kg	1	08/06/20	WB SW8270D
Dibenz(a,h)anthracene	ND	180	120	ug/Kg	1	08/06/20	WB SW8270D
Dibenzofuran	ND	250	110	ug/Kg	1	08/06/20	WB SW8270D
Diethyl phthalate	ND	250	110	ug/Kg	1	08/06/20	WB SW8270D
Dimethylphthalate	ND	250	110	ug/Kg	1	08/06/20	WB SW8270D
Di-n-butylphthalate	ND	250	97	ug/Kg	1	08/06/20	WB SW8270D
Di-n-octylphthalate	ND	250	94	ug/Kg	1	08/06/20	WB SW8270D
Fluoranthene	230	J 250	120	ug/Kg	1	08/06/20	WB SW8270D
Fluorene	ND	250	120	ug/Kg	1	08/06/20	WB SW8270D
Hexachlorobenzene	ND	180	110	ug/Kg	1	08/06/20	WB SW8270D
Hexachlorobutadiene	ND	250	130	ug/Kg	1	08/06/20	WB SW8270D

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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By
Hexachlorocyclopentadiene	ND	250	110	ug/Kg	1	08/06/20	WB SW8270D
Hexachloroethane	ND	180	110	ug/Kg	1	08/06/20	WB SW8270D
Indeno(1,2,3-cd)pyrene	240	J 250	120	ug/Kg	1	08/06/20	WB SW8270D
Isophorone	ND	180	100	ug/Kg	1	08/06/20	WB SW8270D
Naphthalene	ND	250	100	ug/Kg	1	08/06/20	WB SW8270D
Nitrobenzene	ND	180	130	ug/Kg	1	08/06/20	WB SW8270D
N-Nitrosodimethylamine	ND	73	73	ug/Kg	1	08/06/20	WB SW8270D
N-Nitrosodi-n-propylamine	ND	73	73	ug/Kg	1	08/06/20	WB SW8270D
N-Nitrosodiphenylamine	ND	250	140	ug/Kg	1	08/06/20	WB SW8270D
Pentachloronitrobenzene	ND	250	140	ug/Kg	1	08/06/20	WB SW8270D
Pentachlorophenol	ND	220	140	ug/Kg	1	08/06/20	WB SW8270D
Phenanthrene	ND	250	100	ug/Kg	1	08/06/20	WB SW8270D
Phenol	ND	250	120	ug/Kg	1	08/06/20	WB SW8270D
Pyrene	220	J 250	120	ug/Kg	1	08/06/20	WB SW8270D
Pyridine	ND	220	89	ug/Kg	1	08/06/20	WB SW8270D
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	72			%	1	08/06/20	WB 30 - 130 %
% 2-Fluorobiphenyl	78			%	1	08/06/20	WB 30 - 130 %
% 2-Fluorophenol	64			%	1	08/06/20	WB 30 - 130 %
% Nitrobenzene-d5	72			%	1	08/06/20	WB 30 - 130 %
% Phenol-d5	73			%	1	08/06/20	WB 30 - 130 %
% Terphenyl-d14	83			%	1	08/06/20	WB 30 - 130 %
Field Extraction	Completed					08/04/20	SW5035A

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By
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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 (preceded 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-dinitrophenol, 4,6-Dinitro-2-methylphenol, and Benzidine.

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

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

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.

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

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



Phyllis Shiller, Laboratory Director

August 11, 2020

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



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



Analysis Report

August 11, 2020

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

Sample Information

Matrix: SOIL
Location Code: EBC
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by: DM
Received by: B
Analyzed by: see "By" below

Date

08/04/20
08/05/20

Time

9:25
16:20

Laboratory Data

SDG ID: GCG48033
Phoenix ID: CG48038

Project ID: 316 HUGUENOT ST NEW ROCHELLE NY
Client ID: 316B6 FILL

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.33	0.33		mg/Kg	1	08/06/20	CPP	SW6010D
Aluminum	13300	33		mg/Kg	10	08/06/20	CPP	SW6010D
Arsenic	6.04	0.66		mg/Kg	1	08/06/20	CPP	SW6010D
Barium	101	0.7		mg/Kg	1	08/06/20	CPP	SW6010D
Beryllium	0.41	0.26		mg/Kg	1	08/06/20	CPP	SW6010D
Calcium	41100	33		mg/Kg	10	08/06/20	CPP	SW6010D
Cadmium	1.64	0.33		mg/Kg	1	08/06/20	CPP	SW6010D
Cobalt	9.22	0.33		mg/Kg	1	08/06/20	CPP	SW6010D
Chromium	22.4	0.33		mg/Kg	1	08/06/20	CPP	SW6010D
Copper	37.6	0.7		mg/kg	1	08/06/20	CPP	SW6010D
Iron	20300	33		mg/Kg	10	08/06/20	CPP	SW6010D
Mercury	0.08	0.03		mg/Kg	2	08/06/20	RS	SW7471B
Potassium	2750	7		mg/Kg	1	08/06/20	CPP	SW6010D
Magnesium	25100	33		mg/Kg	10	08/06/20	CPP	SW6010D
Manganese	432	3.3		mg/Kg	10	08/06/20	CPP	SW6010D
Sodium	241	7		mg/Kg	1	08/06/20	CPP	SW6010D
Nickel	21.7	0.33		mg/Kg	1	08/06/20	CPP	SW6010D
Lead	107	0.7		mg/Kg	1	08/06/20	CPP	SW6010D
Antimony	< 3.3	3.3		mg/Kg	1	08/06/20	CPP	SW6010D
Selenium	< 1.3	1.3		mg/Kg	1	08/06/20	CPP	SW6010D
Thallium	< 1.3	1.3		mg/Kg	1	08/06/20	CPP	SW6010D
Vanadium	35.4	0.33		mg/Kg	1	08/06/20	CPP	SW6010D
Zinc	92.2	0.7		mg/Kg	1	08/06/20	CPP	SW6010D
Percent Solid	91			%		08/05/20	HB	SW846-%Solid
Soil Extraction for PCB	Completed					08/05/20	L/E	SW3545A
Soil Extraction for PCB	Completed					08/05/20	L/E	SW3545A
Soil Extraction for Pesticides	Completed					08/05/20	L/E	SW3545A
Mercury Digestion	Completed					08/06/20	VT/VT	SW7471B

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By
Soil Extraction for SVOA	Completed					08/05/20	R/M SW3546
Total Metals Digest	Completed					08/05/20	B/AG/BF SW3050B

Polychlorinated Biphenyls

PCB-1016	ND	72	72	ug/Kg	2	08/06/20	SC SW8082A
PCB-1221	ND	72	72	ug/Kg	2	08/06/20	SC SW8082A
PCB-1232	ND	72	72	ug/Kg	2	08/06/20	SC SW8082A
PCB-1242	ND	72	72	ug/Kg	2	08/06/20	SC SW8082A
PCB-1248	ND	72	72	ug/Kg	2	08/06/20	SC SW8082A
PCB-1254	ND	72	72	ug/Kg	2	08/06/20	SC SW8082A
PCB-1260	ND	72	72	ug/Kg	2	08/06/20	SC SW8082A
PCB-1262	ND	72	72	ug/Kg	2	08/06/20	SC SW8082A
PCB-1268	ND	72	72	ug/Kg	2	08/06/20	SC SW8082A

QA/QC Surrogates

% DCBP	68			%	2	08/06/20	SC 30 - 150 %
% DCBP (Confirmation)	67			%	2	08/06/20	SC 30 - 150 %
% TCMX	70			%	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	7.2		ug/Kg	2	08/06/20	CG SW8081B
a-Chlordane	ND	3.6		ug/Kg	2	08/06/20	CG SW8081B
Aldrin	ND	3.6		ug/Kg	2	08/06/20	CG SW8081B
b-BHC	ND	7.2		ug/Kg	2	08/06/20	CG SW8081B
Chlordane	ND	36		ug/Kg	2	08/06/20	CG SW8081B
d-BHC	ND	7.2		ug/Kg	2	08/06/20	CG SW8081B
Dieldrin	ND	3.6		ug/Kg	2	08/06/20	CG SW8081B
Endosulfan I	ND	7.2		ug/Kg	2	08/06/20	CG SW8081B
Endosulfan II	ND	7.2		ug/Kg	2	08/06/20	CG SW8081B
Endosulfan sulfate	ND	7.2		ug/Kg	2	08/06/20	CG SW8081B
Endrin	ND	7.2		ug/Kg	2	08/06/20	CG SW8081B
Endrin aldehyde	ND	7.2		ug/Kg	2	08/06/20	CG SW8081B
Endrin ketone	ND	7.2		ug/Kg	2	08/06/20	CG SW8081B
g-BHC	ND	1.4		ug/Kg	2	08/06/20	CG SW8081B
g-Chlordane	ND	3.6		ug/Kg	2	08/06/20	CG SW8081B
Heptachlor	ND	7.2		ug/Kg	2	08/06/20	CG SW8081B
Heptachlor epoxide	ND	7.2		ug/Kg	2	08/06/20	CG SW8081B
Methoxychlor	ND	36		ug/Kg	2	08/06/20	CG SW8081B
Toxaphene	ND	140		ug/Kg	2	08/06/20	CG SW8081B

QA/QC Surrogates

% DCBP	82			%	2	08/06/20	CG 30 - 150 %
% DCBP (Confirmation)	72			%	2	08/06/20	CG 30 - 150 %
% TCMX	80			%	2	08/06/20	CG 30 - 150 %
% TCMX (Confirmation)	72			%	2	08/06/20	CG 30 - 150 %

Volatiles

1,1,1,2-Tetrachloroethane	ND	3.1	0.63	ug/Kg	1	08/09/20	JLI SW8260C
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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By
1,1,1-Trichloroethane	ND	3.1	0.31	ug/Kg	1	08/09/20	JLI SW8260C
1,1,2,2-Tetrachloroethane	ND	3.1	0.63	ug/Kg	1	08/09/20	JLI SW8260C
1,1,2-Trichloroethane	ND	3.1	0.63	ug/Kg	1	08/09/20	JLI SW8260C
1,1-Dichloroethane	ND	3.1	0.63	ug/Kg	1	08/09/20	JLI SW8260C
1,1-Dichloroethene	ND	3.1	0.31	ug/Kg	1	08/09/20	JLI SW8260C
1,1-Dichloropropene	ND	3.1	0.31	ug/Kg	1	08/09/20	JLI SW8260C
1,2,3-Trichlorobenzene	ND	3.1	0.63	ug/Kg	1	08/09/20	JLI SW8260C
1,2,3-Trichloropropane	ND	3.1	0.31	ug/Kg	1	08/09/20	JLI SW8260C
1,2,4-Trichlorobenzene	ND	3.1	0.63	ug/Kg	1	08/09/20	JLI SW8260C
1,2,4-Trimethylbenzene	ND	3.1	0.31	ug/Kg	1	08/09/20	JLI SW8260C
1,2-Dibromo-3-chloropropane	ND	3.1	0.63	ug/Kg	1	08/09/20	JLI SW8260C
1,2-Dibromoethane	ND	1.2	0.31	ug/Kg	1	08/09/20	JLI SW8260C
1,2-Dichlorobenzene	ND	3.1	0.31	ug/Kg	1	08/09/20	JLI SW8260C
1,2-Dichloroethane	ND	3.1	0.31	ug/Kg	1	08/09/20	JLI SW8260C
1,2-Dichloropropane	ND	3.1	0.63	ug/Kg	1	08/09/20	JLI SW8260C
1,3,5-Trimethylbenzene	ND	3.1	0.31	ug/Kg	1	08/09/20	JLI SW8260C
1,3-Dichlorobenzene	ND	3.1	0.31	ug/Kg	1	08/09/20	JLI SW8260C
1,3-Dichloropropane	ND	3.1	0.63	ug/Kg	1	08/09/20	JLI SW8260C
1,4-Dichlorobenzene	ND	3.1	0.31	ug/Kg	1	08/09/20	JLI SW8260C
2,2-Dichloropropane	ND	3.1	0.31	ug/Kg	1	08/09/20	JLI SW8260C
2-Chlorotoluene	ND	3.1	0.63	ug/Kg	1	08/09/20	JLI SW8260C
2-Hexanone	ND	16	3.1	ug/Kg	1	08/09/20	JLI SW8260C
2-Isopropyltoluene	ND	3.1	0.31	ug/Kg	1	08/09/20	JLI SW8260C
4-Chlorotoluene	ND	3.1	0.31	ug/Kg	1	08/09/20	JLI SW8260C
4-Methyl-2-pentanone	ND	16	3.1	ug/Kg	1	08/09/20	JLI SW8260C
Acetone	ND	16	3.1	ug/Kg	1	08/09/20	JLI SW8260C
Acrylonitrile	ND	6.3	0.63	ug/Kg	1	08/09/20	JLI SW8260C
Benzene	ND	3.1	0.31	ug/Kg	1	08/09/20	JLI SW8260C
Bromobenzene	ND	3.1	0.31	ug/Kg	1	08/09/20	JLI SW8260C
Bromochloromethane	ND	3.1	0.31	ug/Kg	1	08/09/20	JLI SW8260C
Bromodichloromethane	ND	3.1	0.63	ug/Kg	1	08/09/20	JLI SW8260C
Bromoform	ND	3.1	0.63	ug/Kg	1	08/09/20	JLI SW8260C
Bromomethane	ND	3.1	1.3	ug/Kg	1	08/09/20	JLI SW8260C
Carbon Disulfide	ND	3.1	0.63	ug/Kg	1	08/09/20	JLI SW8260C
Carbon tetrachloride	ND	3.1	0.63	ug/Kg	1	08/09/20	JLI SW8260C
Chlorobenzene	ND	3.1	0.31	ug/Kg	1	08/09/20	JLI SW8260C
Chloroethane	ND	3.1	0.31	ug/Kg	1	08/09/20	JLI SW8260C
Chloroform	ND	3.1	0.31	ug/Kg	1	08/09/20	JLI SW8260C
Chloromethane	ND	3.1	0.63	ug/Kg	1	08/09/20	JLI SW8260C
cis-1,2-Dichloroethene	ND	3.1	0.31	ug/Kg	1	08/09/20	JLI SW8260C
cis-1,3-Dichloropropene	ND	3.1	0.31	ug/Kg	1	08/09/20	JLI SW8260C
Dibromochloromethane	ND	3.1	0.63	ug/Kg	1	08/09/20	JLI SW8260C
Dibromomethane	ND	3.1	0.63	ug/Kg	1	08/09/20	JLI SW8260C
Dichlorodifluoromethane	ND	3.1	0.31	ug/Kg	1	08/09/20	JLI SW8260C
Ethylbenzene	ND	3.1	0.31	ug/Kg	1	08/09/20	JLI SW8260C
Hexachlorobutadiene	ND	3.1	0.31	ug/Kg	1	08/09/20	JLI SW8260C
Isopropylbenzene	ND	3.1	0.31	ug/Kg	1	08/09/20	JLI SW8260C
m&p-Xylene	ND	3.1	0.63	ug/Kg	1	08/09/20	JLI SW8260C
Methyl Ethyl Ketone	ND	19	3.1	ug/Kg	1	08/09/20	JLI SW8260C

