



Tuesday, September 28, 2021

Attn: Mr Kevin Brussee
Brussee Environmental Corp
14 Evans Lane
Miller Place, NY 11764

Project ID: 188 E 135TH ST BRONX NY
SDG ID: GCJ33255
Sample ID#s: CJ33255 - CJ33271

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 that reads "Phyllis Shiller". The signature is written in a cursive style.

Phyllis Shiller

Laboratory Director

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

September 28, 2021

SDG I.D.: GCJ33255

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



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



Sample Id Cross Reference

September 28, 2021

SDG I.D.: GCJ33255

Project ID: 188 E 135TH ST BRONX NY

Client Id	Lab Id	Matrix
20B2 (0-2)	CJ33255	SOIL
20B2 (3-5)	CJ33256	SOIL
20B1 (0-2)	CJ33257	SOIL
20B1 (3-5)	CJ33258	SOIL
20B3 (0-2)	CJ33259	SOIL
20B3 (3-5)	CJ33260	SOIL
20B4 (0-2)	CJ33261	SOIL
20B4 (3-5)	CJ33262	SOIL
20B6 (0-2)	CJ33263	SOIL
20B6 (3-5)	CJ33264	SOIL
20B5 (0-2)	CJ33265	SOIL
20B5 (3-5)	CJ33266	SOIL
20B7 (0-5)	CJ33267	SOIL
20B7 (3-5)	CJ33268	SOIL
DUPLICATE	CJ33269	SOIL
TRIP BLANK LOW	CJ33270	SOIL
TRIP BLANK HIGH	CJ33271	SOIL



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



Analysis Report

September 28, 2021

FOR: Attn: Mr Kevin Brussee
 Brussee Environmental Corp
 14 Evans Lane
 Miller Place, NY 11764

Sample Information

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

Custody Information

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

Date

09/20/21
 09/21/21

Time

8:20
 15:23

Laboratory Data

SDG ID: GCJ33255
 Phoenix ID: CJ33255

Project ID: 188 E 135TH ST BRONX NY
 Client ID: 20B2 (0-2)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.32	0.32		mg/Kg	1	09/22/21	EK	SW6010D
Aluminum	9160	32		mg/Kg	10	09/22/21	EK	SW6010D
Arsenic	2.45	0.65		mg/Kg	1	09/22/21	EK	SW6010D
Barium	69.1	0.6		mg/Kg	1	09/22/21	EK	SW6010D
Beryllium	0.34	0.26		mg/Kg	1	09/22/21	EK	SW6010D
Calcium	166000	320		mg/Kg	100	09/23/21	TH	SW6010D
Cadmium	1.05	0.32		mg/Kg	1	09/22/21	EK	SW6010D
Cobalt	7.18	0.32		mg/Kg	1	09/22/21	EK	SW6010D
Chromium	16.3	0.32		mg/Kg	1	09/22/21	EK	SW6010D
Copper	117	6.5		mg/kg	10	09/22/21	EK	SW6010D
Iron	16700	32		mg/Kg	10	09/22/21	EK	SW6010D
Mercury	1.12	0.03		mg/Kg	1	09/22/21	AP	SW7471B
Potassium	2470	6		mg/Kg	1	09/22/21	EK	SW6010D
Magnesium	8010	32		mg/Kg	10	09/22/21	EK	SW6010D
Manganese	240	3.2		mg/Kg	10	09/22/21	EK	SW6010D
Sodium	1140	6		mg/Kg	1	09/22/21	EK	SW6010D
Nickel	13.4	0.32		mg/Kg	1	09/22/21	EK	SW6010D
Lead	240	0.6		mg/Kg	1	09/22/21	EK	SW6010D
Antimony	< 3.2	3.2		mg/Kg	1	09/22/21	EK	SW6010D
Selenium	< 1.3	1.3		mg/Kg	1	09/22/21	EK	SW6010D
Thallium	< 1.3	1.3		mg/Kg	1	09/22/21	EK	SW6010D
Vanadium	17.6	0.32		mg/Kg	1	09/22/21	EK	SW6010D
Zinc	232	0.6		mg/Kg	1	09/22/21	EK	SW6010D
Percent Solid	92			%		09/21/21	Q	SW846-%Solid
Extraction for SVOA SIM	Completed					09/21/21	B/E	SW3545A
Soil Extraction for PCB	Completed					09/21/21	B/E	SW3545A
Soil Extraction for Pesticides	Completed					09/21/21	B/E	SW3545A

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Field Extraction	Completed					09/20/21		SW5035A
Mercury Digestion	Completed					09/22/21	AB/AB	SW7471B
Soil Extraction for SVOA	Completed					09/21/21	R/K	SW3546
Total Metals Digest	Completed					09/21/21	M/AG	SW3050B

Polychlorinated Biphenyls

PCB-1016	ND	71	71	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1221	ND	71	71	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1232	ND	71	71	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1242	ND	71	71	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1248	ND	71	71	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1254	ND	71	71	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1260	ND	71	71	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1262	ND	71	71	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1268	ND	71	71	ug/Kg	2	09/22/21	SC	SW8082A

QA/QC Surrogates

% DCBP	65			%	2	09/22/21	SC	30 - 150 %
% DCBP (Confirmation)	55			%	2	09/22/21	SC	30 - 150 %
% TCMX	67			%	2	09/22/21	SC	30 - 150 %
% TCMX (Confirmation)	68			%	2	09/22/21	SC	30 - 150 %

Pesticides - Soil

4,4' -DDD	ND	2.1		ug/Kg	2	09/22/21	AW	SW8081B
4,4' -DDE	ND	2.1		ug/Kg	2	09/22/21	AW	SW8081B
4,4' -DDT	ND	3.0		ug/Kg	2	09/22/21	AW	SW8081B
a-BHC	ND	7.1		ug/Kg	2	09/22/21	AW	SW8081B
a-Chlordane	ND	3.6		ug/Kg	2	09/22/21	AW	SW8081B
Aldrin	ND	3.6		ug/Kg	2	09/22/21	AW	SW8081B
b-BHC	ND	7.1		ug/Kg	2	09/22/21	AW	SW8081B
Chlordane	ND	36		ug/Kg	2	09/22/21	AW	SW8081B
d-BHC	ND	7.1		ug/Kg	2	09/22/21	AW	SW8081B
Dieldrin	ND	3.6		ug/Kg	2	09/22/21	AW	SW8081B
Endosulfan I	ND	7.1		ug/Kg	2	09/22/21	AW	SW8081B
Endosulfan II	ND	7.1		ug/Kg	2	09/22/21	AW	SW8081B
Endosulfan sulfate	ND	7.1		ug/Kg	2	09/22/21	AW	SW8081B
Endrin	ND	7.1		ug/Kg	2	09/22/21	AW	SW8081B
Endrin aldehyde	ND	7.1		ug/Kg	2	09/22/21	AW	SW8081B
Endrin ketone	ND	7.1		ug/Kg	2	09/22/21	AW	SW8081B
g-BHC	ND	1.4		ug/Kg	2	09/22/21	AW	SW8081B
g-Chlordane	ND	3.6		ug/Kg	2	09/22/21	AW	SW8081B
Heptachlor	ND	7.1		ug/Kg	2	09/22/21	AW	SW8081B
Heptachlor epoxide	ND	7.1		ug/Kg	2	09/22/21	AW	SW8081B
Methoxychlor	ND	36		ug/Kg	2	09/22/21	AW	SW8081B
Toxaphene	ND	140		ug/Kg	2	09/22/21	AW	SW8081B

QA/QC Surrogates

% DCBP	50			%	2	09/22/21	AW	30 - 150 %
% DCBP (Confirmation)	66			%	2	09/22/21	AW	30 - 150 %
% TCMX	59			%	2	09/22/21	AW	30 - 150 %
% TCMX (Confirmation)	60			%	2	09/22/21	AW	30 - 150 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	5.3	1.1	ug/Kg	1	09/22/21	JLI	SW8260C
1,1,1-Trichloroethane	ND	5.3	0.53	ug/Kg	1	09/22/21	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	5.3	1.1	ug/Kg	1	09/22/21	JLI	SW8260C
1,1,2-Trichloroethane	ND	5.3	1.1	ug/Kg	1	09/22/21	JLI	SW8260C
1,1-Dichloroethane	ND	5.3	1.1	ug/Kg	1	09/22/21	JLI	SW8260C
1,1-Dichloroethene	ND	5.3	0.53	ug/Kg	1	09/22/21	JLI	SW8260C
1,1-Dichloropropene	ND	5.3	0.53	ug/Kg	1	09/22/21	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	5.3	1.1	ug/Kg	1	09/22/21	JLI	SW8260C
1,2,3-Trichloropropane	ND	5.3	0.53	ug/Kg	1	09/22/21	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	5.3	1.1	ug/Kg	1	09/22/21	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	5.3	0.53	ug/Kg	1	09/22/21	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	5.3	1.1	ug/Kg	1	09/22/21	JLI	SW8260C
1,2-Dibromoethane	ND	5.3	0.53	ug/Kg	1	09/22/21	JLI	SW8260C
1,2-Dichlorobenzene	ND	5.3	0.53	ug/Kg	1	09/22/21	JLI	SW8260C
1,2-Dichloroethane	ND	5.3	0.53	ug/Kg	1	09/22/21	JLI	SW8260C
1,2-Dichloropropane	ND	5.3	1.1	ug/Kg	1	09/22/21	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	5.3	0.53	ug/Kg	1	09/22/21	JLI	SW8260C
1,3-Dichlorobenzene	ND	5.3	0.53	ug/Kg	1	09/22/21	JLI	SW8260C
1,3-Dichloropropane	ND	5.3	1.1	ug/Kg	1	09/22/21	JLI	SW8260C
1,4-Dichlorobenzene	ND	5.3	0.53	ug/Kg	1	09/22/21	JLI	SW8260C
2,2-Dichloropropane	ND	5.3	0.53	ug/Kg	1	09/22/21	JLI	SW8260C
2-Chlorotoluene	ND	5.3	1.1	ug/Kg	1	09/22/21	JLI	SW8260C
2-Hexanone	ND	27	5.3	ug/Kg	1	09/22/21	JLI	SW8260C
2-Isopropyltoluene	ND	5.3	0.53	ug/Kg	1	09/22/21	JLI	SW8260C
4-Chlorotoluene	ND	5.3	0.53	ug/Kg	1	09/22/21	JLI	SW8260C
4-Methyl-2-pentanone	ND	27	5.3	ug/Kg	1	09/22/21	JLI	SW8260C
Acetone	ND	27	5.3	ug/Kg	1	09/22/21	JLI	SW8260C
Acrylonitrile	ND	11	1.1	ug/Kg	1	09/22/21	JLI	SW8260C
Benzene	ND	5.3	0.53	ug/Kg	1	09/22/21	JLI	SW8260C
Bromobenzene	ND	5.3	0.53	ug/Kg	1	09/22/21	JLI	SW8260C
Bromochloromethane	ND	5.3	0.53	ug/Kg	1	09/22/21	JLI	SW8260C
Bromodichloromethane	ND	5.3	1.1	ug/Kg	1	09/22/21	JLI	SW8260C
Bromoform	ND	5.3	1.1	ug/Kg	1	09/22/21	JLI	SW8260C
Bromomethane	ND	5.3	2.1	ug/Kg	1	09/22/21	JLI	SW8260C
Carbon Disulfide	ND	5.3	1.1	ug/Kg	1	09/22/21	JLI	SW8260C
Carbon tetrachloride	ND	5.3	1.1	ug/Kg	1	09/22/21	JLI	SW8260C
Chlorobenzene	ND	5.3	0.53	ug/Kg	1	09/22/21	JLI	SW8260C
Chloroethane	ND	5.3	0.53	ug/Kg	1	09/22/21	JLI	SW8260C
Chloroform	ND	5.3	0.53	ug/Kg	1	09/22/21	JLI	SW8260C
Chloromethane	ND	5.3	1.1	ug/Kg	1	09/22/21	JLI	SW8260C
cis-1,2-Dichloroethene	ND	5.3	0.53	ug/Kg	1	09/22/21	JLI	SW8260C
cis-1,3-Dichloropropene	ND	5.3	0.53	ug/Kg	1	09/22/21	JLI	SW8260C
Dibromochloromethane	ND	5.3	1.1	ug/Kg	1	09/22/21	JLI	SW8260C
Dibromomethane	ND	5.3	1.1	ug/Kg	1	09/22/21	JLI	SW8260C
Dichlorodifluoromethane	ND	5.3	0.53	ug/Kg	1	09/22/21	JLI	SW8260C
Ethylbenzene	ND	5.3	0.53	ug/Kg	1	09/22/21	JLI	SW8260C
Hexachlorobutadiene	ND	5.3	0.53	ug/Kg	1	09/22/21	JLI	SW8260C
Isopropylbenzene	ND	5.3	0.53	ug/Kg	1	09/22/21	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
m&p-Xylene	ND	5.3	1.1	ug/Kg	1	09/22/21	JLI	SW8260C
Methyl Ethyl Ketone	ND	32	5.3	ug/Kg	1	09/22/21	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	11	1.1	ug/Kg	1	09/22/21	JLI	SW8260C
Methylene chloride	ND	5.3	5.3	ug/Kg	1	09/22/21	JLI	SW8260C
Naphthalene	ND	5.3	1.1	ug/Kg	1	09/22/21	JLI	SW8260C
n-Butylbenzene	ND	5.3	0.53	ug/Kg	1	09/22/21	JLI	SW8260C
n-Propylbenzene	ND	5.3	1.1	ug/Kg	1	09/22/21	JLI	SW8260C
o-Xylene	ND	5.3	1.1	ug/Kg	1	09/22/21	JLI	SW8260C
p-Isopropyltoluene	ND	5.3	0.53	ug/Kg	1	09/22/21	JLI	SW8260C
sec-Butylbenzene	ND	5.3	0.53	ug/Kg	1	09/22/21	JLI	SW8260C
Styrene	ND	5.3	0.53	ug/Kg	1	09/22/21	JLI	SW8260C
tert-Butylbenzene	ND	5.3	0.53	ug/Kg	1	09/22/21	JLI	SW8260C
Tetrachloroethene	ND	5.3	1.1	ug/Kg	1	09/22/21	JLI	SW8260C
Tetrahydrofuran (THF)	ND	11	2.7	ug/Kg	1	09/22/21	JLI	SW8260C
Toluene	ND	5.3	0.53	ug/Kg	1	09/22/21	JLI	SW8260C
trans-1,2-Dichloroethene	ND	5.3	0.53	ug/Kg	1	09/22/21	JLI	SW8260C
trans-1,3-Dichloropropene	ND	5.3	0.53	ug/Kg	1	09/22/21	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	11	2.7	ug/Kg	1	09/22/21	JLI	SW8260C
Trichloroethene	ND	5.3	0.53	ug/Kg	1	09/22/21	JLI	SW8260C
Trichlorofluoromethane	ND	5.3	1.1	ug/Kg	1	09/22/21	JLI	SW8260C
Trichlorotrifluoroethane	ND	5.3	0.53	ug/Kg	1	09/22/21	JLI	SW8260C
Vinyl chloride	ND	5.3	0.53	ug/Kg	1	09/22/21	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	100			%	1	09/22/21	JLI	70 - 130 %
% Bromofluorobenzene	94			%	1	09/22/21	JLI	70 - 130 %
% Dibromofluoromethane	95			%	1	09/22/21	JLI	70 - 130 %
% Toluene-d8	97			%	1	09/22/21	JLI	70 - 130 %
<u>1,4-dioxane</u>								
1,4-dioxane	ND	80		ug/kg	1	09/22/21	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	100			%	1	09/22/21	JLI	70 - 130 %
% Bromofluorobenzene	94			%	1	09/22/21	JLI	70 - 130 %
% Dibromofluoromethane	95			%	1	09/22/21	JLI	70 - 130 %
% Toluene-d8	97			%	1	09/22/21	JLI	70 - 130 %
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	21		ug/Kg	1	09/22/21	JLI	SW8260C
Acrolein	ND	5.3		ug/Kg	1	09/22/21	JLI	SW8260C
Acrylonitrile	ND	21		ug/Kg	1	09/22/21	JLI	SW8260C
Tert-butyl alcohol	ND	110		ug/Kg	1	09/22/21	JLI	SW8260C
<u>Semivolatiles</u>								
1,2,4,5-Tetrachlorobenzene	ND	250	120	ug/Kg	1	09/22/21	WB	SW8270D
1,2,4-Trichlorobenzene	ND	250	110	ug/Kg	1	09/22/21	WB	SW8270D
1,2-Dichlorobenzene	ND	250	99	ug/Kg	1	09/22/21	WB	SW8270D
1,2-Diphenylhydrazine	ND	250	110	ug/Kg	1	09/22/21	WB	SW8270D
1,3-Dichlorobenzene	ND	250	100	ug/Kg	1	09/22/21	WB	SW8270D
1,4-Dichlorobenzene	ND	250	100	ug/Kg	1	09/22/21	WB	SW8270D
2,4,5-Trichlorophenol	ND	250	190	ug/Kg	1	09/22/21	WB	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
2,4,6-Trichlorophenol	ND	180	110	ug/Kg	1	09/22/21	WB	SW8270D
2,4-Dichlorophenol	ND	180	120	ug/Kg	1	09/22/21	WB	SW8270D
2,4-Dimethylphenol	ND	250	87	ug/Kg	1	09/22/21	WB	SW8270D
2,4-Dinitrophenol	ND	250	250	ug/Kg	1	09/22/21	WB	SW8270D
2,4-Dinitrotoluene	ND	180	140	ug/Kg	1	09/22/21	WB	SW8270D
2,6-Dinitrotoluene	ND	180	110	ug/Kg	1	09/22/21	WB	SW8270D
2-Chloronaphthalene	ND	250	100	ug/Kg	1	09/22/21	WB	SW8270D
2-Chlorophenol	ND	250	100	ug/Kg	1	09/22/21	WB	SW8270D
2-Methylnaphthalene	ND	250	100	ug/Kg	1	09/22/21	WB	SW8270D
2-Methylphenol (o-cresol)	ND	250	170	ug/Kg	1	09/22/21	WB	SW8270D
2-Nitroaniline	ND	250	250	ug/Kg	1	09/22/21	WB	SW8270D
2-Nitrophenol	ND	250	220	ug/Kg	1	09/22/21	WB	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	250	140	ug/Kg	1	09/22/21	WB	SW8270D
3,3'-Dichlorobenzidine	ND	180	170	ug/Kg	1	09/22/21	WB	SW8270D
3-Nitroaniline	ND	350	700	ug/Kg	1	09/22/21	WB	SW8270D
4,6-Dinitro-2-methylphenol	ND	210	70	ug/Kg	1	09/22/21	WB	SW8270D
4-Bromophenyl phenyl ether	ND	250	100	ug/Kg	1	09/22/21	WB	SW8270D
4-Chloro-3-methylphenol	ND	250	120	ug/Kg	1	09/22/21	WB	SW8270D
4-Chloroaniline	ND	280	160	ug/Kg	1	09/22/21	WB	SW8270D
4-Chlorophenyl phenyl ether	ND	250	120	ug/Kg	1	09/22/21	WB	SW8270D
4-Nitroaniline	ND	350	120	ug/Kg	1	09/22/21	WB	SW8270D
4-Nitrophenol	ND	350	160	ug/Kg	1	09/22/21	WB	SW8270D
Acenaphthene	ND	250	110	ug/Kg	1	09/22/21	WB	SW8270D
Acenaphthylene	230	J 250	98	ug/Kg	1	09/22/21	WB	SW8270D
Acetophenone	ND	250	110	ug/Kg	1	09/22/21	WB	SW8270D
Aniline	ND	280	280	ug/Kg	1	09/22/21	WB	SW8270D
Anthracene	170	J 250	120	ug/Kg	1	09/22/21	WB	SW8270D
Benz(a)anthracene	980	250	120	ug/Kg	1	09/22/21	WB	SW8270D
Benzidine	ND	350	210	ug/Kg	1	09/22/21	WB	SW8270D
Benzo(a)pyrene	1200	180	110	ug/Kg	1	09/22/21	WB	SW8270D
Benzo(b)fluoranthene	1200	250	120	ug/Kg	1	09/22/21	WB	SW8270D
Benzo(ghi)perylene	800	250	110	ug/Kg	1	09/22/21	WB	SW8270D
Benzo(k)fluoranthene	1000	250	120	ug/Kg	1	09/22/21	WB	SW8270D
Benzoic acid	ND	1800	700	ug/Kg	1	09/22/21	WB	SW8270D
Benzyl butyl phthalate	ND	250	91	ug/Kg	1	09/22/21	WB	SW8270D
Bis(2-chloroethoxy)methane	ND	250	97	ug/Kg	1	09/22/21	WB	SW8270D
Bis(2-chloroethyl)ether	ND	180	95	ug/Kg	1	09/22/21	WB	SW8270D
Bis(2-chloroisopropyl)ether	ND	250	98	ug/Kg	1	09/22/21	WB	SW8270D
Bis(2-ethylhexyl)phthalate	ND	250	100	ug/Kg	1	09/22/21	WB	SW8270D
Carbazole	ND	180	140	ug/Kg	1	09/22/21	WB	SW8270D
Chrysene	1100	250	120	ug/Kg	1	09/22/21	WB	SW8270D
Dibenz(a,h)anthracene	180	180	110	ug/Kg	1	09/22/21	WB	SW8270D
Dibenzofuran	ND	250	100	ug/Kg	1	09/22/21	WB	SW8270D
Diethyl phthalate	ND	250	110	ug/Kg	1	09/22/21	WB	SW8270D
Dimethylphthalate	ND	250	110	ug/Kg	1	09/22/21	WB	SW8270D
Di-n-butylphthalate	ND	250	93	ug/Kg	1	09/22/21	WB	SW8270D
Di-n-octylphthalate	ND	250	91	ug/Kg	1	09/22/21	WB	SW8270D
Fluoranthene	1500	250	110	ug/Kg	1	09/22/21	WB	SW8270D
Fluorene	ND	250	120	ug/Kg	1	09/22/21	WB	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Hexachlorobenzene	ND	180	100	ug/Kg	1	09/22/21	WB	SW8270D
Hexachlorobutadiene	ND	250	130	ug/Kg	1	09/22/21	WB	SW8270D
Hexachlorocyclopentadiene	ND	250	110	ug/Kg	1	09/22/21	WB	SW8270D
Hexachloroethane	ND	180	110	ug/Kg	1	09/22/21	WB	SW8270D
Indeno(1,2,3-cd)pyrene	910	250	120	ug/Kg	1	09/22/21	WB	SW8270D
Isophorone	ND	180	98	ug/Kg	1	09/22/21	WB	SW8270D
Naphthalene	ND	250	100	ug/Kg	1	09/22/21	WB	SW8270D
Nitrobenzene	ND	180	120	ug/Kg	1	09/22/21	WB	SW8270D
N-Nitrosodimethylamine	ND	250	99	ug/Kg	1	09/22/21	WB	SW8270D
N-Nitrosodi-n-propylamine	ND	180	110	ug/Kg	1	09/22/21	WB	SW8270D
N-Nitrosodiphenylamine	ND	250	130	ug/Kg	1	09/22/21	WB	SW8270D
Pentachloronitrobenzene	ND	250	130	ug/Kg	1	09/22/21	WB	SW8270D
Pentachlorophenol	ND	210	130	ug/Kg	1	09/22/21	WB	SW8270D
Phenanthrene	630	250	100	ug/Kg	1	09/22/21	WB	SW8270D
Phenol	ND	250	110	ug/Kg	1	09/22/21	WB	SW8270D
Pyrene	1400	250	120	ug/Kg	1	09/22/21	WB	SW8270D
Pyridine	ND	250	86	ug/Kg	1	09/22/21	WB	SW8270D
<u>QA/QC Surrogates</u>								
% 2,4,6-Tribromophenol	104			%	1	09/22/21	WB	30 - 130 %
% 2-Fluorobiphenyl	80			%	1	09/22/21	WB	30 - 130 %
% 2-Fluorophenol	74			%	1	09/22/21	WB	30 - 130 %
% Nitrobenzene-d5	85			%	1	09/22/21	WB	30 - 130 %
% Phenol-d5	79			%	1	09/22/21	WB	30 - 130 %
% Terphenyl-d14	81			%	1	09/22/21	WB	30 - 130 %
<u>1,4-Dioxane</u>								
1,4-dioxane	ND	72	72	ug/Kg	1	09/22/21	WB	SW8270D (SIM)
<u>QA/QC Surrogates</u>								
% 2-Fluorobiphenyl	66			%	1	09/22/21	WB	30 - 130 %
% Nitrobenzene-d5	76			%	1	09/22/21	WB	30 - 130 %
% Terphenyl-d14	78			%	1	09/22/21	WB	30 - 130 %

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

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.