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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By
Methyl t-butyl ether (MTBE)	ND	6.3	0.63	ug/Kg	1	08/09/20	JLI SW8260C
Methylene chloride	ND	3.1	3.1	ug/Kg	1	08/09/20	JLI SW8260C
Naphthalene	ND	3.1	0.63	ug/Kg	1	08/09/20	JLI SW8260C
n-Butylbenzene	ND	3.1	0.31	ug/Kg	1	08/09/20	JLI SW8260C
n-Propylbenzene	ND	3.1	0.63	ug/Kg	1	08/09/20	JLI SW8260C
o-Xylene	ND	3.1	0.63	ug/Kg	1	08/09/20	JLI SW8260C
p-Isopropyltoluene	ND	3.1	0.31	ug/Kg	1	08/09/20	JLI SW8260C
sec-Butylbenzene	ND	3.1	0.31	ug/Kg	1	08/09/20	JLI SW8260C
Styrene	ND	3.1	0.31	ug/Kg	1	08/09/20	JLI SW8260C
tert-Butylbenzene	ND	3.1	0.31	ug/Kg	1	08/09/20	JLI SW8260C
Tetrachloroethene	ND	3.1	0.63	ug/Kg	1	08/09/20	JLI SW8260C
Tetrahydrofuran (THF)	ND	6.3	1.6	ug/Kg	1	08/09/20	JLI SW8260C
Toluene	ND	3.1	0.31	ug/Kg	1	08/09/20	JLI SW8260C
trans-1,2-Dichloroethene	ND	3.1	0.31	ug/Kg	1	08/09/20	JLI SW8260C
trans-1,3-Dichloropropene	ND	3.1	0.31	ug/Kg	1	08/09/20	JLI SW8260C
trans-1,4-dichloro-2-butene	ND	6.3	1.6	ug/Kg	1	08/09/20	JLI SW8260C
Trichloroethene	ND	3.1	0.31	ug/Kg	1	08/09/20	JLI SW8260C
Trichlorofluoromethane	ND	3.1	0.63	ug/Kg	1	08/09/20	JLI SW8260C
Trichlorotrifluoroethane	ND	3.1	0.31	ug/Kg	1	08/09/20	JLI SW8260C
Vinyl chloride	ND	3.1	0.31	ug/Kg	1	08/09/20	JLI SW8260C
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	99			%	1	08/09/20	JLI 70 - 130 %
% Bromofluorobenzene	94			%	1	08/09/20	JLI 70 - 130 %
% Dibromofluoromethane	91			%	1	08/09/20	JLI 70 - 130 %
% Toluene-d8	99			%	1	08/09/20	JLI 70 - 130 %
<u>1,4-dioxane</u>							
1,4-dioxane	ND	47		ug/kg	1	08/09/20	JLI SW8260C
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	99			%	1	08/09/20	JLI 70 - 130 %
% Bromofluorobenzene	94			%	1	08/09/20	JLI 70 - 130 %
% Dibromofluoromethane	91			%	1	08/09/20	JLI 70 - 130 %
% Toluene-d8	99			%	1	08/09/20	JLI 70 - 130 %
<u>Volatiles</u>							
1,1,1,2-Tetrachloroethane	ND	13		ug/Kg	1	08/09/20	JLI SW8260C
Acrolein	ND	1.4		ug/Kg	1	08/09/20	JLI SW8260C
Acrylonitrile	ND	13		ug/Kg	1	08/09/20	JLI SW8260C
Tert-butyl alcohol	ND	63		ug/Kg	1	08/09/20	JLI SW8260C
<u>Semivolatiles</u>							
1,2,4,5-Tetrachlorobenzene	ND	260	130	ug/Kg	1	08/06/20	WB SW8270D
1,2,4-Trichlorobenzene	ND	260	110	ug/Kg	1	08/06/20	WB SW8270D
1,2-Dichlorobenzene	ND	260	100	ug/Kg	1	08/06/20	WB SW8270D
1,2-Diphenylhydrazine	ND	260	120	ug/Kg	1	08/06/20	WB SW8270D
1,3-Dichlorobenzene	ND	260	110	ug/Kg	1	08/06/20	WB SW8270D
1,4-Dichlorobenzene	ND	260	110	ug/Kg	1	08/06/20	WB SW8270D
2,4,5-Trichlorophenol	ND	260	200	ug/Kg	1	08/06/20	WB SW8270D
2,4,6-Trichlorophenol	ND	180	120	ug/Kg	1	08/06/20	WB SW8270D
2,4-Dichlorophenol	ND	180	130	ug/Kg	1	08/06/20	WB SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By
2,4-Dimethylphenol	ND	260	91	ug/Kg	1	08/06/20	WB SW8270D
2,4-Dinitrophenol	ND	260	260	ug/Kg	1	08/06/20	WB SW8270D
2,4-Dinitrotoluene	ND	180	140	ug/Kg	1	08/06/20	WB SW8270D
2,6-Dinitrotoluene	ND	180	120	ug/Kg	1	08/06/20	WB SW8270D
2-Chloronaphthalene	ND	260	100	ug/Kg	1	08/06/20	WB SW8270D
2-Chlorophenol	ND	260	100	ug/Kg	1	08/06/20	WB SW8270D
2-Methylnaphthalene	ND	260	110	ug/Kg	1	08/06/20	WB SW8270D
2-Methylphenol (o-cresol)	ND	260	170	ug/Kg	1	08/06/20	WB SW8270D
2-Nitroaniline	ND	100	100	ug/Kg	1	08/06/20	WB SW8270D
2-Nitrophenol	ND	260	230	ug/Kg	1	08/06/20	WB SW8270D
3&4-Methylphenol (m&p-cresol)	ND	260	140	ug/Kg	1	08/06/20	WB SW8270D
3,3'-Dichlorobenzidine	ND	180	170	ug/Kg	1	08/06/20	WB SW8270D
3-Nitroaniline	ND	91	91	ug/Kg	1	08/06/20	WB SW8270D
4,6-Dinitro-2-methylphenol	ND	220	73	ug/Kg	1	08/06/20	WB SW8270D
4-Bromophenyl phenyl ether	ND	260	110	ug/Kg	1	08/06/20	WB SW8270D
4-Chloro-3-methylphenol	ND	260	130	ug/Kg	1	08/06/20	WB SW8270D
4-Chloroaniline	ND	290	170	ug/Kg	1	08/06/20	WB SW8270D
4-Chlorophenyl phenyl ether	ND	260	120	ug/Kg	1	08/06/20	WB SW8270D
4-Nitroaniline	ND	86	86	ug/Kg	1	08/06/20	WB SW8270D
4-Nitrophenol	ND	370	170	ug/Kg	1	08/06/20	WB SW8270D
Acenaphthene	ND	260	110	ug/Kg	1	08/06/20	WB SW8270D
Acenaphthylene	ND	260	100	ug/Kg	1	08/06/20	WB SW8270D
Acetophenone	ND	260	110	ug/Kg	1	08/06/20	WB SW8270D
Aniline	ND	290	290	ug/Kg	1	08/06/20	WB SW8270D
Anthracene	ND	260	120	ug/Kg	1	08/06/20	WB SW8270D
Benz(a)anthracene	ND	260	120	ug/Kg	1	08/06/20	WB SW8270D
Benzidine	ND	340	210	ug/Kg	1	08/06/20	WB SW8270D
Benzo(a)pyrene	120	J 180	120	ug/Kg	1	08/06/20	WB SW8270D
Benzo(b)fluoranthene	130	J 260	120	ug/Kg	1	08/06/20	WB SW8270D
Benzo(ghi)perylene	120	J 260	120	ug/Kg	1	08/06/20	WB SW8270D
Benzo(k)fluoranthene	ND	260	120	ug/Kg	1	08/06/20	WB SW8270D
Benzoic acid	ND	1800	730	ug/Kg	1	08/06/20	WB SW8270D
Benzyl butyl phthalate	ND	260	94	ug/Kg	1	08/06/20	WB SW8270D
Bis(2-chloroethoxy)methane	ND	260	100	ug/Kg	1	08/06/20	WB SW8270D
Bis(2-chloroethyl)ether	ND	73	73	ug/Kg	1	08/06/20	WB SW8270D
Bis(2-chloroisopropyl)ether	ND	260	100	ug/Kg	1	08/06/20	WB SW8270D
Bis(2-ethylhexyl)phthalate	ND	260	110	ug/Kg	1	08/06/20	WB SW8270D
Carbazole	ND	180	150	ug/Kg	1	08/06/20	WB SW8270D
Chrysene	130	J 260	120	ug/Kg	1	08/06/20	WB SW8270D
Dibenz(a,h)anthracene	ND	180	120	ug/Kg	1	08/06/20	WB SW8270D
Dibenzofuran	ND	260	110	ug/Kg	1	08/06/20	WB SW8270D
Diethyl phthalate	ND	260	120	ug/Kg	1	08/06/20	WB SW8270D
Dimethylphthalate	ND	260	110	ug/Kg	1	08/06/20	WB SW8270D
Di-n-butylphthalate	ND	260	97	ug/Kg	1	08/06/20	WB SW8270D
Di-n-octylphthalate	ND	260	94	ug/Kg	1	08/06/20	WB SW8270D
Fluoranthene	170	J 260	120	ug/Kg	1	08/06/20	WB SW8270D
Fluorene	ND	260	120	ug/Kg	1	08/06/20	WB SW8270D
Hexachlorobenzene	ND	180	110	ug/Kg	1	08/06/20	WB SW8270D
Hexachlorobutadiene	ND	260	130	ug/Kg	1	08/06/20	WB SW8270D

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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By
Hexachlorocyclopentadiene	ND	260	110	ug/Kg	1	08/06/20	WB SW8270D
Hexachloroethane	ND	180	110	ug/Kg	1	08/06/20	WB SW8270D
Indeno(1,2,3-cd)pyrene	ND	260	120	ug/Kg	1	08/06/20	WB SW8270D
Isophorone	ND	180	100	ug/Kg	1	08/06/20	WB SW8270D
Naphthalene	ND	260	110	ug/Kg	1	08/06/20	WB SW8270D
Nitrobenzene	ND	180	130	ug/Kg	1	08/06/20	WB SW8270D
N-Nitrosodimethylamine	ND	73	73	ug/Kg	1	08/06/20	WB SW8270D
N-Nitrosodi-n-propylamine	ND	73	73	ug/Kg	1	08/06/20	WB SW8270D
N-Nitrosodiphenylamine	ND	260	140	ug/Kg	1	08/06/20	WB SW8270D
Pentachloronitrobenzene	ND	260	140	ug/Kg	1	08/06/20	WB SW8270D
Pentachlorophenol	ND	220	140	ug/Kg	1	08/06/20	WB SW8270D
Phenanthrene	ND	260	100	ug/Kg	1	08/06/20	WB SW8270D
Phenol	ND	260	120	ug/Kg	1	08/06/20	WB SW8270D
Pyrene	180	J 260	130	ug/Kg	1	08/06/20	WB SW8270D
Pyridine	ND	220	90	ug/Kg	1	08/06/20	WB SW8270D
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	76			%	1	08/06/20	WB 30 - 130 %
% 2-Fluorobiphenyl	77			%	1	08/06/20	WB 30 - 130 %
% 2-Fluorophenol	61			%	1	08/06/20	WB 30 - 130 %
% Nitrobenzene-d5	69			%	1	08/06/20	WB 30 - 130 %
% Phenol-d5	72			%	1	08/06/20	WB 30 - 130 %
% Terphenyl-d14	78			%	1	08/06/20	WB 30 - 130 %
Field Extraction	Completed					08/04/20	SW5035A

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By
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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 (preceded 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-dinitrophenol, 4,6-Dinitro-2-methylphenol, and Benzidine.

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

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

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.