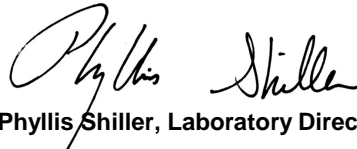
Comments:

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

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

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

If 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

September 28, 2021

Reviewed and Released by: Ethan Lee, Project Manager



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



Analysis Report

September 28, 2021

FOR: Attn: Mr Kevin Brussee
 Brussee Environmental Corp
 14 Evans Lane
 Miller Place, NY 11764

Sample Information

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

Custody Information

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

Date

09/20/21
 09/21/21

Time

8:30
 15:23

Laboratory Data

SDG ID: GCJ33255
 Phoenix ID: CJ33256

Project ID: 188 E 135TH ST BRONX NY
 Client ID: 20B2 (3-5)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.40	0.40		mg/Kg	1	09/22/21	EK	SW6010D
Aluminum	10600	40		mg/Kg	10	09/22/21	EK	SW6010D
Arsenic	< 0.80	0.80		mg/Kg	1	09/22/21	EK	SW6010D
Barium	6.8	0.8		mg/Kg	1	09/22/21	EK	SW6010D
Beryllium	0.55	0.32		mg/Kg	1	09/22/21	EK	SW6010D
Calcium	227000	400		mg/Kg	100	09/23/21	TH	SW6010D
Cadmium	0.59	0.40		mg/Kg	1	09/22/21	EK	SW6010D
Cobalt	6.02	0.40		mg/Kg	1	09/22/21	EK	SW6010D
Chromium	14.5	0.40		mg/Kg	1	09/22/21	EK	SW6010D
Copper	13.2	0.8		mg/kg	1	09/22/21	EK	SW6010D
Iron	10600	4.0		mg/Kg	1	09/22/21	EK	SW6010D
Mercury	0.04	0.03		mg/Kg	1	09/22/21	AP	SW7471B
Potassium	2560	8		mg/Kg	1	09/22/21	EK	SW6010D
Magnesium	7750	40		mg/Kg	10	09/22/21	EK	SW6010D
Manganese	189	4.0		mg/Kg	10	09/22/21	EK	SW6010D
Sodium	1680	8		mg/Kg	1	09/22/21	EK	SW6010D
Nickel	11.7	0.40		mg/Kg	1	09/22/21	EK	SW6010D
Lead	3.3	0.8		mg/Kg	1	09/22/21	EK	SW6010D
Antimony	< 4.0	4.0		mg/Kg	1	09/22/21	EK	SW6010D
Selenium	< 1.6	1.6		mg/Kg	1	09/22/21	EK	SW6010D
Thallium	< 1.6	1.6		mg/Kg	1	09/22/21	EK	SW6010D
Vanadium	10.5	0.40		mg/Kg	1	09/22/21	EK	SW6010D
Zinc	229	0.8		mg/Kg	1	09/22/21	EK	SW6010D
Percent Solid	77			%		09/21/21	Q	SW846-%Solid
Soil Extraction for PCB	Completed					09/21/21	B/E	SW3545A
Soil Extraction for Pesticides	Completed					09/21/21	B/E	SW3545A
Field Extraction	Completed					09/20/21		SW5035A

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Mercury Digestion	Completed					09/22/21	AB/AB	SW7471B
Soil Extraction for SVOA	Completed					09/21/21	R/K	SW3546
Total Metals Digest	Completed					09/21/21	M/AG	SW3050B

Polychlorinated Biphenyls

PCB-1016	ND	84	84	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1221	ND	84	84	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1232	ND	84	84	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1242	ND	84	84	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1248	ND	84	84	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1254	ND	84	84	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1260	ND	84	84	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1262	ND	84	84	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1268	ND	84	84	ug/Kg	2	09/22/21	SC	SW8082A

QA/QC Surrogates

% DCBP	59			%	2	09/22/21	SC	30 - 150 %
% DCBP (Confirmation)	51			%	2	09/22/21	SC	30 - 150 %
% TCMX	63			%	2	09/22/21	SC	30 - 150 %
% TCMX (Confirmation)	70			%	2	09/22/21	SC	30 - 150 %

Pesticides - Soil

4,4' -DDD	ND	2.5		ug/Kg	2	09/22/21	AW	SW8081B
4,4' -DDE	ND	2.5		ug/Kg	2	09/22/21	AW	SW8081B
4,4' -DDT	ND	2.5		ug/Kg	2	09/22/21	AW	SW8081B
a-BHC	ND	8.4		ug/Kg	2	09/22/21	AW	SW8081B
a-Chlordane	ND	4.2		ug/Kg	2	09/22/21	AW	SW8081B
Aldrin	ND	4.2		ug/Kg	2	09/22/21	AW	SW8081B
b-BHC	ND	8.4		ug/Kg	2	09/22/21	AW	SW8081B
Chlordane	ND	42		ug/Kg	2	09/22/21	AW	SW8081B
d-BHC	ND	8.4		ug/Kg	2	09/22/21	AW	SW8081B
Dieldrin	ND	4.2		ug/Kg	2	09/22/21	AW	SW8081B
Endosulfan I	ND	8.4		ug/Kg	2	09/22/21	AW	SW8081B
Endosulfan II	ND	8.4		ug/Kg	2	09/22/21	AW	SW8081B
Endosulfan sulfate	ND	8.4		ug/Kg	2	09/22/21	AW	SW8081B
Endrin	ND	8.4		ug/Kg	2	09/22/21	AW	SW8081B
Endrin aldehyde	ND	8.4		ug/Kg	2	09/22/21	AW	SW8081B
Endrin ketone	ND	8.4		ug/Kg	2	09/22/21	AW	SW8081B
g-BHC	ND	1.7		ug/Kg	2	09/22/21	AW	SW8081B
g-Chlordane	ND	4.2		ug/Kg	2	09/22/21	AW	SW8081B
Heptachlor	ND	8.4		ug/Kg	2	09/22/21	AW	SW8081B
Heptachlor epoxide	ND	8.4		ug/Kg	2	09/22/21	AW	SW8081B
Methoxychlor	ND	42		ug/Kg	2	09/22/21	AW	SW8081B
Toxaphene	ND	170		ug/Kg	2	09/22/21	AW	SW8081B

QA/QC Surrogates

% DCBP	66			%	2	09/22/21	AW	30 - 150 %
% DCBP (Confirmation)	64			%	2	09/22/21	AW	30 - 150 %
% TCMX	64			%	2	09/22/21	AW	30 - 150 %
% TCMX (Confirmation)	61			%	2	09/22/21	AW	30 - 150 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Volatiles								
1,1,1,2-Tetrachloroethane	ND	8.2	1.6	ug/Kg	1	09/22/21	JLI	SW8260C
1,1,1-Trichloroethane	ND	8.2	0.82	ug/Kg	1	09/22/21	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	8.2	1.6	ug/Kg	1	09/22/21	JLI	SW8260C
1,1,2-Trichloroethane	ND	8.2	1.6	ug/Kg	1	09/22/21	JLI	SW8260C
1,1-Dichloroethane	ND	8.2	1.6	ug/Kg	1	09/22/21	JLI	SW8260C
1,1-Dichloroethene	ND	8.2	0.82	ug/Kg	1	09/22/21	JLI	SW8260C
1,1-Dichloropropene	ND	8.2	0.82	ug/Kg	1	09/22/21	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	8.2	1.6	ug/Kg	1	09/22/21	JLI	SW8260C
1,2,3-Trichloropropane	ND	8.2	0.82	ug/Kg	1	09/22/21	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	8.2	1.6	ug/Kg	1	09/22/21	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	8.2	0.82	ug/Kg	1	09/22/21	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	8.2	1.6	ug/Kg	1	09/22/21	JLI	SW8260C
1,2-Dibromoethane	ND	8.2	0.82	ug/Kg	1	09/22/21	JLI	SW8260C
1,2-Dichlorobenzene	ND	8.2	0.82	ug/Kg	1	09/22/21	JLI	SW8260C
1,2-Dichloroethane	ND	8.2	0.82	ug/Kg	1	09/22/21	JLI	SW8260C
1,2-Dichloropropane	ND	8.2	1.6	ug/Kg	1	09/22/21	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	8.2	0.82	ug/Kg	1	09/22/21	JLI	SW8260C
1,3-Dichlorobenzene	ND	8.2	0.82	ug/Kg	1	09/22/21	JLI	SW8260C
1,3-Dichloropropane	ND	8.2	1.6	ug/Kg	1	09/22/21	JLI	SW8260C
1,4-Dichlorobenzene	ND	8.2	0.82	ug/Kg	1	09/22/21	JLI	SW8260C
2,2-Dichloropropane	ND	8.2	0.82	ug/Kg	1	09/22/21	JLI	SW8260C
2-Chlorotoluene	ND	8.2	1.6	ug/Kg	1	09/22/21	JLI	SW8260C
2-Hexanone	ND	41	8.2	ug/Kg	1	09/22/21	JLI	SW8260C
2-Isopropyltoluene	ND	8.2	0.82	ug/Kg	1	09/22/21	JLI	SW8260C
4-Chlorotoluene	ND	8.2	0.82	ug/Kg	1	09/22/21	JLI	SW8260C
4-Methyl-2-pentanone	ND	41	8.2	ug/Kg	1	09/22/21	JLI	SW8260C
Acetone	10	JS 41	8.2	ug/Kg	1	09/22/21	JLI	SW8260C
Acrylonitrile	ND	16	1.6	ug/Kg	1	09/22/21	JLI	SW8260C
Benzene	ND	8.2	0.82	ug/Kg	1	09/22/21	JLI	SW8260C
Bromobenzene	ND	8.2	0.82	ug/Kg	1	09/22/21	JLI	SW8260C
Bromochloromethane	ND	8.2	0.82	ug/Kg	1	09/22/21	JLI	SW8260C
Bromodichloromethane	ND	8.2	1.6	ug/Kg	1	09/22/21	JLI	SW8260C
Bromoform	ND	8.2	1.6	ug/Kg	1	09/22/21	JLI	SW8260C
Bromomethane	ND	8.2	3.3	ug/Kg	1	09/22/21	JLI	SW8260C
Carbon Disulfide	ND	8.2	1.6	ug/Kg	1	09/22/21	JLI	SW8260C
Carbon tetrachloride	ND	8.2	1.6	ug/Kg	1	09/22/21	JLI	SW8260C
Chlorobenzene	ND	8.2	0.82	ug/Kg	1	09/22/21	JLI	SW8260C
Chloroethane	ND	8.2	0.82	ug/Kg	1	09/22/21	JLI	SW8260C
Chloroform	ND	8.2	0.82	ug/Kg	1	09/22/21	JLI	SW8260C
Chloromethane	ND	8.2	1.6	ug/Kg	1	09/22/21	JLI	SW8260C
cis-1,2-Dichloroethene	ND	8.2	0.82	ug/Kg	1	09/22/21	JLI	SW8260C
cis-1,3-Dichloropropene	ND	8.2	0.82	ug/Kg	1	09/22/21	JLI	SW8260C
Dibromochloromethane	ND	8.2	1.6	ug/Kg	1	09/22/21	JLI	SW8260C
Dibromomethane	ND	8.2	1.6	ug/Kg	1	09/22/21	JLI	SW8260C
Dichlorodifluoromethane	ND	8.2	0.82	ug/Kg	1	09/22/21	JLI	SW8260C
Ethylbenzene	ND	8.2	0.82	ug/Kg	1	09/22/21	JLI	SW8260C
Hexachlorobutadiene	ND	8.2	0.82	ug/Kg	1	09/22/21	JLI	SW8260C
Isopropylbenzene	ND	8.2	0.82	ug/Kg	1	09/22/21	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
m&p-Xylene	ND	8.2	1.6	ug/Kg	1	09/22/21	JLI	SW8260C
Methyl Ethyl Ketone	ND	49	8.2	ug/Kg	1	09/22/21	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	16	1.6	ug/Kg	1	09/22/21	JLI	SW8260C
Methylene chloride	ND	8.2	8.2	ug/Kg	1	09/22/21	JLI	SW8260C
Naphthalene	ND	8.2	1.6	ug/Kg	1	09/22/21	JLI	SW8260C
n-Butylbenzene	ND	8.2	0.82	ug/Kg	1	09/22/21	JLI	SW8260C
n-Propylbenzene	ND	8.2	1.6	ug/Kg	1	09/22/21	JLI	SW8260C
o-Xylene	ND	8.2	1.6	ug/Kg	1	09/22/21	JLI	SW8260C
p-Isopropyltoluene	ND	8.2	0.82	ug/Kg	1	09/22/21	JLI	SW8260C
sec-Butylbenzene	ND	8.2	0.82	ug/Kg	1	09/22/21	JLI	SW8260C
Styrene	ND	8.2	0.82	ug/Kg	1	09/22/21	JLI	SW8260C
tert-Butylbenzene	ND	8.2	0.82	ug/Kg	1	09/22/21	JLI	SW8260C
Tetrachloroethene	ND	8.2	1.6	ug/Kg	1	09/22/21	JLI	SW8260C
Tetrahydrofuran (THF)	ND	16	4.1	ug/Kg	1	09/22/21	JLI	SW8260C
Toluene	ND	8.2	0.82	ug/Kg	1	09/22/21	JLI	SW8260C
trans-1,2-Dichloroethene	ND	8.2	0.82	ug/Kg	1	09/22/21	JLI	SW8260C
trans-1,3-Dichloropropene	ND	8.2	0.82	ug/Kg	1	09/22/21	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	16	4.1	ug/Kg	1	09/22/21	JLI	SW8260C
Trichloroethene	ND	8.2	0.82	ug/Kg	1	09/22/21	JLI	SW8260C
Trichlorofluoromethane	ND	8.2	1.6	ug/Kg	1	09/22/21	JLI	SW8260C
Trichlorotrifluoroethane	ND	8.2	0.82	ug/Kg	1	09/22/21	JLI	SW8260C
Vinyl chloride	ND	8.2	0.82	ug/Kg	1	09/22/21	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	99			%	1	09/22/21	JLI	70 - 130 %
% Bromofluorobenzene	94			%	1	09/22/21	JLI	70 - 130 %
% Dibromofluoromethane	95			%	1	09/22/21	JLI	70 - 130 %
% Toluene-d8	97			%	1	09/22/21	JLI	70 - 130 %
<u>1,4-dioxane</u>								
1,4-dioxane	ND	100		ug/kg	1	09/22/21	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	99			%	1	09/22/21	JLI	70 - 130 %
% Bromofluorobenzene	94			%	1	09/22/21	JLI	70 - 130 %
% Dibromofluoromethane	95			%	1	09/22/21	JLI	70 - 130 %
% Toluene-d8	97			%	1	09/22/21	JLI	70 - 130 %
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	33		ug/Kg	1	09/22/21	JLI	SW8260C
Acrolein	ND	8.2		ug/Kg	1	09/22/21	JLI	SW8260C
Acrylonitrile	ND	33		ug/Kg	1	09/22/21	JLI	SW8260C
Tert-butyl alcohol	ND	160		ug/Kg	1	09/22/21	JLI	SW8260C
<u>Semivolatiles</u>								
1,2,4,5-Tetrachlorobenzene	ND	300	150	ug/Kg	1	09/22/21	WB	SW8270D
1,2,4-Trichlorobenzene	ND	300	130	ug/Kg	1	09/22/21	WB	SW8270D
1,2-Dichlorobenzene	ND	300	120	ug/Kg	1	09/22/21	WB	SW8270D
1,2-Diphenylhydrazine	ND	300	140	ug/Kg	1	09/22/21	WB	SW8270D
1,3-Dichlorobenzene	ND	300	130	ug/Kg	1	09/22/21	WB	SW8270D
1,4-Dichlorobenzene	ND	300	130	ug/Kg	1	09/22/21	WB	SW8270D
2,4,5-Trichlorophenol	ND	300	230	ug/Kg	1	09/22/21	WB	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
2,4,6-Trichlorophenol	ND	210	140	ug/Kg	1	09/22/21	WB	SW8270D
2,4-Dichlorophenol	ND	210	150	ug/Kg	1	09/22/21	WB	SW8270D
2,4-Dimethylphenol	ND	300	110	ug/Kg	1	09/22/21	WB	SW8270D
2,4-Dinitrophenol	ND	300	300	ug/Kg	1	09/22/21	WB	SW8270D
2,4-Dinitrotoluene	ND	210	170	ug/Kg	1	09/22/21	WB	SW8270D
2,6-Dinitrotoluene	ND	210	130	ug/Kg	1	09/22/21	WB	SW8270D
2-Chloronaphthalene	ND	300	120	ug/Kg	1	09/22/21	WB	SW8270D
2-Chlorophenol	ND	300	120	ug/Kg	1	09/22/21	WB	SW8270D
2-Methylnaphthalene	ND	300	130	ug/Kg	1	09/22/21	WB	SW8270D
2-Methylphenol (o-cresol)	ND	300	200	ug/Kg	1	09/22/21	WB	SW8270D
2-Nitroaniline	ND	300	300	ug/Kg	1	09/22/21	WB	SW8270D
2-Nitrophenol	ND	300	270	ug/Kg	1	09/22/21	WB	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	300	170	ug/Kg	1	09/22/21	WB	SW8270D
3,3'-Dichlorobenzidine	ND	210	200	ug/Kg	1	09/22/21	WB	SW8270D
3-Nitroaniline	ND	420	850	ug/Kg	1	09/22/21	WB	SW8270D
4,6-Dinitro-2-methylphenol	ND	250	85	ug/Kg	1	09/22/21	WB	SW8270D
4-Bromophenyl phenyl ether	ND	300	120	ug/Kg	1	09/22/21	WB	SW8270D
4-Chloro-3-methylphenol	ND	300	150	ug/Kg	1	09/22/21	WB	SW8270D
4-Chloroaniline	ND	340	200	ug/Kg	1	09/22/21	WB	SW8270D
4-Chlorophenyl phenyl ether	ND	300	140	ug/Kg	1	09/22/21	WB	SW8270D
4-Nitroaniline	ND	420	140	ug/Kg	1	09/22/21	WB	SW8270D
4-Nitrophenol	ND	420	190	ug/Kg	1	09/22/21	WB	SW8270D
Acenaphthene	ND	300	130	ug/Kg	1	09/22/21	WB	SW8270D
Acenaphthylene	ND	300	120	ug/Kg	1	09/22/21	WB	SW8270D
Acetophenone	ND	300	130	ug/Kg	1	09/22/21	WB	SW8270D
Aniline	ND	340	340	ug/Kg	1	09/22/21	WB	SW8270D
Anthracene	ND	300	140	ug/Kg	1	09/22/21	WB	SW8270D
Benz(a)anthracene	ND	300	140	ug/Kg	1	09/22/21	WB	SW8270D
Benzidine	ND	420	250	ug/Kg	1	09/22/21	WB	SW8270D
Benzo(a)pyrene	ND	210	140	ug/Kg	1	09/22/21	WB	SW8270D
Benzo(b)fluoranthene	ND	300	150	ug/Kg	1	09/22/21	WB	SW8270D
Benzo(ghi)perylene	ND	300	140	ug/Kg	1	09/22/21	WB	SW8270D
Benzo(k)fluoranthene	ND	300	140	ug/Kg	1	09/22/21	WB	SW8270D
Benzoic acid	ND	2100	850	ug/Kg	1	09/22/21	WB	SW8270D
Benzyl butyl phthalate	ND	300	110	ug/Kg	1	09/22/21	WB	SW8270D
Bis(2-chloroethoxy)methane	ND	300	120	ug/Kg	1	09/22/21	WB	SW8270D
Bis(2-chloroethyl)ether	ND	210	110	ug/Kg	1	09/22/21	WB	SW8270D
Bis(2-chloroisopropyl)ether	ND	300	120	ug/Kg	1	09/22/21	WB	SW8270D
Bis(2-ethylhexyl)phthalate	ND	300	120	ug/Kg	1	09/22/21	WB	SW8270D
Carbazole	ND	210	170	ug/Kg	1	09/22/21	WB	SW8270D
Chrysene	ND	300	140	ug/Kg	1	09/22/21	WB	SW8270D
Dibenz(a,h)anthracene	ND	210	140	ug/Kg	1	09/22/21	WB	SW8270D
Dibenzofuran	ND	300	120	ug/Kg	1	09/22/21	WB	SW8270D
Diethyl phthalate	ND	300	130	ug/Kg	1	09/22/21	WB	SW8270D
Dimethylphthalate	ND	300	130	ug/Kg	1	09/22/21	WB	SW8270D
Di-n-butylphthalate	ND	300	110	ug/Kg	1	09/22/21	WB	SW8270D
Di-n-octylphthalate	ND	300	110	ug/Kg	1	09/22/21	WB	SW8270D
Fluoranthene	ND	300	140	ug/Kg	1	09/22/21	WB	SW8270D
Fluorene	ND	300	140	ug/Kg	1	09/22/21	WB	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Hexachlorobenzene	ND	210	120	ug/Kg	1	09/22/21	WB	SW8270D
Hexachlorobutadiene	ND	300	150	ug/Kg	1	09/22/21	WB	SW8270D
Hexachlorocyclopentadiene	ND	300	130	ug/Kg	1	09/22/21	WB	SW8270D
Hexachloroethane	ND	210	130	ug/Kg	1	09/22/21	WB	SW8270D
Indeno(1,2,3-cd)pyrene	ND	300	140	ug/Kg	1	09/22/21	WB	SW8270D
Isophorone	ND	210	120	ug/Kg	1	09/22/21	WB	SW8270D
Naphthalene	ND	300	120	ug/Kg	1	09/22/21	WB	SW8270D
Nitrobenzene	ND	210	150	ug/Kg	1	09/22/21	WB	SW8270D
N-Nitrosodimethylamine	ND	300	120	ug/Kg	1	09/22/21	WB	SW8270D
N-Nitrosodi-n-propylamine	ND	210	140	ug/Kg	1	09/22/21	WB	SW8270D
N-Nitrosodiphenylamine	ND	300	160	ug/Kg	1	09/22/21	WB	SW8270D
Pentachloronitrobenzene	ND	300	160	ug/Kg	1	09/22/21	WB	SW8270D
Pentachlorophenol	ND	250	160	ug/Kg	1	09/22/21	WB	SW8270D
Phenanthrene	ND	300	120	ug/Kg	1	09/22/21	WB	SW8270D
Phenol	ND	300	140	ug/Kg	1	09/22/21	WB	SW8270D
Pyrene	ND	300	150	ug/Kg	1	09/22/21	WB	SW8270D
Pyridine	ND	300	100	ug/Kg	1	09/22/21	WB	SW8270D
<u>QA/QC Surrogates</u>								
% 2,4,6-Tribromophenol	95			%	1	09/22/21	WB	30 - 130 %
% 2-Fluorobiphenyl	80			%	1	09/22/21	WB	30 - 130 %
% 2-Fluorophenol	74			%	1	09/22/21	WB	30 - 130 %
% Nitrobenzene-d5	82			%	1	09/22/21	WB	30 - 130 %
% Phenol-d5	80			%	1	09/22/21	WB	30 - 130 %
% Terphenyl-d14	82			%	1	09/22/21	WB	30 - 130 %