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

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



Phyllis Shiller, Laboratory Director

August 11, 2020

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



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



Analysis Report

August 11, 2020

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

Sample Information

Matrix: SOIL
Location Code: EBC
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by: DM
Received by: B
Analyzed by: see "By" below

Date

08/04/20
08/05/20

Time

0:03
16:20

Laboratory Data

SDG ID: GCG48033
Phoenix ID: CG48039

Project ID: 316 HUGUENOT ST NEW ROCHELLE NY
Client ID: TRIP BLANK HL

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	250	50	ug/Kg	50	08/07/20	JLI	SW8260C
1,1,1-Trichloroethane	ND	250	25	ug/Kg	50	08/07/20	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	250	50	ug/Kg	50	08/07/20	JLI	SW8260C
1,1,2-Trichloroethane	ND	250	50	ug/Kg	50	08/07/20	JLI	SW8260C
1,1-Dichloroethane	ND	250	50	ug/Kg	50	08/07/20	JLI	SW8260C
1,1-Dichloroethene	ND	250	25	ug/Kg	50	08/07/20	JLI	SW8260C
1,1-Dichloropropene	ND	250	25	ug/Kg	50	08/07/20	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	250	50	ug/Kg	50	08/07/20	JLI	SW8260C
1,2,3-Trichloropropane	ND	250	25	ug/Kg	50	08/07/20	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	250	50	ug/Kg	50	08/07/20	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	250	25	ug/Kg	50	08/07/20	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	250	50	ug/Kg	50	08/07/20	JLI	SW8260C
1,2-Dibromoethane	ND	250	25	ug/Kg	50	08/07/20	JLI	SW8260C
1,2-Dichlorobenzene	ND	250	25	ug/Kg	50	08/07/20	JLI	SW8260C
1,2-Dichloroethane	ND	250	25	ug/Kg	50	08/07/20	JLI	SW8260C
1,2-Dichloropropane	ND	250	50	ug/Kg	50	08/07/20	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	250	25	ug/Kg	50	08/07/20	JLI	SW8260C
1,3-Dichlorobenzene	ND	250	25	ug/Kg	50	08/07/20	JLI	SW8260C
1,3-Dichloropropane	ND	250	50	ug/Kg	50	08/07/20	JLI	SW8260C
1,4-Dichlorobenzene	ND	250	25	ug/Kg	50	08/07/20	JLI	SW8260C
2,2-Dichloropropane	ND	250	25	ug/Kg	50	08/07/20	JLI	SW8260C
2-Chlorotoluene	ND	250	50	ug/Kg	50	08/07/20	JLI	SW8260C
2-Hexanone	ND	1300	250	ug/Kg	50	08/07/20	JLI	SW8260C
2-Isopropyltoluene	ND	250	25	ug/Kg	50	08/07/20	JLI	SW8260C
4-Chlorotoluene	ND	250	25	ug/Kg	50	08/07/20	JLI	SW8260C
4-Methyl-2-pentanone	ND	1300	250	ug/Kg	50	08/07/20	JLI	SW8260C

Client ID: TRIP BLANK HL

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By
Acetone	ND	1300	250	ug/Kg	50	08/07/20	JLI SW8260C
Acrylonitrile	ND	500	50	ug/Kg	50	08/07/20	JLI SW8260C
Benzene	ND	250	25	ug/Kg	50	08/07/20	JLI SW8260C
Bromobenzene	ND	250	25	ug/Kg	50	08/07/20	JLI SW8260C
Bromochloromethane	ND	250	25	ug/Kg	50	08/07/20	JLI SW8260C
Bromodichloromethane	ND	250	50	ug/Kg	50	08/07/20	JLI SW8260C
Bromoform	ND	250	50	ug/Kg	50	08/07/20	JLI SW8260C
Bromomethane	ND	250	100	ug/Kg	50	08/07/20	JLI SW8260C
Carbon Disulfide	ND	250	50	ug/Kg	50	08/07/20	JLI SW8260C
Carbon tetrachloride	ND	250	50	ug/Kg	50	08/07/20	JLI SW8260C
Chlorobenzene	ND	250	25	ug/Kg	50	08/07/20	JLI SW8260C
Chloroethane	ND	250	25	ug/Kg	50	08/07/20	JLI SW8260C
Chloroform	ND	250	25	ug/Kg	50	08/07/20	JLI SW8260C
Chloromethane	ND	250	50	ug/Kg	50	08/07/20	JLI SW8260C
cis-1,2-Dichloroethene	ND	250	25	ug/Kg	50	08/07/20	JLI SW8260C
cis-1,3-Dichloropropene	ND	250	25	ug/Kg	50	08/07/20	JLI SW8260C
Dibromochloromethane	ND	250	50	ug/Kg	50	08/07/20	JLI SW8260C
Dibromomethane	ND	250	50	ug/Kg	50	08/07/20	JLI SW8260C
Dichlorodifluoromethane	ND	250	25	ug/Kg	50	08/07/20	JLI SW8260C
Ethylbenzene	ND	250	25	ug/Kg	50	08/07/20	JLI SW8260C
Hexachlorobutadiene	ND	250	25	ug/Kg	50	08/07/20	JLI SW8260C
Isopropylbenzene	ND	250	25	ug/Kg	50	08/07/20	JLI SW8260C
m&p-Xylene	ND	250	50	ug/Kg	50	08/07/20	JLI SW8260C
Methyl Ethyl Ketone	ND	1500	250	ug/Kg	50	08/07/20	JLI SW8260C
Methyl t-butyl ether (MTBE)	ND	500	50	ug/Kg	50	08/07/20	JLI SW8260C
Methylene chloride	ND	250	250	ug/Kg	50	08/07/20	JLI SW8260C
Naphthalene	ND	250	50	ug/Kg	50	08/07/20	JLI SW8260C
n-Butylbenzene	ND	250	25	ug/Kg	50	08/07/20	JLI SW8260C
n-Propylbenzene	ND	250	50	ug/Kg	50	08/07/20	JLI SW8260C
o-Xylene	ND	250	50	ug/Kg	50	08/07/20	JLI SW8260C
p-Isopropyltoluene	ND	250	25	ug/Kg	50	08/07/20	JLI SW8260C
sec-Butylbenzene	ND	250	25	ug/Kg	50	08/07/20	JLI SW8260C
Styrene	ND	250	25	ug/Kg	50	08/07/20	JLI SW8260C
tert-Butylbenzene	ND	250	25	ug/Kg	50	08/07/20	JLI SW8260C
Tetrachloroethene	ND	250	50	ug/Kg	50	08/07/20	JLI SW8260C
Tetrahydrofuran (THF)	ND	500	130	ug/Kg	50	08/07/20	JLI SW8260C
Toluene	ND	250	25	ug/Kg	50	08/07/20	JLI SW8260C
trans-1,2-Dichloroethene	ND	250	25	ug/Kg	50	08/07/20	JLI SW8260C
trans-1,3-Dichloropropene	ND	250	25	ug/Kg	50	08/07/20	JLI SW8260C
trans-1,4-dichloro-2-butene	ND	500	130	ug/Kg	50	08/07/20	JLI SW8260C
Trichloroethene	ND	250	25	ug/Kg	50	08/07/20	JLI SW8260C
Trichlorofluoromethane	ND	250	50	ug/Kg	50	08/07/20	JLI SW8260C
Trichlorotrifluoroethane	ND	250	25	ug/Kg	50	08/07/20	JLI SW8260C
Vinyl chloride	ND	250	25	ug/Kg	50	08/07/20	JLI SW8260C
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4 (50x)	100			%	50	08/07/20	JLI 70 - 130 %
% Bromofluorobenzene (50x)	97			%	50	08/07/20	JLI 70 - 130 %
% Dibromofluoromethane (50x)	86			%	50	08/07/20	JLI 70 - 130 %
% Toluene-d8 (50x)	101			%	50	08/07/20	JLI 70 - 130 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By
<u>1,4-dioxane</u>							
1,4-dioxane	ND	3800		ug/kg	50	08/07/20	JLI SW8260C
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4 (50x)	100			%	50	08/07/20	JLI 70 - 130 %
% Bromofluorobenzene (50x)	97			%	50	08/07/20	JLI 70 - 130 %
% Dibromofluoromethane (50x)	86			%	50	08/07/20	JLI 70 - 130 %
% Toluene-d8 (50x)	101			%	50	08/07/20	JLI 70 - 130 %
<u>Volatiles</u>							
1,1,1,2-Tetrachloroethane	ND	1000		ug/Kg	50	08/07/20	JLI SW8260C
Acrolein	ND	250		ug/Kg	50	08/07/20	JLI SW8260C
Acrylonitrile	ND	1000		ug/Kg	50	08/07/20	JLI SW8260C
Tert-butyl alcohol	ND	5000		ug/Kg	50	08/07/20	JLI SW8260C
Field Extraction	Completed					08/04/20	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 Limit

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

TRIP BLANK INCLUDED.

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

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

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



Phyllis Shiller, Laboratory Director

August 11, 2020

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



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



Analysis Report

August 11, 2020

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

Sample Information

Matrix: SOIL
Location Code: EBC
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by: DM
Received by: B
Analyzed by: see "By" below

Date

08/04/20

Time

16:20

Laboratory Data

SDG ID: GCG48033
Phoenix ID: CG48040

Project ID: 316 HUGUENOT ST NEW ROCHELLE NY
Client ID: TRIP BLANK LL

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/Kg	1	08/07/20	JLI	SW8260C
1,1,1-Trichloroethane	ND	5.0	0.50	ug/Kg	1	08/07/20	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	5.0	1.0	ug/Kg	1	08/07/20	JLI	SW8260C
1,1,2-Trichloroethane	ND	5.0	1.0	ug/Kg	1	08/07/20	JLI	SW8260C
1,1-Dichloroethane	ND	5.0	1.0	ug/Kg	1	08/07/20	JLI	SW8260C
1,1-Dichloroethene	ND	5.0	0.50	ug/Kg	1	08/07/20	JLI	SW8260C
1,1-Dichloropropene	ND	5.0	0.50	ug/Kg	1	08/07/20	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	5.0	1.0	ug/Kg	1	08/07/20	JLI	SW8260C
1,2,3-Trichloropropane	ND	5.0	0.50	ug/Kg	1	08/07/20	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	5.0	1.0	ug/Kg	1	08/07/20	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	5.0	0.50	ug/Kg	1	08/07/20	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	5.0	1.0	ug/Kg	1	08/07/20	JLI	SW8260C
1,2-Dibromoethane	ND	5.0	0.50	ug/Kg	1	08/07/20	JLI	SW8260C
1,2-Dichlorobenzene	ND	5.0	0.50	ug/Kg	1	08/07/20	JLI	SW8260C
1,2-Dichloroethane	ND	5.0	0.50	ug/Kg	1	08/07/20	JLI	SW8260C
1,2-Dichloropropane	ND	5.0	1.0	ug/Kg	1	08/07/20	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	5.0	0.50	ug/Kg	1	08/07/20	JLI	SW8260C
1,3-Dichlorobenzene	ND	5.0	0.50	ug/Kg	1	08/07/20	JLI	SW8260C
1,3-Dichloropropane	ND	5.0	1.0	ug/Kg	1	08/07/20	JLI	SW8260C
1,4-Dichlorobenzene	ND	5.0	0.50	ug/Kg	1	08/07/20	JLI	SW8260C
2,2-Dichloropropane	ND	5.0	0.50	ug/Kg	1	08/07/20	JLI	SW8260C
2-Chlorotoluene	ND	5.0	1.0	ug/Kg	1	08/07/20	JLI	SW8260C
2-Hexanone	ND	25	5.0	ug/Kg	1	08/07/20	JLI	SW8260C
2-Isopropyltoluene	ND	5.0	0.50	ug/Kg	1	08/07/20	JLI	SW8260C
4-Chlorotoluene	ND	5.0	0.50	ug/Kg	1	08/07/20	JLI	SW8260C
4-Methyl-2-pentanone	ND	25	5.0	ug/Kg	1	08/07/20	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By
Acetone	ND	25	5.0	ug/Kg	1	08/07/20	JLI SW8260C
Acrylonitrile	ND	10	1.0	ug/Kg	1	08/07/20	JLI SW8260C
Benzene	ND	5.0	0.50	ug/Kg	1	08/07/20	JLI SW8260C
Bromobenzene	ND	5.0	0.50	ug/Kg	1	08/07/20	JLI SW8260C
Bromochloromethane	ND	5.0	0.50	ug/Kg	1	08/07/20	JLI SW8260C
Bromodichloromethane	ND	5.0	1.0	ug/Kg	1	08/07/20	JLI SW8260C
Bromoform	ND	5.0	1.0	ug/Kg	1	08/07/20	JLI SW8260C
Bromomethane	ND	5.0	2.0	ug/Kg	1	08/07/20	JLI SW8260C
Carbon Disulfide	ND	5.0	1.0	ug/Kg	1	08/07/20	JLI SW8260C
Carbon tetrachloride	ND	5.0	1.0	ug/Kg	1	08/07/20	JLI SW8260C
Chlorobenzene	ND	5.0	0.50	ug/Kg	1	08/07/20	JLI SW8260C
Chloroethane	ND	5.0	0.50	ug/Kg	1	08/07/20	JLI SW8260C
Chloroform	ND	5.0	0.50	ug/Kg	1	08/07/20	JLI SW8260C
Chloromethane	ND	5.0	1.0	ug/Kg	1	08/07/20	JLI SW8260C
cis-1,2-Dichloroethene	ND	5.0	0.50	ug/Kg	1	08/07/20	JLI SW8260C
cis-1,3-Dichloropropene	ND	5.0	0.50	ug/Kg	1	08/07/20	JLI SW8260C
Dibromochloromethane	ND	5.0	1.0	ug/Kg	1	08/07/20	JLI SW8260C
Dibromomethane	ND	5.0	1.0	ug/Kg	1	08/07/20	JLI SW8260C
Dichlorodifluoromethane	ND	5.0	0.50	ug/Kg	1	08/07/20	JLI SW8260C
Ethylbenzene	ND	5.0	0.50	ug/Kg	1	08/07/20	JLI SW8260C
Hexachlorobutadiene	ND	5.0	0.50	ug/Kg	1	08/07/20	JLI SW8260C
Isopropylbenzene	ND	5.0	0.50	ug/Kg	1	08/07/20	JLI SW8260C
m&p-Xylene	ND	5.0	1.0	ug/Kg	1	08/07/20	JLI SW8260C
Methyl Ethyl Ketone	ND	30	5.0	ug/Kg	1	08/07/20	JLI SW8260C
Methyl t-butyl ether (MTBE)	ND	10	1.0	ug/Kg	1	08/07/20	JLI SW8260C
Methylene chloride	ND	5.0	5.0	ug/Kg	1	08/07/20	JLI SW8260C
Naphthalene	ND	5.0	1.0	ug/Kg	1	08/07/20	JLI SW8260C
n-Butylbenzene	ND	5.0	0.50	ug/Kg	1	08/07/20	JLI SW8260C
n-Propylbenzene	ND	5.0	1.0	ug/Kg	1	08/07/20	JLI SW8260C
o-Xylene	ND	5.0	1.0	ug/Kg	1	08/07/20	JLI SW8260C
p-Isopropyltoluene	ND	5.0	0.50	ug/Kg	1	08/07/20	JLI SW8260C
sec-Butylbenzene	ND	5.0	0.50	ug/Kg	1	08/07/20	JLI SW8260C
Styrene	ND	5.0	0.50	ug/Kg	1	08/07/20	JLI SW8260C
tert-Butylbenzene	ND	5.0	0.50	ug/Kg	1	08/07/20	JLI SW8260C
Tetrachloroethene	ND	5.0	1.0	ug/Kg	1	08/07/20	JLI SW8260C
Tetrahydrofuran (THF)	ND	10	2.5	ug/Kg	1	08/07/20	JLI SW8260C
Toluene	0.61	J 5.0	0.50	ug/Kg	1	08/07/20	JLI SW8260C
trans-1,2-Dichloroethene	ND	5.0	0.50	ug/Kg	1	08/07/20	JLI SW8260C
trans-1,3-Dichloropropene	ND	5.0	0.50	ug/Kg	1	08/07/20	JLI SW8260C
trans-1,4-dichloro-2-butene	ND	10	2.5	ug/Kg	1	08/07/20	JLI SW8260C
Trichloroethene	ND	5.0	0.50	ug/Kg	1	08/07/20	JLI SW8260C
Trichlorofluoromethane	ND	5.0	1.0	ug/Kg	1	08/07/20	JLI SW8260C
Trichlorotrifluoroethane	ND	5.0	0.50	ug/Kg	1	08/07/20	JLI SW8260C
Vinyl chloride	ND	5.0	0.50	ug/Kg	1	08/07/20	JLI SW8260C
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	98			%	1	08/07/20	JLI 70 - 130 %
% Bromofluorobenzene	98			%	1	08/07/20	JLI 70 - 130 %
% Dibromofluoromethane	87			%	1	08/07/20	JLI 70 - 130 %
% Toluene-d8	99			%	1	08/07/20	JLI 70 - 130 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By
<u>1,4-dioxane</u>							
1,4-dioxane	ND	75		ug/kg	1	08/07/20	JLI SW8260C
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	98			%	1	08/07/20	JLI 70 - 130 %
% Bromofluorobenzene	98			%	1	08/07/20	JLI 70 - 130 %
% Dibromofluoromethane	87			%	1	08/07/20	JLI 70 - 130 %
% Toluene-d8	99			%	1	08/07/20	JLI 70 - 130 %
<u>Volatiles</u>							
1,1,1,2-Tetrachloroethane	ND	20		ug/Kg	1	08/07/20	JLI SW8260C
Acrolein	ND	5.0		ug/Kg	1	08/07/20	JLI SW8260C
Acrylonitrile	ND	20		ug/Kg	1	08/07/20	JLI SW8260C
Tert-butyl alcohol	ND	100		ug/Kg	1	08/07/20	JLI SW8260C
Field Extraction	Completed					08/04/20	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 Limit
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