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

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:

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

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

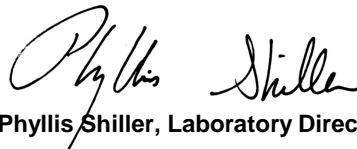
Volatile Comment:

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

September 28, 2021

Reviewed and Released by: Ethan Lee, Project Manager



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



Analysis Report

September 28, 2021

FOR: Attn: Mr Kevin Brussee
 Brussee Environmental Corp
 14 Evans Lane
 Miller Place, NY 11764

Sample Information

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

Custody Information

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

Date

09/20/21
 09/21/21

Time

8:40
 15:23

Laboratory Data

SDG ID: GCJ33255
 Phoenix ID: CJ33257

Project ID: 188 E 135TH ST BRONX NY
 Client ID: 20B1 (0-2)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.37	0.37		mg/Kg	1	09/22/21	EK	SW6010D
Aluminum	8870	37		mg/Kg	10	09/22/21	EK	SW6010D
Arsenic	3.20	0.75		mg/Kg	1	09/22/21	EK	SW6010D
Barium	56.7	0.7		mg/Kg	1	09/22/21	EK	SW6010D
Beryllium	< 0.30	0.30		mg/Kg	1	09/22/21	EK	SW6010D
Calcium	13900	37		mg/Kg	10	09/22/21	EK	SW6010D
Cadmium	0.90	0.37		mg/Kg	1	09/22/21	EK	SW6010D
Cobalt	11.2	0.37		mg/Kg	1	09/22/21	EK	SW6010D
Chromium	21.5	0.37		mg/Kg	1	09/22/21	EK	SW6010D
Copper	27.6	0.7		mg/kg	1	09/22/21	EK	SW6010D
Iron	17800	37		mg/Kg	10	09/22/21	EK	SW6010D
Mercury	0.21	0.03		mg/Kg	1	09/22/21	AP	SW7471B
Potassium	1800	7		mg/Kg	1	09/22/21	EK	SW6010D
Magnesium	6110	37		mg/Kg	10	09/22/21	EK	SW6010D
Manganese	268	3.7		mg/Kg	10	09/22/21	EK	SW6010D
Sodium	164	7		mg/Kg	1	09/22/21	EK	SW6010D
Nickel	19.2	0.37		mg/Kg	1	09/22/21	EK	SW6010D
Lead	75.9	0.7		mg/Kg	1	09/22/21	EK	SW6010D
Antimony	< 3.7	3.7		mg/Kg	1	09/22/21	EK	SW6010D
Selenium	< 1.5	1.5		mg/Kg	1	09/22/21	EK	SW6010D
Thallium	< 1.5	1.5		mg/Kg	1	09/22/21	EK	SW6010D
Vanadium	28.4	0.37		mg/Kg	1	09/22/21	EK	SW6010D
Zinc	85.0	0.7		mg/Kg	1	09/22/21	EK	SW6010D
Percent Solid	86			%		09/21/21	Q	SW846-%Solid
Soil Extraction for PCB	Completed					09/21/21	B/E	SW3545A
Soil Extraction for Pesticides	Completed					09/21/21	B/E	SW3545A
Field Extraction	Completed					09/20/21		SW5035A

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Mercury Digestion	Completed					09/22/21	AB/AB	SW7471B
Soil Extraction for SVOA	Completed					09/21/21	R/K	SW3546
Total Metals Digest	Completed					09/21/21	M/AG	SW3050B

Polychlorinated Biphenyls

PCB-1016	ND	76	76	ug/Kg	2	09/23/21	SC	SW8082A
PCB-1221	ND	76	76	ug/Kg	2	09/23/21	SC	SW8082A
PCB-1232	ND	76	76	ug/Kg	2	09/23/21	SC	SW8082A
PCB-1242	ND	76	76	ug/Kg	2	09/23/21	SC	SW8082A
PCB-1248	ND	76	76	ug/Kg	2	09/23/21	SC	SW8082A
PCB-1254	ND	76	76	ug/Kg	2	09/23/21	SC	SW8082A
PCB-1260	ND	76	76	ug/Kg	2	09/23/21	SC	SW8082A
PCB-1262	ND	76	76	ug/Kg	2	09/23/21	SC	SW8082A
PCB-1268	ND	76	76	ug/Kg	2	09/23/21	SC	SW8082A

QA/QC Surrogates

% DCBP	50			%	2	09/23/21	SC	30 - 150 %
% DCBP (Confirmation)	49			%	2	09/23/21	SC	30 - 150 %
% TCMX	66			%	2	09/23/21	SC	30 - 150 %
% TCMX (Confirmation)	69			%	2	09/23/21	SC	30 - 150 %

Pesticides - Soil

4,4' -DDD	ND	2.3		ug/Kg	2	09/22/21	AW	SW8081B
4,4' -DDE	ND	2.3		ug/Kg	2	09/22/21	AW	SW8081B
4,4' -DDT	ND	2.3		ug/Kg	2	09/22/21	AW	SW8081B
a-BHC	ND	7.6		ug/Kg	2	09/22/21	AW	SW8081B
a-Chlordane	ND	3.8		ug/Kg	2	09/22/21	AW	SW8081B
Aldrin	ND	3.8		ug/Kg	2	09/22/21	AW	SW8081B
b-BHC	ND	7.6		ug/Kg	2	09/22/21	AW	SW8081B
Chlordane	ND	38		ug/Kg	2	09/22/21	AW	SW8081B
d-BHC	ND	7.6		ug/Kg	2	09/22/21	AW	SW8081B
Dieldrin	ND	3.8		ug/Kg	2	09/22/21	AW	SW8081B
Endosulfan I	ND	7.6		ug/Kg	2	09/22/21	AW	SW8081B
Endosulfan II	ND	7.6		ug/Kg	2	09/22/21	AW	SW8081B
Endosulfan sulfate	ND	7.6		ug/Kg	2	09/22/21	AW	SW8081B
Endrin	ND	7.6		ug/Kg	2	09/22/21	AW	SW8081B
Endrin aldehyde	ND	7.6		ug/Kg	2	09/22/21	AW	SW8081B
Endrin ketone	ND	7.6		ug/Kg	2	09/22/21	AW	SW8081B
g-BHC	ND	1.5		ug/Kg	2	09/22/21	AW	SW8081B
g-Chlordane	ND	3.8		ug/Kg	2	09/22/21	AW	SW8081B
Heptachlor	ND	7.6		ug/Kg	2	09/22/21	AW	SW8081B
Heptachlor epoxide	ND	7.6		ug/Kg	2	09/22/21	AW	SW8081B
Methoxychlor	ND	38		ug/Kg	2	09/22/21	AW	SW8081B
Toxaphene	ND	150		ug/Kg	2	09/22/21	AW	SW8081B

QA/QC Surrogates

% DCBP	57			%	2	09/22/21	AW	30 - 150 %
% DCBP (Confirmation)	72			%	2	09/22/21	AW	30 - 150 %
% TCMX	61			%	2	09/22/21	AW	30 - 150 %
% TCMX (Confirmation)	63			%	2	09/22/21	AW	30 - 150 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	6.8	1.4	ug/Kg	1	09/22/21	JLI	SW8260C
1,1,1-Trichloroethane	ND	6.8	0.68	ug/Kg	1	09/22/21	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	6.8	1.4	ug/Kg	1	09/22/21	JLI	SW8260C
1,1,2-Trichloroethane	ND	6.8	1.4	ug/Kg	1	09/22/21	JLI	SW8260C
1,1-Dichloroethane	ND	6.8	1.4	ug/Kg	1	09/22/21	JLI	SW8260C
1,1-Dichloroethene	ND	6.8	0.68	ug/Kg	1	09/22/21	JLI	SW8260C
1,1-Dichloropropene	ND	6.8	0.68	ug/Kg	1	09/22/21	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	6.8	1.4	ug/Kg	1	09/22/21	JLI	SW8260C
1,2,3-Trichloropropane	ND	6.8	0.68	ug/Kg	1	09/22/21	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	6.8	1.4	ug/Kg	1	09/22/21	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	6.8	0.68	ug/Kg	1	09/22/21	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	6.8	1.4	ug/Kg	1	09/22/21	JLI	SW8260C
1,2-Dibromoethane	ND	6.8	0.68	ug/Kg	1	09/22/21	JLI	SW8260C
1,2-Dichlorobenzene	ND	6.8	0.68	ug/Kg	1	09/22/21	JLI	SW8260C
1,2-Dichloroethane	ND	6.8	0.68	ug/Kg	1	09/22/21	JLI	SW8260C
1,2-Dichloropropane	ND	6.8	1.4	ug/Kg	1	09/22/21	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	6.8	0.68	ug/Kg	1	09/22/21	JLI	SW8260C
1,3-Dichlorobenzene	ND	6.8	0.68	ug/Kg	1	09/22/21	JLI	SW8260C
1,3-Dichloropropane	ND	6.8	1.4	ug/Kg	1	09/22/21	JLI	SW8260C
1,4-Dichlorobenzene	ND	6.8	0.68	ug/Kg	1	09/22/21	JLI	SW8260C
2,2-Dichloropropane	ND	6.8	0.68	ug/Kg	1	09/22/21	JLI	SW8260C
2-Chlorotoluene	ND	6.8	1.4	ug/Kg	1	09/22/21	JLI	SW8260C
2-Hexanone	ND	34	6.8	ug/Kg	1	09/22/21	JLI	SW8260C
2-Isopropyltoluene	ND	6.8	0.68	ug/Kg	1	09/22/21	JLI	SW8260C
4-Chlorotoluene	ND	6.8	0.68	ug/Kg	1	09/22/21	JLI	SW8260C
4-Methyl-2-pentanone	ND	34	6.8	ug/Kg	1	09/22/21	JLI	SW8260C
Acetone	ND	34	6.8	ug/Kg	1	09/22/21	JLI	SW8260C
Acrylonitrile	ND	14	1.4	ug/Kg	1	09/22/21	JLI	SW8260C
Benzene	ND	6.8	0.68	ug/Kg	1	09/22/21	JLI	SW8260C
Bromobenzene	ND	6.8	0.68	ug/Kg	1	09/22/21	JLI	SW8260C
Bromochloromethane	ND	6.8	0.68	ug/Kg	1	09/22/21	JLI	SW8260C
Bromodichloromethane	ND	6.8	1.4	ug/Kg	1	09/22/21	JLI	SW8260C
Bromoform	ND	6.8	1.4	ug/Kg	1	09/22/21	JLI	SW8260C
Bromomethane	ND	6.8	2.7	ug/Kg	1	09/22/21	JLI	SW8260C
Carbon Disulfide	ND	6.8	1.4	ug/Kg	1	09/22/21	JLI	SW8260C
Carbon tetrachloride	ND	6.8	1.4	ug/Kg	1	09/22/21	JLI	SW8260C
Chlorobenzene	ND	6.8	0.68	ug/Kg	1	09/22/21	JLI	SW8260C
Chloroethane	ND	6.8	0.68	ug/Kg	1	09/22/21	JLI	SW8260C
Chloroform	ND	6.8	0.68	ug/Kg	1	09/22/21	JLI	SW8260C
Chloromethane	ND	6.8	1.4	ug/Kg	1	09/22/21	JLI	SW8260C
cis-1,2-Dichloroethene	ND	6.8	0.68	ug/Kg	1	09/22/21	JLI	SW8260C
cis-1,3-Dichloropropene	ND	6.8	0.68	ug/Kg	1	09/22/21	JLI	SW8260C
Dibromochloromethane	ND	6.8	1.4	ug/Kg	1	09/22/21	JLI	SW8260C
Dibromomethane	ND	6.8	1.4	ug/Kg	1	09/22/21	JLI	SW8260C
Dichlorodifluoromethane	ND	6.8	0.68	ug/Kg	1	09/22/21	JLI	SW8260C
Ethylbenzene	ND	6.8	0.68	ug/Kg	1	09/22/21	JLI	SW8260C
Hexachlorobutadiene	ND	6.8	0.68	ug/Kg	1	09/22/21	JLI	SW8260C
Isopropylbenzene	ND	6.8	0.68	ug/Kg	1	09/22/21	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
m&p-Xylene	ND	6.8	1.4	ug/Kg	1	09/22/21	JLI	SW8260C
Methyl Ethyl Ketone	ND	41	6.8	ug/Kg	1	09/22/21	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	14	1.4	ug/Kg	1	09/22/21	JLI	SW8260C
Methylene chloride	ND	6.8	6.8	ug/Kg	1	09/22/21	JLI	SW8260C
Naphthalene	ND	6.8	1.4	ug/Kg	1	09/22/21	JLI	SW8260C
n-Butylbenzene	ND	6.8	0.68	ug/Kg	1	09/22/21	JLI	SW8260C
n-Propylbenzene	ND	6.8	1.4	ug/Kg	1	09/22/21	JLI	SW8260C
o-Xylene	ND	6.8	1.4	ug/Kg	1	09/22/21	JLI	SW8260C
p-Isopropyltoluene	ND	6.8	0.68	ug/Kg	1	09/22/21	JLI	SW8260C
sec-Butylbenzene	ND	6.8	0.68	ug/Kg	1	09/22/21	JLI	SW8260C
Styrene	ND	6.8	0.68	ug/Kg	1	09/22/21	JLI	SW8260C
tert-Butylbenzene	ND	6.8	0.68	ug/Kg	1	09/22/21	JLI	SW8260C
Tetrachloroethene	ND	6.8	1.4	ug/Kg	1	09/22/21	JLI	SW8260C
Tetrahydrofuran (THF)	ND	14	3.4	ug/Kg	1	09/22/21	JLI	SW8260C
Toluene	ND	6.8	0.68	ug/Kg	1	09/22/21	JLI	SW8260C
trans-1,2-Dichloroethene	ND	6.8	0.68	ug/Kg	1	09/22/21	JLI	SW8260C
trans-1,3-Dichloropropene	ND	6.8	0.68	ug/Kg	1	09/22/21	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	14	3.4	ug/Kg	1	09/22/21	JLI	SW8260C
Trichloroethene	ND	6.8	0.68	ug/Kg	1	09/22/21	JLI	SW8260C
Trichlorofluoromethane	ND	6.8	1.4	ug/Kg	1	09/22/21	JLI	SW8260C
Trichlorotrifluoroethane	ND	6.8	0.68	ug/Kg	1	09/22/21	JLI	SW8260C
Vinyl chloride	ND	6.8	0.68	ug/Kg	1	09/22/21	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	100			%	1	09/22/21	JLI	70 - 130 %
% Bromofluorobenzene	94			%	1	09/22/21	JLI	70 - 130 %
% Dibromofluoromethane	94			%	1	09/22/21	JLI	70 - 130 %
% Toluene-d8	97			%	1	09/22/21	JLI	70 - 130 %
<u>1,4-dioxane</u>								
1,4-dioxane	ND	100		ug/kg	1	09/22/21	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	100			%	1	09/22/21	JLI	70 - 130 %
% Bromofluorobenzene	94			%	1	09/22/21	JLI	70 - 130 %
% Dibromofluoromethane	94			%	1	09/22/21	JLI	70 - 130 %
% Toluene-d8	97			%	1	09/22/21	JLI	70 - 130 %
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	27		ug/Kg	1	09/22/21	JLI	SW8260C
Acrolein	ND	6.8		ug/Kg	1	09/22/21	JLI	SW8260C
Acrylonitrile	ND	27		ug/Kg	1	09/22/21	JLI	SW8260C
Tert-butyl alcohol	ND	140		ug/Kg	1	09/22/21	JLI	SW8260C
<u>Semivolatiles</u>								
1,2,4,5-Tetrachlorobenzene	ND	260	130	ug/Kg	1	09/22/21	WB	SW8270D
1,2,4-Trichlorobenzene	ND	260	110	ug/Kg	1	09/22/21	WB	SW8270D
1,2-Dichlorobenzene	ND	260	110	ug/Kg	1	09/22/21	WB	SW8270D
1,2-Diphenylhydrazine	ND	260	120	ug/Kg	1	09/22/21	WB	SW8270D
1,3-Dichlorobenzene	ND	260	110	ug/Kg	1	09/22/21	WB	SW8270D
1,4-Dichlorobenzene	ND	260	110	ug/Kg	1	09/22/21	WB	SW8270D
2,4,5-Trichlorophenol	ND	260	210	ug/Kg	1	09/22/21	WB	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
2,4,6-Trichlorophenol	ND	190	120	ug/Kg	1	09/22/21	WB	SW8270D
2,4-Dichlorophenol	ND	190	130	ug/Kg	1	09/22/21	WB	SW8270D
2,4-Dimethylphenol	ND	260	93	ug/Kg	1	09/22/21	WB	SW8270D
2,4-Dinitrophenol	ND	260	260	ug/Kg	1	09/22/21	WB	SW8270D
2,4-Dinitrotoluene	ND	190	150	ug/Kg	1	09/22/21	WB	SW8270D
2,6-Dinitrotoluene	ND	190	120	ug/Kg	1	09/22/21	WB	SW8270D
2-Chloronaphthalene	ND	260	110	ug/Kg	1	09/22/21	WB	SW8270D
2-Chlorophenol	ND	260	110	ug/Kg	1	09/22/21	WB	SW8270D
2-Methylnaphthalene	ND	260	110	ug/Kg	1	09/22/21	WB	SW8270D
2-Methylphenol (o-cresol)	ND	260	180	ug/Kg	1	09/22/21	WB	SW8270D
2-Nitroaniline	ND	260	260	ug/Kg	1	09/22/21	WB	SW8270D
2-Nitrophenol	ND	260	240	ug/Kg	1	09/22/21	WB	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	260	150	ug/Kg	1	09/22/21	WB	SW8270D
3,3'-Dichlorobenzidine	ND	190	180	ug/Kg	1	09/22/21	WB	SW8270D
3-Nitroaniline	ND	380	750	ug/Kg	1	09/22/21	WB	SW8270D
4,6-Dinitro-2-methylphenol	ND	230	75	ug/Kg	1	09/22/21	WB	SW8270D
4-Bromophenyl phenyl ether	ND	260	110	ug/Kg	1	09/22/21	WB	SW8270D
4-Chloro-3-methylphenol	ND	260	130	ug/Kg	1	09/22/21	WB	SW8270D
4-Chloroaniline	ND	300	170	ug/Kg	1	09/22/21	WB	SW8270D
4-Chlorophenyl phenyl ether	ND	260	130	ug/Kg	1	09/22/21	WB	SW8270D
4-Nitroaniline	ND	380	130	ug/Kg	1	09/22/21	WB	SW8270D
4-Nitrophenol	ND	380	170	ug/Kg	1	09/22/21	WB	SW8270D
Acenaphthene	ND	260	110	ug/Kg	1	09/22/21	WB	SW8270D
Acenaphthylene	ND	260	110	ug/Kg	1	09/22/21	WB	SW8270D
Acetophenone	ND	260	120	ug/Kg	1	09/22/21	WB	SW8270D
Aniline	ND	300	300	ug/Kg	1	09/22/21	WB	SW8270D
Anthracene	ND	260	120	ug/Kg	1	09/22/21	WB	SW8270D
Benz(a)anthracene	ND	260	130	ug/Kg	1	09/22/21	WB	SW8270D
Benzidine	ND	380	220	ug/Kg	1	09/22/21	WB	SW8270D
Benzo(a)pyrene	ND	190	120	ug/Kg	1	09/22/21	WB	SW8270D
Benzo(b)fluoranthene	ND	260	130	ug/Kg	1	09/22/21	WB	SW8270D
Benzo(ghi)perylene	ND	260	120	ug/Kg	1	09/22/21	WB	SW8270D
Benzo(k)fluoranthene	ND	260	120	ug/Kg	1	09/22/21	WB	SW8270D
Benzoic acid	ND	1900	750	ug/Kg	1	09/22/21	WB	SW8270D
Benzyl butyl phthalate	ND	260	97	ug/Kg	1	09/22/21	WB	SW8270D
Bis(2-chloroethoxy)methane	ND	260	100	ug/Kg	1	09/22/21	WB	SW8270D
Bis(2-chloroethyl)ether	ND	190	100	ug/Kg	1	09/22/21	WB	SW8270D
Bis(2-chloroisopropyl)ether	ND	260	100	ug/Kg	1	09/22/21	WB	SW8270D
Bis(2-ethylhexyl)phthalate	ND	260	110	ug/Kg	1	09/22/21	WB	SW8270D
Carbazole	ND	190	150	ug/Kg	1	09/22/21	WB	SW8270D
Chrysene	ND	260	130	ug/Kg	1	09/22/21	WB	SW8270D
Dibenz(a,h)anthracene	ND	190	120	ug/Kg	1	09/22/21	WB	SW8270D
Dibenzofuran	ND	260	110	ug/Kg	1	09/22/21	WB	SW8270D
Diethyl phthalate	ND	260	120	ug/Kg	1	09/22/21	WB	SW8270D
Dimethylphthalate	ND	260	120	ug/Kg	1	09/22/21	WB	SW8270D
Di-n-butylphthalate	ND	260	100	ug/Kg	1	09/22/21	WB	SW8270D
Di-n-octylphthalate	ND	260	97	ug/Kg	1	09/22/21	WB	SW8270D
Fluoranthene	170	J 260	120	ug/Kg	1	09/22/21	WB	SW8270D
Fluorene	ND	260	120	ug/Kg	1	09/22/21	WB	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Hexachlorobenzene	ND	190	110	ug/Kg	1	09/22/21	WB	SW8270D
Hexachlorobutadiene	ND	260	140	ug/Kg	1	09/22/21	WB	SW8270D
Hexachlorocyclopentadiene	ND	260	110	ug/Kg	1	09/22/21	WB	SW8270D
Hexachloroethane	ND	190	110	ug/Kg	1	09/22/21	WB	SW8270D
Indeno(1,2,3-cd)pyrene	ND	260	120	ug/Kg	1	09/22/21	WB	SW8270D
Isophorone	ND	190	110	ug/Kg	1	09/22/21	WB	SW8270D
Naphthalene	ND	260	110	ug/Kg	1	09/22/21	WB	SW8270D
Nitrobenzene	ND	190	130	ug/Kg	1	09/22/21	WB	SW8270D
N-Nitrosodimethylamine	ND	260	110	ug/Kg	1	09/22/21	WB	SW8270D
N-Nitrosodi-n-propylamine	ND	190	120	ug/Kg	1	09/22/21	WB	SW8270D
N-Nitrosodiphenylamine	ND	260	140	ug/Kg	1	09/22/21	WB	SW8270D
Pentachloronitrobenzene	ND	260	140	ug/Kg	1	09/22/21	WB	SW8270D
Pentachlorophenol	ND	230	140	ug/Kg	1	09/22/21	WB	SW8270D
Phenanthrene	120	J 260	110	ug/Kg	1	09/22/21	WB	SW8270D
Phenol	ND	260	120	ug/Kg	1	09/22/21	WB	SW8270D
Pyrene	160	J 260	130	ug/Kg	1	09/22/21	WB	SW8270D
Pyridine	ND	260	92	ug/Kg	1	09/22/21	WB	SW8270D
QA/QC Surrogates								
% 2,4,6-Tribromophenol	106			%	1	09/22/21	WB	30 - 130 %
% 2-Fluorobiphenyl	81			%	1	09/22/21	WB	30 - 130 %
% 2-Fluorophenol	73			%	1	09/22/21	WB	30 - 130 %
% Nitrobenzene-d5	83			%	1	09/22/21	WB	30 - 130 %
% Phenol-d5	79			%	1	09/22/21	WB	30 - 130 %
% Terphenyl-d14	84			%	1	09/22/21	WB	30 - 130 %