TRIP BLANK INCLUDED.

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

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

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Phyllis Shiller, Laboratory Director

August 11, 2020

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



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



QA/QC Report

August 11, 2020

QA/QC Data

SDG I.D.: GCG48033

Parameter	Blank	Blk RL	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
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QA/QC Batch 540290 (mg/kg), QC Sample No: CG48468 2X (CG48033, CG48034, CG48035, CG48036, CG48037, CG48038)

Mercury - Soil BRL 0.03 <0.03 0.08 NC 92.6 96.8 4.4 85.8 79.6 7.5 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 540223 (mg/kg), QC Sample No: CG48041 (CG48033, CG48034, CG48035, CG48036, CG48037, CG48038)

ICP Metals - Soil

Aluminum	BRL	5.0	14100	13700	2.90	104	104	0.0	NC			75 - 125	35
Antimony	BRL	3.3	<3.9	<3.6	NC	109	108	0.9	93.8			75 - 125	35
Arsenic	BRL	0.67	2.23	3.21	NC	106	105	0.9	100			75 - 125	35
Barium	BRL	0.33	91.3	90.4	1.00	106	109	2.8	119			75 - 125	35
Beryllium	BRL	0.27	0.38	0.40	NC	101	103	2.0	103			75 - 125	35
Cadmium	BRL	0.33	1.26	1.28	NC	103	105	1.9	103			75 - 125	35
Calcium	BRL	5.0	21800	28100	25.3	106	109	2.8	NC			75 - 125	35
Chromium	BRL	0.33	23.0	27.6	18.2	103	102	1.0	104			75 - 125	35
Cobalt	BRL	0.33	8.55	9.22	7.50	104	107	2.8	102			75 - 125	35
Copper	BRL	0.67	40.0	50.8	23.8	97.8	98.8	1.0	86.6			75 - 125	35
Iron	BRL	5.0	20200	19500	3.50	83.2	84.1	1.1	NC			75 - 125	35
Lead	BRL	0.33	57.5	69.0	18.2	102	104	1.9	115			75 - 125	35
Magnesium	BRL	5.0	4310	4800	10.8	109	110	0.9	NC			75 - 125	35
Manganese	BRL	0.33	508	510	0.40	104	116	10.9	>130			75 - 125	35 m
Nickel	BRL	0.33	18.1	18.4	1.60	104	106	1.9	104			75 - 125	35
Potassium	BRL	5.0	2430	2250	7.70	113	113	0.0	>130			75 - 125	35 m
Selenium	BRL	1.3	<1.6	<1.4	NC	101	102	1.0	98.1			75 - 125	35
Silver	BRL	0.33	<0.39	<0.36	NC	95.7	98.1	2.5	99.6			75 - 125	35
Sodium	BRL	5.0	328	350	6.50	87.4	91.0	4.0	>130			75 - 125	35 m
Thallium	BRL	3.0	<1.6	<3.2	NC	103	105	1.9	99.6			75 - 125	35
Vanadium	BRL	0.33	36.4	30.4	18.0	105	106	0.9	98.9			75 - 125	35
Zinc	BRL	0.67	53.9	66.7	21.2	103	104	1.0	108			75 - 125	35

Comment:

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

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



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



QA/QC Report

August 11, 2020

QA/QC Data

SDG I.D.: GCG48033

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 540172 (ug/Kg), QC Sample No: CG48043 2X (CG48033, CG48034, CG48035, CG48036, CG48037, CG48038)										
Polychlorinated Biphenyls - Soil										
PCB-1016	ND	33	63	64	1.6	53	62	15.7	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	68	70	2.9	59	66	11.2	40 - 140	30
PCB-1262	ND	33							40 - 140	30
PCB-1268	ND	33							40 - 140	30
% DCBP (Surrogate Rec)	67	%	79	83	4.9	68	76	11.1	30 - 150	30
% DCBP (Surrogate Rec) (Confirm)	73	%	88	90	2.2	73	81	10.4	30 - 150	30
% TCMX (Surrogate Rec)	62	%	70	72	2.8	60	71	16.8	30 - 150	30
% TCMX (Surrogate Rec) (Confirm)	67	%	79	80	1.3	66	78	16.7	30 - 150	30
QA/QC Batch 540174 (ug/Kg), QC Sample No: CG48043 2X (CG48033, CG48034, CG48035, CG48036, CG48037, CG48038)										
Pesticides - Soil										
4,4' -DDD	ND	1.7	63	64	1.6	54	65	18.5	40 - 140	30
4,4' -DDE	ND	1.7	63	60	4.9	52	61	15.9	40 - 140	30
4,4' -DDT	ND	1.7	61	59	3.3	53	60	12.4	40 - 140	30
a-BHC	ND	1.0	59	56	5.2	44	55	22.2	40 - 140	30
a-Chlordane	ND	3.3	59	55	7.0	48	59	20.6	40 - 140	30
Aldrin	ND	1.0	56	53	5.5	44	51	14.7	40 - 140	30
b-BHC	ND	1.0	66	62	6.3	53	65	20.3	40 - 140	30
Chlordane	ND	3.3	60	57	5.1	49	59	18.5	40 - 140	30
d-BHC	ND	3.3	60	57	5.1	48	56	15.4	40 - 140	30
Dieldrin	ND	1.0	59	56	5.2	47	55	15.7	40 - 140	30
Endosulfan I	ND	3.3	63	58	8.3	49	54	9.7	40 - 140	30
Endosulfan II	ND	3.3	61	58	5.0	49	56	13.3	40 - 140	30
Endosulfan sulfate	ND	3.3	68	64	6.1	55	62	12.0	40 - 140	30
Endrin	ND	3.3	58	52	10.9	55	63	13.6	40 - 140	30
Endrin aldehyde	ND	3.3	62	57	8.4	38	47	21.2	40 - 140	30
Endrin ketone	ND	3.3	59	57	3.4	46	54	16.0	40 - 140	30
g-BHC	ND	1.0	63	59	6.6	48	57	17.1	40 - 140	30
g-Chlordane	ND	3.3	60	57	5.1	49	59	18.5	40 - 140	30
Heptachlor	ND	3.3	57	53	7.3	45	53	16.3	40 - 140	30
Heptachlor epoxide	ND	3.3	59	58	1.7	47	54	13.9	40 - 140	30
Methoxychlor	ND	3.3	58	57	1.7	54	63	15.4	40 - 140	30
Toxaphene	ND	130	NA	NA	NC	NA	NA	NC	40 - 140	30
% DCBP	71	%	75	70	6.9	60	69	14.0	30 - 150	30
% DCBP (Confirmation)	71	%	74	72	2.7	59	67	12.7	30 - 150	30
% TCMX	60	%	67	67	0.0	53	67	23.3	30 - 150	30
% TCMX (Confirmation)	59	%	68	63	7.6	53	62	15.7	30 - 150	30

QA/QC Data

SDG I.D.: GCG48033

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 540213 (ug/kg), QC Sample No: CG48033 (CG48033, CG48034, CG48035, CG48036, CG48037, CG48038)										
Semivolatiles - Soil										
1,2,4,5-Tetrachlorobenzene	ND	230	75	72	4.1	79	78	1.3	40 - 140	30
1,2,4-Trichlorobenzene	ND	230	76	73	4.0	80	80	0.0	40 - 140	30
1,2-Dichlorobenzene	ND	180	71	67	5.8	70	75	6.9	40 - 140	30
1,2-Diphenylhydrazine	ND	230	76	79	3.9	82	79	3.7	40 - 140	30
1,3-Dichlorobenzene	ND	230	69	66	4.4	71	74	4.1	40 - 140	30
1,4-Dichlorobenzene	ND	230	69	64	7.5	70	72	2.8	40 - 140	30
2,4,5-Trichlorophenol	ND	230	89	90	1.1	96	93	3.2	40 - 140	30
2,4,6-Trichlorophenol	ND	130	93	96	3.2	93	93	0.0	30 - 130	30
2,4-Dichlorophenol	ND	130	88	86	2.3	90	89	1.1	30 - 130	30
2,4-Dimethylphenol	ND	230	88	85	3.5	71	70	1.4	30 - 130	30
2,4-Dinitrophenol	ND	230	80	78	2.5	97	97	0.0	30 - 130	30
2,4-Dinitrotoluene	ND	130	89	90	1.1	95	92	3.2	30 - 130	30
2,6-Dinitrotoluene	ND	130	90	91	1.1	93	92	1.1	40 - 140	30
2-Chloronaphthalene	ND	230	82	82	0.0	88	85	3.5	40 - 140	30
2-Chlorophenol	ND	230	85	81	4.8	83	87	4.7	30 - 130	30
2-Methylnaphthalene	ND	230	79	76	3.9	82	83	1.2	40 - 140	30
2-Methylphenol (o-cresol)	ND	230	87	86	1.2	81	83	2.4	40 - 140	30
2-Nitroaniline	ND	330	113	118	4.3	113	112	0.9	40 - 140	30
2-Nitrophenol	ND	230	83	82	1.2	87	86	1.2	40 - 140	30
3&4-Methylphenol (m&p-cresol)	ND	230	94	90	4.3	84	89	5.8	30 - 130	30
3,3'-Dichlorobenzidine	ND	130	90	92	2.2	96	92	4.3	40 - 140	30
3-Nitroaniline	ND	330	98	102	4.0	103	101	2.0	40 - 140	30
4,6-Dinitro-2-methylphenol	ND	230	86	88	2.3	92	94	2.2	30 - 130	30
4-Bromophenyl phenyl ether	ND	230	87	87	0.0	89	87	2.3	40 - 140	30
4-Chloro-3-methylphenol	ND	230	91	93	2.2	93	96	3.2	30 - 130	30
4-Chloroaniline	ND	230	84	81	3.6	82	81	1.2	40 - 140	30
4-Chlorophenyl phenyl ether	ND	230	83	85	2.4	88	86	2.3	40 - 140	30
4-Nitroaniline	ND	230	87	89	2.3	95	91	4.3	40 - 140	30
4-Nitrophenol	ND	230	93	98	5.2	105	103	1.9	30 - 130	30
Acenaphthene	ND	230	86	86	0.0	91	89	2.2	30 - 130	30
Acenaphthylene	ND	130	80	81	1.2	84	80	4.9	40 - 140	30
Acetophenone	ND	230	76	72	5.4	76	80	5.1	40 - 140	30
Aniline	ND	330	73	70	4.2	67	67	0.0	40 - 140	30
Anthracene	ND	230	85	86	1.2	88	85	3.5	40 - 140	30
Benz(a)anthracene	ND	230	85	87	2.3	90	86	4.5	40 - 140	30
Benzidine	ND	330	73	74	1.4	12	10	18.2	40 - 140	30 m
Benzo(a)pyrene	ND	130	80	82	2.5	83	78	6.2	40 - 140	30
Benzo(b)fluoranthene	ND	160	96	97	1.0	98	96	2.1	40 - 140	30
Benzo(ghi)perylene	ND	230	77	78	1.3	85	77	9.9	40 - 140	30
Benzo(k)fluoranthene	ND	230	60	62	3.3	65	59	9.7	40 - 140	30
Benzoic Acid	ND	670	65	47	32.1	90	90	0.0	30 - 130	30 r
Benzyl butyl phthalate	ND	230	91	93	2.2	91	90	1.1	40 - 140	30
Bis(2-chloroethoxy)methane	ND	230	83	80	3.7	83	84	1.2	40 - 140	30
Bis(2-chloroethyl)ether	ND	130	69	67	2.9	69	72	4.3	40 - 140	30
Bis(2-chloroisopropyl)ether	ND	230	65	62	4.7	64	68	6.1	40 - 140	30
Bis(2-ethylhexyl)phthalate	ND	230	93	93	0.0	96	94	2.1	40 - 140	30
Carbazole	ND	230	87	87	0.0	85	85	0.0	40 - 140	30
Chrysene	ND	230	87	88	1.1	92	87	5.6	40 - 140	30
Dibenz(a,h)anthracene	ND	130	80	81	1.2	87	80	8.4	40 - 140	30
Dibenzofuran	ND	230	81	82	1.2	85	83	2.4	40 - 140	30

QA/QC Data

SDG I.D.: GCG48033

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Diethyl phthalate	ND	230	85	86	1.2	89	88	1.1	40 - 140	30
Dimethylphthalate	ND	230	86	88	2.3	90	89	1.1	40 - 140	30
Di-n-butylphthalate	ND	670	92	92	0.0	93	90	3.3	40 - 140	30
Di-n-octylphthalate	ND	230	92	93	1.1	94	92	2.2	40 - 140	30
Fluoranthene	ND	230	83	84	1.2	87	83	4.7	40 - 140	30
Fluorene	ND	230	82	83	1.2	87	84	3.5	40 - 140	30
Hexachlorobenzene	ND	130	87	87	0.0	90	87	3.4	40 - 140	30
Hexachlorobutadiene	ND	230	75	73	2.7	79	78	1.3	40 - 140	30
Hexachlorocyclopentadiene	ND	230	65	64	1.6	61	56	8.5	40 - 140	30
Hexachloroethane	ND	130	71	67	5.8	71	74	4.1	40 - 140	30
Indeno(1,2,3-cd)pyrene	ND	230	75	76	1.3	83	75	10.1	40 - 140	30
Isophorone	ND	130	73	71	2.8	74	75	1.3	40 - 140	30
Naphthalene	ND	230	75	72	4.1	79	79	0.0	40 - 140	30
Nitrobenzene	ND	130	77	74	4.0	78	82	5.0	40 - 140	30
N-Nitrosodimethylamine	ND	230	64	62	3.2	65	67	3.0	40 - 140	30
N-Nitrosodi-n-propylamine	ND	130	78	75	3.9	76	81	6.4	40 - 140	30
N-Nitrosodiphenylamine	ND	130	87	88	1.1	86	84	2.4	40 - 140	30
Pentachloronitrobenzene	ND	230	81	83	2.4	83	82	1.2	40 - 140	30
Pentachlorophenol	ND	230	98	98	0.0	97	98	1.0	30 - 130	30
Phenanthrene	ND	130	85	86	1.2	90	85	5.7	40 - 140	30
Phenol	ND	230	89	85	4.6	85	89	4.6	30 - 130	30
Pyrene	ND	230	84	84	0.0	89	85	4.6	30 - 130	30
Pyridine	ND	230	52	48	8.0	58	53	9.0	40 - 140	30
% 2,4,6-Tribromophenol	90	%	89	89	0.0	86	86	0.0	30 - 130	30
% 2-Fluorobiphenyl	81	%	72	73	1.4	77	75	2.6	30 - 130	30
% 2-Fluorophenol	79	%	77	74	4.0	73	77	5.3	30 - 130	30
% Nitrobenzene-d5	77	%	73	69	5.6	72	76	5.4	30 - 130	30
% Phenol-d5	81	%	84	79	6.1	79	82	3.7	30 - 130	30
% Terphenyl-d14	84	%	88	87	1.1	89	87	2.3	30 - 130	30

Comment:

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

QA/QC Batch 540724 (ug/kg), QC Sample No: CG49979 (CG48035, CG48037, CG48038)

Volatiles - Soil (Low Level)

1,1,1,2-Tetrachloroethane	ND	5.0	94	86	8.9	88	83	5.8	70 - 130	30
1,1,1-Trichloroethane	ND	5.0	87	80	8.4	83	80	3.7	70 - 130	30
1,1,2,2-Tetrachloroethane	ND	3.0	100	88	12.8	91	84	8.0	70 - 130	30
1,1,2-Trichloroethane	ND	5.0	96	86	11.0	89	83	7.0	70 - 130	30
1,1-Dichloroethane	ND	5.0	96	87	9.8	93	88	5.5	70 - 130	30
1,1-Dichloroethene	ND	5.0	104	95	9.0	98	94	4.2	70 - 130	30
1,1-Dichloropropene	ND	5.0	103	93	10.2	98	94	4.2	70 - 130	30
1,2,3-Trichlorobenzene	ND	5.0	92	84	9.1	77	71	8.1	70 - 130	30
1,2,3-Trichloropropane	ND	5.0	102	87	15.9	90	82	9.3	70 - 130	30
1,2,4-Trichlorobenzene	ND	5.0	92	85	7.9	74	69	7.0	70 - 130	30
1,2,4-Trimethylbenzene	ND	1.0	91	81	11.6	84	78	7.4	70 - 130	30
1,2-Dibromo-3-chloropropane	ND	5.0	95	80	17.1	79	71	10.7	70 - 130	30
1,2-Dibromoethane	ND	5.0	95	85	11.1	90	81	10.5	70 - 130	30
1,2-Dichlorobenzene	ND	5.0	93	83	11.4	84	77	8.7	70 - 130	30
1,2-Dichloroethane	ND	5.0	96	87	9.8	90	83	8.1	70 - 130	30
1,2-Dichloropropane	ND	5.0	101	91	10.4	96	89	7.6	70 - 130	30
1,3,5-Trimethylbenzene	ND	1.0	92	83	10.3	86	80	7.2	70 - 130	30
1,3-Dichlorobenzene	ND	5.0	93	84	10.2	83	77	7.5	70 - 130	30

QA/QC Data

SDG I.D.: GCG48033

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
1,3-Dichloropropane	ND	5.0	100	91	9.4	96	88	8.7	70 - 130	30
1,4-Dichlorobenzene	ND	5.0	92	82	11.5	82	75	8.9	70 - 130	30
1,4-dioxane	ND	100	117	102	13.7	109	98	10.6	70 - 130	30
2,2-Dichloropropane	ND	5.0	85	81	4.8	80	73	9.2	70 - 130	30
2-Chlorotoluene	ND	5.0	97	87	10.9	88	83	5.8	70 - 130	30
2-Hexanone	ND	25	112	95	16.4	97	90	7.5	70 - 130	30
2-Isopropyltoluene	ND	5.0	99	90	9.5	95	87	8.8	70 - 130	30
4-Chlorotoluene	ND	5.0	95	85	11.1	86	80	7.2	70 - 130	30
4-Methyl-2-pentanone	ND	25	116	100	14.8	103	95	8.1	70 - 130	30
Acetone	ND	10	106	87	19.7	115	102	12.0	70 - 130	30
Acrolein	ND	25	91	81	11.6	74	67	9.9	70 - 130	30
Acrylonitrile	ND	5.0	105	96	9.0	92	88	4.4	70 - 130	30
Benzene	ND	1.0	101	91	10.4	95	90	5.4	70 - 130	30
Bromobenzene	ND	5.0	91	82	10.4	85	79	7.3	70 - 130	30
Bromochloromethane	ND	5.0	94	87	7.7	91	85	6.8	70 - 130	30
Bromodichloromethane	ND	5.0	93	83	11.4	86	79	8.5	70 - 130	30
Bromoform	ND	5.0	91	81	11.6	77	73	5.3	70 - 130	30
Bromomethane	ND	5.0	102	89	13.6	102	92	10.3	70 - 130	30
Carbon Disulfide	ND	5.0	111	101	9.4	104	100	3.9	70 - 130	30
Carbon tetrachloride	ND	5.0	88	80	9.5	80	78	2.5	70 - 130	30
Chlorobenzene	ND	5.0	100	91	9.4	95	89	6.5	70 - 130	30
Chloroethane	ND	5.0	100	88	12.8	96	95	1.0	70 - 130	30
Chloroform	ND	5.0	89	83	7.0	87	82	5.9	70 - 130	30
Chloromethane	ND	5.0	100	93	7.3	95	89	6.5	70 - 130	30
cis-1,2-Dichloroethene	ND	5.0	100	76	27.3	87	89	2.3	70 - 130	30
cis-1,3-Dichloropropene	ND	5.0	93	84	10.2	83	78	6.2	70 - 130	30
Dibromochloromethane	ND	3.0	100	88	12.8	90	84	6.9	70 - 130	30
Dibromomethane	ND	5.0	94	84	11.2	90	82	9.3	70 - 130	30
Dichlorodifluoromethane	ND	5.0	113	102	10.2	108	103	4.7	70 - 130	30
Ethylbenzene	ND	1.0	101	92	9.3	95	91	4.3	70 - 130	30
Hexachlorobutadiene	ND	5.0	95	85	11.1	86	77	11.0	70 - 130	30
Isopropylbenzene	ND	1.0	97	87	10.9	93	87	6.7	70 - 130	30
m&p-Xylene	ND	2.0	100	91	9.4	95	90	5.4	70 - 130	30
Methyl ethyl ketone	ND	5.0	105	97	7.9	96	86	11.0	70 - 130	30
Methyl t-butyl ether (MTBE)	ND	1.0	96	87	9.8	91	85	6.8	70 - 130	30
Methylene chloride	ND	5.0	86	78	9.8	86	80	7.2	70 - 130	30
Naphthalene	ND	5.0	97	86	12.0	82	74	10.3	70 - 130	30
n-Butylbenzene	ND	1.0	98	88	10.8	89	84	5.8	70 - 130	30
n-Propylbenzene	ND	1.0	98	88	10.8	92	87	5.6	70 - 130	30
o-Xylene	ND	2.0	98	90	8.5	93	87	6.7	70 - 130	30
p-Isopropyltoluene	ND	1.0	97	87	10.9	91	85	6.8	70 - 130	30
sec-Butylbenzene	ND	1.0	104	92	12.2	98	91	7.4	70 - 130	30
Styrene	ND	5.0	95	87	8.8	89	84	5.8	70 - 130	30
tert-butyl alcohol	ND	100	95	84	12.3	92	78	16.5	70 - 130	30
tert-Butylbenzene	ND	1.0	95	85	11.1	91	84	8.0	70 - 130	30
Tetrachloroethene	ND	5.0	102	93	9.2	97	92	5.3	70 - 130	30
Tetrahydrofuran (THF)	ND	5.0	111	98	12.4	101	93	8.2	70 - 130	30
Toluene	ND	1.0	99	90	9.5	94	89	5.5	70 - 130	30
trans-1,2-Dichloroethene	ND	5.0	107	95	11.9	103	97	6.0	70 - 130	30
trans-1,3-Dichloropropene	ND	5.0	90	82	9.3	79	74	6.5	70 - 130	30
trans-1,4-dichloro-2-butene	ND	5.0	106	91	15.2	82	74	10.3	70 - 130	30
Trichloroethene	ND	5.0	103	92	11.3	97	92	5.3	70 - 130	30
Trichlorofluoromethane	ND	5.0	103	93	10.2	99	94	5.2	70 - 130	30

QA/QC Data

SDG I.D.: GCG48033

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Trichlorotrifluoroethane	ND	5.0	106	96	9.9	101	99	2.0	70 - 130	30
Vinyl chloride	ND	5.0	117	107	8.9	111	109	1.8	70 - 130	30
% 1,2-dichlorobenzene-d4	100	%	100	100	0.0	99	100	1.0	70 - 130	30
% Bromofluorobenzene	99	%	100	102	2.0	101	102	1.0	70 - 130	30
% Dibromofluoromethane	94	%	91	95	4.3	93	92	1.1	70 - 130	30
% Toluene-d8	100	%	100	100	0.0	99	100	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 540872 (ug/kg), QC Sample No: CG49981 (CG48034)

Volatiles - Soil (Low Level)