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:

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


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

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

September 28, 2021

Reviewed and Released by: Ethan Lee, Project Manager



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



Analysis Report

September 28, 2021

FOR: Attn: Mr Kevin Brussee
 Brussee Environmental Corp
 14 Evans Lane
 Miller Place, NY 11764

Sample Information

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

Custody Information

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

Date

09/20/21
 09/21/21

Time

8:50
 15:23

Laboratory Data

SDG ID: GCJ33255
 Phoenix ID: CJ33258

Project ID: 188 E 135TH ST BRONX NY
 Client ID: 20B1 (3-5)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.35	0.35		mg/Kg	1	09/22/21	EK	SW6010D
Aluminum	8190	35		mg/Kg	10	09/22/21	EK	SW6010D
Arsenic	5.36	0.70		mg/Kg	1	09/22/21	EK	SW6010D
Barium	461	0.7		mg/Kg	1	09/22/21	EK	SW6010D
Beryllium	< 0.28	0.28		mg/Kg	1	09/22/21	EK	SW6010D
Calcium	45500	35		mg/Kg	10	09/22/21	EK	SW6010D
Cadmium	2.14	0.35		mg/Kg	1	09/22/21	EK	SW6010D
Cobalt	7.39	0.35		mg/Kg	1	09/22/21	EK	SW6010D
Chromium	21.8	0.35		mg/Kg	1	09/22/21	EK	SW6010D
Copper	35.2	0.7		mg/kg	1	09/22/21	EK	SW6010D
Iron	14600	35		mg/Kg	10	09/22/21	EK	SW6010D
Mercury	1.09	0.03		mg/Kg	2	09/22/21	AP	SW7471B
Potassium	1950	7		mg/Kg	1	09/22/21	EK	SW6010D
Magnesium	15500	35		mg/Kg	10	09/22/21	EK	SW6010D
Manganese	251	3.5		mg/Kg	10	09/22/21	EK	SW6010D
Sodium	271	7		mg/Kg	1	09/22/21	EK	SW6010D
Nickel	14.4	0.35		mg/Kg	1	09/22/21	EK	SW6010D
Lead	14400	70		mg/Kg	100	09/23/21	TH	SW6010D
Antimony	< 3.5	3.5		mg/Kg	1	09/22/21	EK	SW6010D
Selenium	< 1.4	1.4		mg/Kg	1	09/22/21	EK	SW6010D
Thallium	< 1.4	1.4		mg/Kg	1	09/22/21	EK	SW6010D
Vanadium	48.8	0.35		mg/Kg	1	09/22/21	EK	SW6010D
Zinc	452	7.0		mg/Kg	10	09/22/21	EK	SW6010D
Percent Solid	86			%		09/21/21	Q	SW846-%Solid
Soil Extraction for PCB	Completed					09/21/21	B/E	SW3545A
Soil Extraction for Pesticides	Completed					09/21/21	B/E	SW3545A
Field Extraction	Completed					09/20/21		SW5035A

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Mercury Digestion	Completed					09/22/21	AB/AB	SW7471B
Soil Extraction for SVOA	Completed					09/21/21	R/K	SW3546
Total Metals Digest	Completed					09/21/21	M/AG	SW3050B

Polychlorinated Biphenyls

PCB-1016	ND	76	76	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1221	ND	76	76	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1232	ND	76	76	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1242	ND	76	76	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1248	ND	76	76	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1254	ND	76	76	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1260	ND	76	76	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1262	ND	76	76	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1268	ND	76	76	ug/Kg	2	09/22/21	SC	SW8082A

QA/QC Surrogates

% DCBP	78			%	2	09/22/21	SC	30 - 150 %
% DCBP (Confirmation)	63			%	2	09/22/21	SC	30 - 150 %
% TCMX	67			%	2	09/22/21	SC	30 - 150 %
% TCMX (Confirmation)	47			%	2	09/22/21	SC	30 - 150 %

Pesticides - Soil

4,4' -DDD	ND	2.3		ug/Kg	2	09/22/21	AW	SW8081B
4,4' -DDE	ND	2.3		ug/Kg	2	09/22/21	AW	SW8081B
4,4' -DDT	ND	2.3		ug/Kg	2	09/22/21	AW	SW8081B
a-BHC	ND	7.6		ug/Kg	2	09/22/21	AW	SW8081B
a-Chlordane	ND	3.8		ug/Kg	2	09/22/21	AW	SW8081B
Aldrin	ND	5.0		ug/Kg	2	09/22/21	AW	SW8081B
b-BHC	ND	7.6		ug/Kg	2	09/22/21	AW	SW8081B
Chlordane	ND	38		ug/Kg	2	09/22/21	AW	SW8081B
d-BHC	ND	7.6		ug/Kg	2	09/22/21	AW	SW8081B
Dieldrin	ND	3.8		ug/Kg	2	09/22/21	AW	SW8081B
Endosulfan I	ND	7.6		ug/Kg	2	09/22/21	AW	SW8081B
Endosulfan II	ND	7.6		ug/Kg	2	09/22/21	AW	SW8081B
Endosulfan sulfate	ND	7.6		ug/Kg	2	09/22/21	AW	SW8081B
Endrin	ND	7.6		ug/Kg	2	09/22/21	AW	SW8081B
Endrin aldehyde	ND	7.6		ug/Kg	2	09/22/21	AW	SW8081B
Endrin ketone	ND	7.6		ug/Kg	2	09/22/21	AW	SW8081B
g-BHC	ND	5.0		ug/Kg	2	09/22/21	AW	SW8081B
g-Chlordane	ND	3.8		ug/Kg	2	09/22/21	AW	SW8081B
Heptachlor	ND	7.6		ug/Kg	2	09/22/21	AW	SW8081B
Heptachlor epoxide	ND	7.6		ug/Kg	2	09/22/21	AW	SW8081B
Methoxychlor	ND	38		ug/Kg	2	09/22/21	AW	SW8081B
Toxaphene	ND	150		ug/Kg	2	09/22/21	AW	SW8081B