1,1,1,2-Tetrachloroethane	ND	5.0	104	107	2.8	94			70 - 130	30	
1,1,1-Trichloroethane	ND	5.0	103	107	3.8	101			70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	3.0	108	109	0.9	<10			70 - 130	30	m
1,1,2-Trichloroethane	ND	5.0	98	102	4.0	75			70 - 130	30	
1,1-Dichloroethane	ND	5.0	102	103	1.0	97			70 - 130	30	
1,1-Dichloroethene	ND	5.0	108	110	1.8	105			70 - 130	30	
1,1-Dichloropropene	ND	5.0	102	105	2.9	91			70 - 130	30	
1,2,3-Trichlorobenzene	ND	5.0	102	108	5.7	57			70 - 130	30	m
1,2,3-Trichloropropane	ND	5.0	99	102	3.0	100			70 - 130	30	
1,2,4-Trichlorobenzene	ND	5.0	101	106	4.8	57			70 - 130	30	m
1,2,4-Trimethylbenzene	ND	1.0	98	101	3.0	91			70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	5.0	114	124	8.4	87			70 - 130	30	
1,2-Dibromoethane	ND	5.0	101	103	2.0	74			70 - 130	30	
1,2-Dichlorobenzene	ND	5.0	99	102	3.0	78			70 - 130	30	
1,2-Dichloroethane	ND	5.0	104	107	2.8	86			70 - 130	30	
1,2-Dichloropropane	ND	5.0	101	104	2.9	96			70 - 130	30	
1,3,5-Trimethylbenzene	ND	1.0	96	99	3.1	94			70 - 130	30	
1,3-Dichlorobenzene	ND	5.0	97	100	3.0	74			70 - 130	30	
1,3-Dichloropropane	ND	5.0	100	103	3.0	87			70 - 130	30	
1,4-Dichlorobenzene	ND	5.0	99	101	2.0	70			70 - 130	30	
1,4-dioxane	ND	100	116	113	2.6	120			70 - 130	30	
2,2-Dichloropropane	ND	5.0	108	110	1.8	104			70 - 130	30	
2-Chlorotoluene	ND	5.0	97	99	2.0	93			70 - 130	30	
2-Hexanone	ND	25	94	98	4.2	83			70 - 130	30	
2-Isopropyltoluene	ND	5.0	104	107	2.8	93			70 - 130	30	
4-Chlorotoluene	ND	5.0	96	99	3.1	80			70 - 130	30	
4-Methyl-2-pentanone	ND	25	105	110	4.7	97			70 - 130	30	
Acetone	ND	10	89	94	5.5	79			70 - 130	30	
Acrolein	ND	25	100	101	1.0	28			70 - 130	30	m
Acrylonitrile	ND	5.0	110	113	2.7	90			70 - 130	30	
Benzene	ND	1.0	100	102	2.0	93			70 - 130	30	
Bromobenzene	ND	5.0	98	99	1.0	82			70 - 130	30	
Bromochloromethane	ND	5.0	99	105	5.9	82			70 - 130	30	
Bromodichloromethane	ND	5.0	107	109	1.9	91			70 - 130	30	
Bromoform	ND	5.0	102	107	4.8	80			70 - 130	30	
Bromomethane	ND	5.0	106	105	0.9	91			70 - 130	30	
Carbon Disulfide	ND	5.0	104	106	1.9	76			70 - 130	30	
Carbon tetrachloride	ND	5.0	105	109	3.7	100			70 - 130	30	
Chlorobenzene	ND	5.0	98	99	1.0	80			70 - 130	30	
Chloroethane	ND	5.0	104	105	1.0	91			70 - 130	30	
Chloroform	ND	5.0	99	102	3.0	95			70 - 130	30	

QA/QC Data

SDG I.D.: GCG48033

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Chloromethane	ND	5.0	89	90	1.1	83			70 - 130	30
cis-1,2-Dichloroethene	ND	5.0	95	96	1.0	80			70 - 130	30
cis-1,3-Dichloropropene	ND	5.0	106	108	1.9	78			70 - 130	30
Dibromochloromethane	ND	3.0	109	113	3.6	89			70 - 130	30
Dibromomethane	ND	5.0	103	104	1.0	74			70 - 130	30
Dichlorodifluoromethane	ND	5.0	96	101	5.1	91			70 - 130	30
Ethylbenzene	ND	1.0	97	100	3.0	88			70 - 130	30
Hexachlorobutadiene	ND	5.0	101	109	7.6	63			70 - 130	30
Isopropylbenzene	ND	1.0	97	100	3.0	97			70 - 130	30
m&p-Xylene	ND	2.0	96	99	3.1	85			70 - 130	30
Methyl ethyl ketone	ND	5.0	99	103	4.0	93			70 - 130	30
Methyl t-butyl ether (MTBE)	ND	1.0	106	107	0.9	99			70 - 130	30
Methylene chloride	ND	5.0	96	96	0.0	87			70 - 130	30
Naphthalene	ND	5.0	107	114	6.3	75			70 - 130	30
n-Butylbenzene	ND	1.0	104	114	9.2	86			70 - 130	30
n-Propylbenzene	ND	1.0	98	101	3.0	94			70 - 130	30
o-Xylene	ND	2.0	98	101	3.0	89			70 - 130	30
p-Isopropyltoluene	ND	1.0	100	106	5.8	89			70 - 130	30
sec-Butylbenzene	ND	1.0	105	110	4.7	96			70 - 130	30
Styrene	ND	5.0	98	99	1.0	76			70 - 130	30
tert-butyl alcohol	ND	100	100	96	4.1	98			70 - 130	30
tert-Butylbenzene	ND	1.0	98	101	3.0	94			70 - 130	30
Tetrachloroethene	ND	5.0	97	101	4.0	88			70 - 130	30
Tetrahydrofuran (THF)	ND	5.0	105	108	2.8	96			70 - 130	30
Toluene	ND	1.0	100	103	3.0	91			70 - 130	30
trans-1,2-Dichloroethene	ND	5.0	112	114	1.8	86			70 - 130	30
trans-1,3-Dichloropropene	ND	5.0	110	110	0.0	66			70 - 130	30
trans-1,4-dichloro-2-butene	ND	5.0	130	135	3.8	87			70 - 130	30
Trichloroethene	ND	5.0	98	100	2.0	145			70 - 130	30
Trichlorofluoromethane	ND	5.0	102	106	3.8	97			70 - 130	30
Trichlorotrifluoroethane	ND	5.0	102	108	5.7	96			70 - 130	30
Vinyl chloride	ND	5.0	102	104	1.9	92			70 - 130	30
% 1,2-dichlorobenzene-d4	96	%	101	102	1.0	103			70 - 130	30
% Bromofluorobenzene	101	%	102	101	1.0	97			70 - 130	30
% Dibromofluoromethane	102	%	99	101	2.0	72			70 - 130	30
% Toluene-d8	95	%	103	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 Batch 540717 (ug/kg), QC Sample No: CG50004 (CG48033, CG48040)

Volatiles - Soil (Low Level)

1,1,1,2-Tetrachloroethane	ND	5.0	86	88	2.3	89	90	1.1	70 - 130	30
1,1,1-Trichloroethane	ND	5.0	82	82	0.0	83	85	2.4	70 - 130	30
1,1,2,2-Tetrachloroethane	ND	3.0	87	92	5.6	114	120	5.1	70 - 130	30
1,1,2-Trichloroethane	ND	5.0	86	89	3.4	92	94	2.2	70 - 130	30
1,1-Dichloroethane	ND	5.0	87	87	0.0	91	92	1.1	70 - 130	30
1,1-Dichloroethene	ND	5.0	94	94	0.0	102	103	1.0	70 - 130	30
1,1-Dichloropropene	ND	5.0	97	96	1.0	99	100	1.0	70 - 130	30
1,2,3-Trichlorobenzene	ND	5.0	87	89	2.3	44	42	4.7	70 - 130	30
1,2,3-Trichloropropane	ND	5.0	88	94	6.6	119	125	4.9	70 - 130	30
1,2,4-Trichlorobenzene	ND	5.0	87	87	0.0	53	50	5.8	70 - 130	30

QA/QC Data

SDG I.D.: GCG48033

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
1,2,4-Trimethylbenzene	ND	1.0	85	87	2.3	82	79	3.7	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	5.0	75	82	8.9	90	97	7.5	70 - 130	30	
1,2-Dibromoethane	ND	5.0	86	88	2.3	95	98	3.1	70 - 130	30	
1,2-Dichlorobenzene	ND	5.0	86	88	2.3	88	87	1.1	70 - 130	30	
1,2-Dichloroethane	ND	5.0	87	88	1.1	91	93	2.2	70 - 130	30	
1,2-Dichloropropane	ND	5.0	92	94	2.2	97	98	1.0	70 - 130	30	
1,3,5-Trimethylbenzene	ND	1.0	86	87	1.2	88	84	4.7	70 - 130	30	
1,3-Dichlorobenzene	ND	5.0	87	88	1.1	91	90	1.1	70 - 130	30	
1,3-Dichloropropane	ND	5.0	91	94	3.2	102	106	3.8	70 - 130	30	
1,4-Dichlorobenzene	ND	5.0	85	87	2.3	93	92	1.1	70 - 130	30	
1,4-dioxane	ND	100	103	105	1.9	136	125	8.4	70 - 130	30	m
2,2-Dichloropropane	ND	5.0	83	83	0.0	77	82	6.3	70 - 130	30	
2-Chlorotoluene	ND	5.0	89	91	2.2	103	102	1.0	70 - 130	30	
2-Hexanone	ND	25	90	92	2.2	50	48	4.1	70 - 130	30	m
2-Isopropyltoluene	ND	5.0	90	92	2.2	73	69	5.6	70 - 130	30	m
4-Chlorotoluene	ND	5.0	88	89	1.1	102	100	2.0	70 - 130	30	
4-Methyl-2-pentanone	ND	25	89	96	7.6	65	63	3.1	70 - 130	30	m
Acetone	ND	10	91	92	1.1	83	88	5.8	70 - 130	30	
Acrolein	ND	25	68	75	9.8	18	17	5.7	70 - 130	30	l,m
Acrylonitrile	ND	5.0	82	91	10.4	96	96	0.0	70 - 130	30	
Benzene	ND	1.0	93	94	1.1	99	99	0.0	70 - 130	30	
Bromobenzene	ND	5.0	86	87	1.2	106	108	1.9	70 - 130	30	
Bromochloromethane	ND	5.0	86	87	1.2	93	95	2.1	70 - 130	30	
Bromodichloromethane	ND	5.0	84	86	2.4	86	88	2.3	70 - 130	30	
Bromoform	ND	5.0	75	80	6.5	76	82	7.6	70 - 130	30	
Bromomethane	ND	5.0	87	86	1.2	99	98	1.0	70 - 130	30	
Carbon Disulfide	ND	5.0	93	93	0.0	94	94	0.0	70 - 130	30	
Carbon tetrachloride	ND	5.0	81	81	0.0	79	82	3.7	70 - 130	30	
Chlorobenzene	ND	5.0	94	94	0.0	99	100	1.0	70 - 130	30	
Chloroethane	ND	5.0	93	89	4.4	90	98	8.5	70 - 130	30	
Chloroform	ND	5.0	84	84	0.0	86	88	2.3	70 - 130	30	
Chloromethane	ND	5.0	86	86	0.0	97	99	2.0	70 - 130	30	
cis-1,2-Dichloroethene	ND	5.0	90	86	4.5	87	88	1.1	70 - 130	30	
cis-1,3-Dichloropropene	ND	5.0	84	85	1.2	84	85	1.2	70 - 130	30	
Dibromochloromethane	ND	3.0	87	90	3.4	92	96	4.3	70 - 130	30	
Dibromomethane	ND	5.0	85	89	4.6	91	92	1.1	70 - 130	30	
Dichlorodifluoromethane	ND	5.0	91	89	2.2	114	115	0.9	70 - 130	30	
Ethylbenzene	ND	1.0	95	95	0.0	97	97	0.0	70 - 130	30	
Hexachlorobutadiene	ND	5.0	94	91	3.2	40	37	7.8	70 - 130	30	m
Isopropylbenzene	ND	1.0	92	92	0.0	103	101	2.0	70 - 130	30	
m&p-Xylene	ND	2.0	95	94	1.1	95	94	1.1	70 - 130	30	
Methyl ethyl ketone	ND	5.0	87	92	5.6	86	87	1.2	70 - 130	30	
Methyl t-butyl ether (MTBE)	ND	1.0	75	78	3.9	92	93	1.1	70 - 130	30	
Methylene chloride	ND	5.0	77	79	2.6	84	84	0.0	70 - 130	30	
Naphthalene	ND	5.0	87	92	5.6	71	69	2.9	70 - 130	30	m
n-Butylbenzene	ND	1.0	94	92	2.2	66	60	9.5	70 - 130	30	m
n-Propylbenzene	ND	1.0	92	92	0.0	98	96	2.1	70 - 130	30	
o-Xylene	ND	2.0	92	93	1.1	94	93	1.1	70 - 130	30	
p-Isopropyltoluene	ND	1.0	92	92	0.0	75	71	5.5	70 - 130	30	
sec-Butylbenzene	ND	1.0	97	98	1.0	74	69	7.0	70 - 130	30	m
Styrene	ND	5.0	90	91	1.1	89	89	0.0	70 - 130	30	
tert-butyl alcohol	ND	100	82	82	0.0	104	100	3.9	70 - 130	30	
tert-Butylbenzene	ND	1.0	89	91	2.2	75	70	6.9	70 - 130	30	

QA/QC Data

SDG I.D.: GCG48033

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Tetrachloroethene	ND	5.0	99	96	3.1	96	95	1.0	70 - 130	30
Tetrahydrofuran (THF)	ND	5.0	87	94	7.7	101	104	2.9	70 - 130	30
Toluene	ND	1.0	93	94	1.1	96	96	0.0	70 - 130	30
trans-1,2-Dichloroethene	ND	5.0	97	95	2.1	101	104	2.9	70 - 130	30
trans-1,3-Dichloropropene	ND	5.0	81	83	2.4	81	83	2.4	70 - 130	30
trans-1,4-dichloro-2-butene	ND	5.0	83	89	7.0	101	104	2.9	70 - 130	30
Trichloroethene	ND	5.0	96	95	1.0	100	101	1.0	70 - 130	30
Trichlorofluoromethane	ND	5.0	91	90	1.1	99	98	1.0	70 - 130	30
Trichlorotrifluoroethane	ND	5.0	92	92	0.0	102	104	1.9	70 - 130	30
Vinyl chloride	ND	5.0	102	103	1.0	115	115	0.0	70 - 130	30
% 1,2-dichlorobenzene-d4	100	%	99	100	1.0	95	95	0.0	70 - 130	30
% Bromofluorobenzene	97	%	100	101	1.0	95	94	1.1	70 - 130	30
% Dibromofluoromethane	91	%	93	93	0.0	94	95	1.1	70 - 130	30
% Toluene-d8	99	%	100	101	1.0	99	98	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 540717H (ug/kg), QC Sample No: CG50004 50X (CG48036 (50X) , CG48039 (50X))

Volatiles - Soil (High Level)

1,1,1,2-Tetrachloroethane	ND	250	94	92	2.2	89	89	0.0	70 - 130	30
1,1,1-Trichloroethane	ND	250	89	88	1.1	87	87	0.0	70 - 130	30
1,1,2,2-Tetrachloroethane	ND	250	99	100	1.0	100	99	1.0	70 - 130	30
1,1,2-Trichloroethane	ND	250	95	95	0.0	94	94	0.0	70 - 130	30
1,1-Dichloroethane	ND	250	95	94	1.1	95	92	3.2	70 - 130	30
1,1-Dichloroethene	ND	250	92	94	2.2	97	96	1.0	70 - 130	30
1,1-Dichloropropene	ND	250	109	108	0.9	113	108	4.5	70 - 130	30
1,2,3-Trichlorobenzene	ND	250	104	105	1.0	107	103	3.8	70 - 130	30
1,2,3-Trichloropropane	ND	250	101	102	1.0	100	100	0.0	70 - 130	30
1,2,4-Trichlorobenzene	ND	250	107	108	0.9	109	105	3.7	70 - 130	30
1,2,4-Trimethylbenzene	ND	250	98	98	0.0	99	94	5.2	70 - 130	30
1,2-Dibromo-3-chloropropane	ND	250	92	93	1.1	90	89	1.1	70 - 130	30
1,2-Dibromoethane	ND	250	96	96	0.0	95	95	0.0	70 - 130	30
1,2-Dichlorobenzene	ND	250	100	100	0.0	100	97	3.0	70 - 130	30
1,2-Dichloroethane	ND	250	95	93	2.1	94	95	1.1	70 - 130	30
1,2-Dichloropropane	ND	250	103	101	2.0	102	100	2.0	70 - 130	30
1,3,5-Trimethylbenzene	ND	250	99	98	1.0	101	95	6.1	70 - 130	30
1,3-Dichlorobenzene	ND	250	101	101	0.0	101	97	4.0	70 - 130	30
1,3-Dichloropropane	ND	250	103	101	2.0	101	100	1.0	70 - 130	30
1,4-Dichlorobenzene	ND	250	100	100	0.0	100	96	4.1	70 - 130	30
1,4-dioxane	ND	5000	114	112	1.8	109	112	2.7	70 - 130	30
2,2-Dichloropropane	ND	250	90	88	2.2	88	85	3.5	70 - 130	30
2-Chlorotoluene	ND	250	102	102	0.0	103	98	5.0	70 - 130	30
2-Hexanone	ND	1300	97	99	2.0	106	106	0.0	70 - 130	30
2-Isopropyltoluene	ND	250	102	103	1.0	110	104	5.6	70 - 130	30
4-Chlorotoluene	ND	250	102	100	2.0	101	97	4.0	70 - 130	30
4-Methyl-2-pentanone	ND	1300	101	102	1.0	111	109	1.8	70 - 130	30
Acetone	ND	500	77	81	5.1	84	84	0.0	70 - 130	30
Acrolein	ND	1300	77	76	1.3	80	82	2.5	70 - 130	30
Acrylonitrile	ND	250	93	97	4.2	102	102	0.0	70 - 130	30
Benzene	ND	250	104	103	1.0	106	103	2.9	70 - 130	30
Bromobenzene	ND	250	97	96	1.0	96	92	4.3	70 - 130	30
Bromochloromethane	ND	250	93	93	0.0	92	92	0.0	70 - 130	30

QA/QC Data

SDG I.D.: GCG48033

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Bromodichloromethane	ND	250	91	88	3.4	83	85	2.4	70 - 130	30	
Bromoform	ND	250	82	80	2.5	68	74	8.5	70 - 130	30	m
Bromomethane	ND	250	72	73	1.4	70	74	5.6	70 - 130	30	
Carbon Disulfide	ND	250	90	94	4.3	101	99	2.0	70 - 130	30	
Carbon tetrachloride	ND	250	86	86	0.0	81	81	0.0	70 - 130	30	
Chlorobenzene	ND	250	106	104	1.9	106	103	2.9	70 - 130	30	
Chloroethane	ND	250	36	35	2.8	38	34	11.1	70 - 130	30	I,m
Chloroform	ND	250	84	83	1.2	81	86	6.0	70 - 130	30	
Chloromethane	ND	250	104	100	3.9	106	104	1.9	70 - 130	30	
cis-1,2-Dichloroethene	ND	250	86	101	16.0	84	80	4.9	70 - 130	30	
cis-1,3-Dichloropropene	ND	250	92	91	1.1	87	88	1.1	70 - 130	30	
Dibromochloromethane	ND	150	95	93	2.1	83	85	2.4	70 - 130	30	
Dibromomethane	ND	250	94	93	1.1	92	92	0.0	70 - 130	30	
Dichlorodifluoromethane	ND	250	107	105	1.9	125	120	4.1	70 - 130	30	
Ethylbenzene	ND	250	108	108	0.0	110	106	3.7	70 - 130	30	
Hexachlorobutadiene	ND	250	115	117	1.7	118	110	7.0	70 - 130	30	
Isopropylbenzene	ND	250	105	104	1.0	108	101	6.7	70 - 130	30	
m&p-Xylene	ND	250	108	106	1.9	109	105	3.7	70 - 130	30	
Methyl ethyl ketone	ND	250	96	99	3.1	107	105	1.9	70 - 130	30	
Methyl t-butyl ether (MTBE)	ND	250	83	82	1.2	89	91	2.2	70 - 130	30	
Methylene chloride	ND	250	83	82	1.2	83	83	0.0	70 - 130	30	
Naphthalene	ND	250	102	105	2.9	110	108	1.8	70 - 130	30	
n-Butylbenzene	ND	250	110	110	0.0	113	105	7.3	70 - 130	30	
n-Propylbenzene	ND	250	106	105	0.9	109	103	5.7	70 - 130	30	
o-Xylene	ND	250	104	103	1.0	106	102	3.8	70 - 130	30	
p-Isopropyltoluene	ND	250	107	107	0.0	109	102	6.6	70 - 130	30	
sec-Butylbenzene	ND	250	111	112	0.9	116	108	7.1	70 - 130	30	
Styrene	ND	250	103	101	2.0	102	99	3.0	70 - 130	30	
tert-butyl alcohol	ND	5000	92	88	4.4	85	87	2.3	70 - 130	30	
tert-Butylbenzene	ND	250	102	101	1.0	104	99	4.9	70 - 130	30	
Tetrachloroethene	ND	250	109	112	2.7	115	111	3.5	70 - 130	30	
Tetrahydrofuran (THF)	ND	250	98	101	3.0	107	106	0.9	70 - 130	30	
Toluene	ND	250	104	103	1.0	105	104	1.0	70 - 130	30	
trans-1,2-Dichloroethene	ND	250	107	105	1.9	110	107	2.8	70 - 130	30	
trans-1,3-Dichloropropene	ND	250	89	87	2.3	82	83	1.2	70 - 130	30	
trans-1,4-dichloro-2-butene	ND	250	94	93	1.1	91	91	0.0	70 - 130	30	
Trichloroethene	ND	250	109	106	2.8	111	107	3.7	70 - 130	30	
Trichlorofluoromethane	ND	250	28	27	3.6	29	28	3.5	70 - 130	30	I,m
Trichlorotrifluoroethane	ND	250	95	96	1.0	106	103	2.9	70 - 130	30	
Vinyl chloride	ND	250	126	125	0.8	134	130	3.0	70 - 130	30	m
% 1,2-dichlorobenzene-d4	101	%	100	101	1.0	101	101	0.0	70 - 130	30	
% Bromofluorobenzene	97	%	100	98	2.0	100	101	1.0	70 - 130	30	
% Dibromofluoromethane	89	%	89	91	2.2	88	91	3.4	70 - 130	30	
% Toluene-d8	98	%	100	101	1.0	100	101	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.

I = 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.

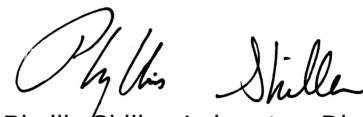
QA/QC Data

SDG I.D.: GCG48033

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

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

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


Phyllis Shiller, Laboratory Director
August 11, 2020

Tuesday, August 11, 2020

Criteria: NJ: RC; NY: 375, 375GWP, 375RRS, 375RS;

State: NY

Sample Criteria Exceedances Report

GCG48033 - EBC

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CG48033	\$8270SMRDP	Bis(2-chloroethyl)ether	PA / Reg Fill Limits GP-1a / Organics	ND	76	17	17	ug/Kg
CG48033	\$8270SMRDP	N-Nitrosodimethylamine	PA / Reg Fill Limits GP-1a / Organics	ND	76	0.17	0.17	ug/Kg
CG48033	\$8270SMRDP	N-Nitrosodi-n-propylamine	PA / Reg Fill Limits GP-1a / Organics	ND	76	5.1	5.1	ug/Kg
CG48034	\$8270SMRDP	Bis(2-chloroethyl)ether	PA / Reg Fill Limits GP-1a / Organics	ND	73	17	17	ug/Kg
CG48034	\$8270SMRDP	N-Nitrosodimethylamine	PA / Reg Fill Limits GP-1a / Organics	ND	73	0.17	0.17	ug/Kg
CG48034	\$8270SMRDP	N-Nitrosodi-n-propylamine	PA / Reg Fill Limits GP-1a / Organics	ND	73	5.1	5.1	ug/Kg
CG48034	CR-SM	Chromium	NY / 375-6.8 Metals / Unrestricted Use Soil	35.0	0.36	30		mg/Kg
CG48035	\$8270SMRDP	Benz(a)anthracene	NJ / Soil Remediation Standard / Res. Direct Contact	6100	270	5000	200	ug/Kg
CG48035	\$8270SMRDP	Dibenz(a,h)anthracene	NJ / Soil Remediation Standard / Res. Direct Contact	1000	190	500	200	ug/Kg
CG48035	\$8270SMRDP	Benzo(a)pyrene	NJ / Soil Remediation Standard / Res. Direct Contact	5300	190	500	200	ug/Kg
CG48035	\$8270SMRDP	Benzo(b)fluoranthene	NJ / Soil Remediation Standard / Res. Direct Contact	5700	270	5000	200	ug/Kg
CG48035	\$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Ground Water Protection	6100	270	1000	1000	ug/Kg
CG48035	\$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Ground Water Protection	5700	270	1700	1700	ug/Kg
CG48035	\$8270SMRDP	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Ground Water Protection	3400	270	1700	1700	ug/Kg
CG48035	\$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Ground Water Protection	6000	270	1000	1000	ug/Kg
CG48035	\$8270SMRDP	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential	1000	190	330	330	ug/Kg
CG48035	\$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	6100	270	1000	1000	ug/Kg
CG48035	\$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	3200	270	500	500	ug/Kg
CG48035	\$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	5300	190	1000	1000	ug/Kg
CG48035	\$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	5700	270	1000	1000	ug/Kg
CG48035	\$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Residential	6000	270	1000	1000	ug/Kg
CG48035	\$8270SMRDP	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	3400	270	1000	1000	ug/Kg
CG48035	\$8270SMRDP	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	1000	190	330	330	ug/Kg
CG48035	\$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	3200	270	500	500	ug/Kg
CG48035	\$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	6100	270	1000	1000	ug/Kg
CG48035	\$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	5300	190	1000	1000	ug/Kg
CG48035	\$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	5700	270	1000	1000	ug/Kg
CG48035	\$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Residential Restricted	6000	270	3900	3900	ug/Kg
CG48035	\$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	3200	270	500	500	ug/Kg
CG48035	\$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	6000	270	1000	1000	ug/Kg
CG48035	\$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	5700	270	1000	1000	ug/Kg
CG48035	\$8270SMRDP	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	3400	270	800	800	ug/Kg
CG48035	\$8270SMRDP	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1000	190	330	330	ug/Kg
CG48035	\$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	5300	190	1000	1000	ug/Kg
CG48035	\$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	6100	270	1000	1000	ug/Kg
CG48035	\$8270SMRDP	Bis(2-chloroethyl)ether	PA / Reg Fill Limits GP-1a / Organics	ND	77	17	17	ug/Kg
CG48035	\$8270SMRDP	N-Nitrosodi-n-propylamine	PA / Reg Fill Limits GP-1a / Organics	ND	77	5.1	5.1	ug/Kg
CG48035	\$8270SMRDP	N-Nitrosodimethylamine	PA / Reg Fill Limits GP-1a / Organics	ND	77	0.17	0.17	ug/Kg
CG48035	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.33	0.03	0.18	0.18	mg/Kg
CG48035	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	276	0.7	63	63	mg/Kg

Tuesday, August 11, 2020

Criteria: NJ: RC; NY: 375, 375GWP, 375RRS, 375RS;

State: NY

Sample Criteria Exceedances Report

GCG48033 - EBC

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CG48035	ZN-SMDP	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	149	0.7	109	109	mg/Kg
CG48036	\$8260MADPR	1,2-Dibromoethane	NJ / Soil Remediation Standard / Res. Direct Contact	ND	26	8	5	ug/Kg
CG48036	\$8260MADPR	Acetone	NY / 375-6.8 Volatiles / Ground Water Protection	ND	260	50	50	ug/Kg
CG48036	\$8260MADPR	Vinyl chloride	NY / 375-6.8 Volatiles / Ground Water Protection	ND	26	20	20	ug/Kg
CG48036	\$8260MADPR	1,2-Dichloroethane	NY / 375-6.8 Volatiles / Ground Water Protection	ND	26	20	20	ug/Kg
CG48036	\$8260MADPR	Methylene chloride	NY / 375-6.8 Volatiles / Ground Water Protection	ND	100	50	50	ug/Kg
CG48036	\$8260MADPR	Vinyl chloride	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	26	20	20	ug/Kg
CG48036	\$8260MADPR	Methylene chloride	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	100	50	50	ug/Kg
CG48036	\$8260MADPR	1,2-Dichloroethane	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	26	20	20	ug/Kg
CG48036	\$8260MADPR	Acetone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	260	50	50	ug/Kg
CG48036	\$8260MADPR	1,1,2,2-Tetrachloroethane	PA / Reg Fill Limits GP-1a / Organics	ND	52	9.3	9.3	ug/Kg
CG48036	\$8260MADPR	1,2-Dibromo-3-chloropropane	PA / Reg Fill Limits GP-1a / Organics	ND	52	9.2	9.2	ug/Kg
CG48036	\$8260MADPR	Methylene chloride	PA / Reg Fill Limits GP-1a / Organics	ND	100	76	76	ug/Kg
CG48036	\$8260MADPR	1,2-Dibromoethane	PA / Reg Fill Limits GP-1a / Organics	ND	26	1.2	1.2	ug/Kg
CG48036	\$8260MADPR	Chloromethane	PA / Reg Fill Limits GP-1a / Organics	ND	52	38	38	ug/Kg
CG48036	\$8270SMRDP	Benzo(a)pyrene	NJ / Soil Remediation Standard / Res. Direct Contact	3500	190	500	200	ug/Kg
CG48036	\$8270SMRDP	Dibenz(a,h)anthracene	NJ / Soil Remediation Standard / Res. Direct Contact	730	190	500	200	ug/Kg
CG48036	\$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Ground Water Protection	2800	260	1000	1000	ug/Kg
CG48036	\$8270SMRDP	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Ground Water Protection	3100	260	1700	1700	ug/Kg
CG48036	\$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Ground Water Protection	3600	260	1000	1000	ug/Kg
CG48036	\$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Ground Water Protection	4200	260	1700	1700	ug/Kg
CG48036	\$8270SMRDP	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential	730	190	330	330	ug/Kg
CG48036	\$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	3500	190	1000	1000	ug/Kg
CG48036	\$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	4200	260	1000	1000	ug/Kg
CG48036	\$8270SMRDP	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	3100	260	1000	1000	ug/Kg
CG48036	\$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Residential	3600	260	1000	1000	ug/Kg
CG48036	\$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	2600	260	500	500	ug/Kg
CG48036	\$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	2800	260	1000	1000	ug/Kg
CG48036	\$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	2600	260	500	500	ug/Kg
CG48036	\$8270SMRDP	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	730	190	330	330	ug/Kg
CG48036	\$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	3500	190	1000	1000	ug/Kg
CG48036	\$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	2800	260	1000	1000	ug/Kg
CG48036	\$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	4200	260	1000	1000	ug/Kg
CG48036	\$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	4200	260	1000	1000	ug/Kg
CG48036	\$8270SMRDP	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	730	190	330	330	ug/Kg
CG48036	\$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	3600	260	1000	1000	ug/Kg
CG48036	\$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2600	260	500	500	ug/Kg
CG48036	\$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2800	260	1000	1000	ug/Kg
CG48036	\$8270SMRDP	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	3100	260	800	800	ug/Kg
CG48036	\$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	3500	190	1000	1000	ug/Kg
CG48036	\$8270SMRDP	N-Nitrosodimethylamine	PA / Reg Fill Limits GP-1a / Organics	ND	74	0.17	0.17	ug/Kg

Tuesday, August 11, 2020

Criteria: NJ: RC; NY: 375, 375GWP, 375RRS, 375RS;

State: NY

Sample Criteria Exceedances Report

GCG48033 - EBC

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CG48036	\$8270SMRDP	Bis(2-chloroethyl)ether	PA / Reg Fill Limits GP-1a / Organics	ND	74	17	17	ug/Kg
CG48036	\$8270SMRDP	N-Nitrosodi-n-propylamine	PA / Reg Fill Limits GP-1a / Organics	ND	74	5.1	5.1	ug/Kg
CG48036	\$DIOX_SM	1,4-dioxane	NY / 375-6.8 Volatiles / Ground Water Protection	ND	2100	100	100	ug/kg
CG48036	\$DIOX_SM	1,4-dioxane	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	2100	100	100	ug/kg
CG48036	\$DIOX_SM	1,4-dioxane	PA / Reg Fill Limits GP-1a / Organics	ND	2100	310	310	ug/kg
CG48036	\$NJADD-SM	Acrolein	PA / Reg Fill Limits GP-1a / Organics	ND	52	1.4	1.4	ug/Kg
CG48036	AS-SM	Arsenic	NY / 375-6.8 Metals / Ground Water Protection	16.9	0.74	16	16	mg/Kg
CG48036	AS-SM	Arsenic	NY / 375-6.8 Metals / Residential	16.9	0.74	16	16	mg/Kg
CG48036	AS-SM	Arsenic	NY / 375-6.8 Metals / Residential Restricted	16.9	0.74	16	16	mg/Kg
CG48036	AS-SM	Arsenic	NY / 375-6.8 Metals / Unrestricted Use Soil	16.9	0.74	13	13	mg/Kg
CG48036	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	77.1	0.7	50	50	mg/kg
CG48036	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.30	0.03	0.18	0.18	mg/Kg
CG48036	PB-SMDP	Lead	NJ / Soil Remediation Standard / Res. Direct Contact	518	0.7	400	1	mg/Kg
CG48036	PB-SMDP	Lead	NY / 375-6.8 Metals / Ground Water Protection	518	0.7	450	450	mg/Kg
CG48036	PB-SMDP	Lead	NY / 375-6.8 Metals / Residential	518	0.7	400	400	mg/Kg
CG48036	PB-SMDP	Lead	NY / 375-6.8 Metals / Residential Restricted	518	0.7	400	400	mg/Kg
CG48036	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	518	0.7	63	63	mg/Kg
CG48036	PB-SMDP	Lead	PA / Reg Fill Limits GP-1a / Metals & Inorganics	518	0.7	450	450	mg/Kg
CG48036	ZN-SMDP	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	268	0.7	109	109	mg/Kg
CG48037	\$8270SMRDP	N-Nitrosodi-n-propylamine	PA / Reg Fill Limits GP-1a / Organics	ND	73	5.1	5.1	ug/Kg
CG48037	\$8270SMRDP	Bis(2-chloroethyl)ether	PA / Reg Fill Limits GP-1a / Organics	ND	73	17	17	ug/Kg
CG48037	\$8270SMRDP	N-Nitrosodimethylamine	PA / Reg Fill Limits GP-1a / Organics	ND	73	0.17	0.17	ug/Kg
CG48037	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	58.4	0.7	50	50	mg/kg
CG48037	PB-SMDP	Lead	NJ / Soil Remediation Standard / Res. Direct Contact	1390	6.9	400	1	mg/Kg
CG48037	PB-SMDP	Lead	NY / 375-6.8 Metals / Ground Water Protection	1390	6.9	450	450	mg/Kg
CG48037	PB-SMDP	Lead	NY / 375-6.8 Metals / Residential	1390	6.9	400	400	mg/Kg
CG48037	PB-SMDP	Lead	NY / 375-6.8 Metals / Residential Restricted	1390	6.9	400	400	mg/Kg
CG48037	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	1390	6.9	63	63	mg/Kg
CG48037	PB-SMDP	Lead	PA / Reg Fill Limits GP-1a / Metals & Inorganics	1390	6.9	450	450	mg/Kg
CG48037	ZN-SMDP	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	120	0.7	109	109	mg/Kg
CG48038	\$8270SMRDP	Bis(2-chloroethyl)ether	PA / Reg Fill Limits GP-1a / Organics	ND	73	17	17	ug/Kg
CG48038	\$8270SMRDP	N-Nitrosodimethylamine	PA / Reg Fill Limits GP-1a / Organics	ND	73	0.17	0.17	ug/Kg
CG48038	\$8270SMRDP	N-Nitrosodi-n-propylamine	PA / Reg Fill Limits GP-1a / Organics	ND	73	5.1	5.1	ug/Kg
CG48038	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	107	0.7	63	63	mg/Kg

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



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



Analysis Comments

August 11, 2020

SDG I.D.: GCG48033

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

PEST Narration

AU-ECD4 08/10/20-1: CG48036

The following Continuing Calibration compounds did not meet % deviation criteria:

Samples: CG48036

Preceding CC 810A004 - Methoxychlor 25%L (20%)

Succeeding CC 810A021 - Endosulfan I 21%H (20%), Methoxychlor 22%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.

SVOA Narration

CHEM29 08/05/20-1: CG48033, CG48034, CG48035, CG48036, CG48037, CG48038

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

For 8270 BN list, benzidine peak tailing was evaluated in the DFTPP tune and was found to be in control.

The following Initial Calibration compounds did not meet recommended response factors: 2-Nitrophenol 0.096 (0.1), Hexachlorobenzene 0.079 (0.1)

The following Initial Calibration compounds did not meet minimum response factors: None.

The following Continuing Calibration compounds did not meet recommended response factors: Hexachlorobenzene 0.080 (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

CHEM14 08/10/20-1: CG48034

The following Initial Calibration compounds did not meet RSD% criteria: 1,2-Dibromo-3-chloropropane 25% (20%), Acetone 31% (20%), Methyl Ethyl Ketone 29% (20%), 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 0.086 (0.1), Bromoform 0.080 (0.1), Tetrachloroethene 0.181 (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 08/07/20-2: CG48033, CG48036, CG48039, CG48040

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%.



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Analysis Comments

August 11, 2020

SDG I.D.: GCG48033

CHEM31 08/09/20-1: CG48035, CG48037, CG48038

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 0.046 (0.05)

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

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



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NY Temperature Narration

August 11, 2020

SDG I.D.: GCG48033

The samples in this delivery group were received at 2.9°C.
(Note acceptance criteria for relevant matrices is above freezing up to 6°C)

Sarah Bell

Subject: FW: Phoenix Labs - GCG48033, 316 HUGUENOT ST NEW ROCHELLE NY - COC Acknowledgement

*Note: I am currently working remotely. You may call me directly at my cell number below or email

Sarah Bell
Project Manager
Phoenix Environmental Laboratories
587 East Middle Turnpike
Sarah@phoenixlabs.com
(C)860-558-0726
Website: www.phoenixlabs.com

From: Kevin Brussee [<mailto:kbrussee@ebcincny.com>]
Sent: Thursday, August 06, 2020 7:56 AM
To: Sarah Bell; 'Derek Merker'
Cc: tgallo@ebcincny.com
Subject: RE: Phoenix Labs - GCG48033, 316 HUGUENOT ST NEW ROCHELLE NY - COC Acknowledgement

Sarah,

The analysis list for these samples should just be VOCs 8260, SVOCs 8270, Pesticides 8081, PCBs 8082, and TAL Metals.

Please ignore the additional add-ons of 1,4-dioxane, pyridine, hex Cr, Mo, and cyanide).and the SVOCs listed in the comment section.

Thanks,

Kevin Brussee

Vice President



Environmental Business Consultants

Ph: 631.504.6000 ext. 114

Fax: 631.924.2870

Cell: 631.338.1749

Kbrussee@ebcincny.com

From: clientservices@phoenixlabs.com <clientservices@phoenixlabs.com>

Sent: Wednesday, August 05, 2020 6:57 PM

To: kbrussee@ebcincny.com

Subject: Phoenix Labs - GCG48033, 316 HUGUENOT ST NEW ROCHELLE NY - COC Acknowledgement

This is an automated sample acknowledgement.

Price Quote#: EB030217SB

If you have a PO# that is required for this SDG, and you need it listed on your invoice please email client services so we can be sure to get the PO# listed on the invoice. If no PO# is required, no further action is required.

GCG48033 Criteria:

SOIL(8): NJ RC (Res. Criteria Remediation), NY 375 (375 Unrestricted), NY 375GWP (375 Soil GWP), NY 375RRS (375 Residential Restricted), NY 375RS (375 Residential), PA REGF (Regulated Fill Criteria)

Please email client services only if you require criteria different than what is listed.

Delivery group GCG48033 (316 HUGUENOT ST NEW ROCHELLE NY) has been logged in for the following samples:

Phoenix Id	Client Id
CG48033	316B1 FILL
CG48034	316B2 FILL
CG48035	316B3 FILL
CG48036	316B4 FILL
CG48037	316B5 FILL
CG48038	316B6 FILL

CG48039	TRIP BLANK HL
CG48040	TRIP BLANK LL

The samples in this delivery group were received at 2.9°C. (Note acceptance criteria for relevant matrices is above freezing up to 6°C)

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

Thank you for your business,

Phoenix Environmental Laboratories, Inc.
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 P.O. Box 370
 Manchester, CT 06374
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Please do not reply to this email.

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