QA/QC Surrogates

% DCBP	59			%	2	09/22/21	AW	30 - 150 %
% DCBP (Confirmation)	67			%	2	09/22/21	AW	30 - 150 %
% TCMX	51			%	2	09/22/21	AW	30 - 150 %
% TCMX (Confirmation)	60			%	2	09/22/21	AW	30 - 150 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Volatiles								
1,1,1,2-Tetrachloroethane	ND	5.8	1.2	ug/Kg	1	09/22/21	JLI	SW8260C
1,1,1-Trichloroethane	ND	5.8	0.58	ug/Kg	1	09/22/21	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	5.8	1.2	ug/Kg	1	09/22/21	JLI	SW8260C
1,1,2-Trichloroethane	ND	5.8	1.2	ug/Kg	1	09/22/21	JLI	SW8260C
1,1-Dichloroethane	ND	5.8	1.2	ug/Kg	1	09/22/21	JLI	SW8260C
1,1-Dichloroethene	ND	5.8	0.58	ug/Kg	1	09/22/21	JLI	SW8260C
1,1-Dichloropropene	ND	5.8	0.58	ug/Kg	1	09/22/21	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	5.8	1.2	ug/Kg	1	09/22/21	JLI	SW8260C
1,2,3-Trichloropropane	ND	5.8	0.58	ug/Kg	1	09/22/21	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	5.8	1.2	ug/Kg	1	09/22/21	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	5.8	0.58	ug/Kg	1	09/22/21	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	5.8	1.2	ug/Kg	1	09/22/21	JLI	SW8260C
1,2-Dibromoethane	ND	5.8	0.58	ug/Kg	1	09/22/21	JLI	SW8260C
1,2-Dichlorobenzene	ND	5.8	0.58	ug/Kg	1	09/22/21	JLI	SW8260C
1,2-Dichloroethane	ND	5.8	0.58	ug/Kg	1	09/22/21	JLI	SW8260C
1,2-Dichloropropane	ND	5.8	1.2	ug/Kg	1	09/22/21	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	5.8	0.58	ug/Kg	1	09/22/21	JLI	SW8260C
1,3-Dichlorobenzene	ND	5.8	0.58	ug/Kg	1	09/22/21	JLI	SW8260C
1,3-Dichloropropane	ND	5.8	1.2	ug/Kg	1	09/22/21	JLI	SW8260C
1,4-Dichlorobenzene	ND	5.8	0.58	ug/Kg	1	09/22/21	JLI	SW8260C
2,2-Dichloropropane	ND	5.8	0.58	ug/Kg	1	09/22/21	JLI	SW8260C
2-Chlorotoluene	ND	5.8	1.2	ug/Kg	1	09/22/21	JLI	SW8260C
2-Hexanone	ND	29	5.8	ug/Kg	1	09/22/21	JLI	SW8260C
2-Isopropyltoluene	ND	5.8	0.58	ug/Kg	1	09/22/21	JLI	SW8260C
4-Chlorotoluene	ND	5.8	0.58	ug/Kg	1	09/22/21	JLI	SW8260C
4-Methyl-2-pentanone	ND	29	5.8	ug/Kg	1	09/22/21	JLI	SW8260C
Acetone	ND	29	5.8	ug/Kg	1	09/22/21	JLI	SW8260C
Acrylonitrile	ND	12	1.2	ug/Kg	1	09/22/21	JLI	SW8260C
Benzene	ND	5.8	0.58	ug/Kg	1	09/22/21	JLI	SW8260C
Bromobenzene	ND	5.8	0.58	ug/Kg	1	09/22/21	JLI	SW8260C
Bromochloromethane	ND	5.8	0.58	ug/Kg	1	09/22/21	JLI	SW8260C
Bromodichloromethane	ND	5.8	1.2	ug/Kg	1	09/22/21	JLI	SW8260C
Bromoform	ND	5.8	1.2	ug/Kg	1	09/22/21	JLI	SW8260C
Bromomethane	ND	5.8	2.3	ug/Kg	1	09/22/21	JLI	SW8260C
Carbon Disulfide	ND	5.8	1.2	ug/Kg	1	09/22/21	JLI	SW8260C
Carbon tetrachloride	ND	5.8	1.2	ug/Kg	1	09/22/21	JLI	SW8260C
Chlorobenzene	ND	5.8	0.58	ug/Kg	1	09/22/21	JLI	SW8260C
Chloroethane	ND	5.8	0.58	ug/Kg	1	09/22/21	JLI	SW8260C
Chloroform	ND	5.8	0.58	ug/Kg	1	09/22/21	JLI	SW8260C
Chloromethane	ND	5.8	1.2	ug/Kg	1	09/22/21	JLI	SW8260C
cis-1,2-Dichloroethene	ND	5.8	0.58	ug/Kg	1	09/22/21	JLI	SW8260C
cis-1,3-Dichloropropene	ND	5.8	0.58	ug/Kg	1	09/22/21	JLI	SW8260C
Dibromochloromethane	ND	5.8	1.2	ug/Kg	1	09/22/21	JLI	SW8260C
Dibromomethane	ND	5.8	1.2	ug/Kg	1	09/22/21	JLI	SW8260C
Dichlorodifluoromethane	ND	5.8	0.58	ug/Kg	1	09/22/21	JLI	SW8260C
Ethylbenzene	ND	5.8	0.58	ug/Kg	1	09/22/21	JLI	SW8260C
Hexachlorobutadiene	ND	5.8	0.58	ug/Kg	1	09/22/21	JLI	SW8260C
Isopropylbenzene	ND	5.8	0.58	ug/Kg	1	09/22/21	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
m&p-Xylene	ND	5.8	1.2	ug/Kg	1	09/22/21	JLI	SW8260C
Methyl Ethyl Ketone	ND	35	5.8	ug/Kg	1	09/22/21	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	12	1.2	ug/Kg	1	09/22/21	JLI	SW8260C
Methylene chloride	ND	5.8	5.8	ug/Kg	1	09/22/21	JLI	SW8260C
Naphthalene	ND	5.8	1.2	ug/Kg	1	09/22/21	JLI	SW8260C
n-Butylbenzene	ND	5.8	0.58	ug/Kg	1	09/22/21	JLI	SW8260C
n-Propylbenzene	ND	5.8	1.2	ug/Kg	1	09/22/21	JLI	SW8260C
o-Xylene	ND	5.8	1.2	ug/Kg	1	09/22/21	JLI	SW8260C
p-Isopropyltoluene	ND	5.8	0.58	ug/Kg	1	09/22/21	JLI	SW8260C
sec-Butylbenzene	ND	5.8	0.58	ug/Kg	1	09/22/21	JLI	SW8260C
Styrene	ND	5.8	0.58	ug/Kg	1	09/22/21	JLI	SW8260C
tert-Butylbenzene	ND	5.8	0.58	ug/Kg	1	09/22/21	JLI	SW8260C
Tetrachloroethene	ND	5.8	1.2	ug/Kg	1	09/22/21	JLI	SW8260C
Tetrahydrofuran (THF)	ND	12	2.9	ug/Kg	1	09/22/21	JLI	SW8260C
Toluene	ND	5.8	0.58	ug/Kg	1	09/22/21	JLI	SW8260C
trans-1,2-Dichloroethene	ND	5.8	0.58	ug/Kg	1	09/22/21	JLI	SW8260C
trans-1,3-Dichloropropene	ND	5.8	0.58	ug/Kg	1	09/22/21	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	12	2.9	ug/Kg	1	09/22/21	JLI	SW8260C
Trichloroethene	ND	5.8	0.58	ug/Kg	1	09/22/21	JLI	SW8260C
Trichlorofluoromethane	ND	5.8	1.2	ug/Kg	1	09/22/21	JLI	SW8260C
Trichlorotrifluoroethane	ND	5.8	0.58	ug/Kg	1	09/22/21	JLI	SW8260C
Vinyl chloride	ND	5.8	0.58	ug/Kg	1	09/22/21	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	100			%	1	09/22/21	JLI	70 - 130 %
% Bromofluorobenzene	94			%	1	09/22/21	JLI	70 - 130 %
% Dibromofluoromethane	95			%	1	09/22/21	JLI	70 - 130 %
% Toluene-d8	98			%	1	09/22/21	JLI	70 - 130 %
<u>1,4-dioxane</u>								
1,4-dioxane	ND	87		ug/kg	1	09/22/21	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	100			%	1	09/22/21	JLI	70 - 130 %
% Bromofluorobenzene	94			%	1	09/22/21	JLI	70 - 130 %
% Dibromofluoromethane	95			%	1	09/22/21	JLI	70 - 130 %
% Toluene-d8	98			%	1	09/22/21	JLI	70 - 130 %
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	23		ug/Kg	1	09/22/21	JLI	SW8260C
Acrolein	ND	5.8		ug/Kg	1	09/22/21	JLI	SW8260C
Acrylonitrile	ND	23		ug/Kg	1	09/22/21	JLI	SW8260C
Tert-butyl alcohol	ND	120		ug/Kg	1	09/22/21	JLI	SW8260C
<u>Semivolatiles</u>								
1,2,4,5-Tetrachlorobenzene	ND	260	130	ug/Kg	1	09/22/21	WB	SW8270D
1,2,4-Trichlorobenzene	ND	260	110	ug/Kg	1	09/22/21	WB	SW8270D
1,2-Dichlorobenzene	ND	260	110	ug/Kg	1	09/22/21	WB	SW8270D
1,2-Diphenylhydrazine	ND	260	120	ug/Kg	1	09/22/21	WB	SW8270D
1,3-Dichlorobenzene	ND	260	110	ug/Kg	1	09/22/21	WB	SW8270D
1,4-Dichlorobenzene	ND	260	110	ug/Kg	1	09/22/21	WB	SW8270D
2,4,5-Trichlorophenol	ND	260	210	ug/Kg	1	09/22/21	WB	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
2,4,6-Trichlorophenol	ND	190	120	ug/Kg	1	09/22/21	WB	SW8270D
2,4-Dichlorophenol	ND	190	130	ug/Kg	1	09/22/21	WB	SW8270D
2,4-Dimethylphenol	ND	260	93	ug/Kg	1	09/22/21	WB	SW8270D
2,4-Dinitrophenol	ND	260	260	ug/Kg	1	09/22/21	WB	SW8270D
2,4-Dinitrotoluene	ND	190	150	ug/Kg	1	09/22/21	WB	SW8270D
2,6-Dinitrotoluene	ND	190	120	ug/Kg	1	09/22/21	WB	SW8270D
2-Chloronaphthalene	ND	260	110	ug/Kg	1	09/22/21	WB	SW8270D
2-Chlorophenol	ND	260	110	ug/Kg	1	09/22/21	WB	SW8270D
2-Methylnaphthalene	290	260	110	ug/Kg	1	09/22/21	WB	SW8270D
2-Methylphenol (o-cresol)	ND	260	180	ug/Kg	1	09/22/21	WB	SW8270D
2-Nitroaniline	ND	260	260	ug/Kg	1	09/22/21	WB	SW8270D
2-Nitrophenol	ND	260	240	ug/Kg	1	09/22/21	WB	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	260	150	ug/Kg	1	09/22/21	WB	SW8270D
3,3'-Dichlorobenzidine	ND	190	180	ug/Kg	1	09/22/21	WB	SW8270D
3-Nitroaniline	ND	380	750	ug/Kg	1	09/22/21	WB	SW8270D
4,6-Dinitro-2-methylphenol	ND	230	75	ug/Kg	1	09/22/21	WB	SW8270D
4-Bromophenyl phenyl ether	ND	260	110	ug/Kg	1	09/22/21	WB	SW8270D
4-Chloro-3-methylphenol	ND	260	130	ug/Kg	1	09/22/21	WB	SW8270D
4-Chloroaniline	ND	300	170	ug/Kg	1	09/22/21	WB	SW8270D
4-Chlorophenyl phenyl ether	ND	260	130	ug/Kg	1	09/22/21	WB	SW8270D
4-Nitroaniline	ND	380	130	ug/Kg	1	09/22/21	WB	SW8270D
4-Nitrophenol	ND	380	170	ug/Kg	1	09/22/21	WB	SW8270D
Acenaphthene	750	260	110	ug/Kg	1	09/22/21	WB	SW8270D
Acenaphthylene	320	260	110	ug/Kg	1	09/22/21	WB	SW8270D
Acetophenone	ND	260	120	ug/Kg	1	09/22/21	WB	SW8270D
Aniline	ND	300	300	ug/Kg	1	09/22/21	WB	SW8270D
Anthracene	1400	260	120	ug/Kg	1	09/22/21	WB	SW8270D
Benz(a)anthracene	3000	260	130	ug/Kg	1	09/22/21	WB	SW8270D
Benzidine	ND	380	220	ug/Kg	1	09/22/21	WB	SW8270D
Benzo(a)pyrene	2900	190	120	ug/Kg	1	09/22/21	WB	SW8270D
Benzo(b)fluoranthene	2400	260	130	ug/Kg	1	09/22/21	WB	SW8270D
Benzo(ghi)perylene	1600	260	120	ug/Kg	1	09/22/21	WB	SW8270D
Benzo(k)fluoranthene	2300	260	120	ug/Kg	1	09/22/21	WB	SW8270D
Benzoic acid	ND	1900	750	ug/Kg	1	09/22/21	WB	SW8270D
Benzyl butyl phthalate	ND	260	97	ug/Kg	1	09/22/21	WB	SW8270D
Bis(2-chloroethoxy)methane	ND	260	100	ug/Kg	1	09/22/21	WB	SW8270D
Bis(2-chloroethyl)ether	ND	190	100	ug/Kg	1	09/22/21	WB	SW8270D
Bis(2-chloroisopropyl)ether	ND	260	100	ug/Kg	1	09/22/21	WB	SW8270D
Bis(2-ethylhexyl)phthalate	ND	260	110	ug/Kg	1	09/22/21	WB	SW8270D
Carbazole	480	190	150	ug/Kg	1	09/22/21	WB	SW8270D
Chrysene	3000	260	130	ug/Kg	1	09/22/21	WB	SW8270D
Dibenz(a,h)anthracene	380	190	120	ug/Kg	1	09/22/21	WB	SW8270D
Dibenzofuran	440	260	110	ug/Kg	1	09/22/21	WB	SW8270D
Diethyl phthalate	ND	260	120	ug/Kg	1	09/22/21	WB	SW8270D
Dimethylphthalate	ND	260	120	ug/Kg	1	09/22/21	WB	SW8270D
Di-n-butylphthalate	ND	260	100	ug/Kg	1	09/22/21	WB	SW8270D
Di-n-octylphthalate	ND	260	97	ug/Kg	1	09/22/21	WB	SW8270D
Fluoranthene	7200	260	120	ug/Kg	1	09/22/21	WB	SW8270D
Fluorene	680	260	120	ug/Kg	1	09/22/21	WB	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Hexachlorobenzene	ND	190	110	ug/Kg	1	09/22/21	WB	SW8270D
Hexachlorobutadiene	ND	260	140	ug/Kg	1	09/22/21	WB	SW8270D
Hexachlorocyclopentadiene	ND	260	110	ug/Kg	1	09/22/21	WB	SW8270D
Hexachloroethane	ND	190	110	ug/Kg	1	09/22/21	WB	SW8270D
Indeno(1,2,3-cd)pyrene	1700	260	120	ug/Kg	1	09/22/21	WB	SW8270D
Isophorone	ND	190	110	ug/Kg	1	09/22/21	WB	SW8270D
Naphthalene	570	260	110	ug/Kg	1	09/22/21	WB	SW8270D
Nitrobenzene	ND	190	130	ug/Kg	1	09/22/21	WB	SW8270D
N-Nitrosodimethylamine	ND	260	110	ug/Kg	1	09/22/21	WB	SW8270D
N-Nitrosodi-n-propylamine	ND	190	120	ug/Kg	1	09/22/21	WB	SW8270D
N-Nitrosodiphenylamine	ND	260	140	ug/Kg	1	09/22/21	WB	SW8270D
Pentachloronitrobenzene	ND	260	140	ug/Kg	1	09/22/21	WB	SW8270D
Pentachlorophenol	ND	230	140	ug/Kg	1	09/22/21	WB	SW8270D
Phenanthrene	9300	2600	1100	ug/Kg	10	09/22/21	WB	SW8270D
Phenol	ND	260	120	ug/Kg	1	09/22/21	WB	SW8270D
Pyrene	6700	260	130	ug/Kg	1	09/22/21	WB	SW8270D
Pyridine	ND	260	92	ug/Kg	1	09/22/21	WB	SW8270D
<u>QA/QC Surrogates</u>								
% 2,4,6-Tribromophenol	129			%	1	09/22/21	WB	30 - 130 %
% 2-Fluorobiphenyl	87			%	1	09/22/21	WB	30 - 130 %
% 2-Fluorophenol	56			%	1	09/22/21	WB	30 - 130 %
% Nitrobenzene-d5	87			%	1	09/22/21	WB	30 - 130 %
% Phenol-d5	77			%	1	09/22/21	WB	30 - 130 %
% Terphenyl-d14	74			%	1	09/22/21	WB	30 - 130 %
% 2,4,6-Tribromophenol (10x)	Diluted Out			%	10	09/22/21	WB	30 - 130 %
% 2-Fluorobiphenyl (10x)	Diluted Out			%	10	09/22/21	WB	30 - 130 %
% 2-Fluorophenol (10x)	Diluted Out			%	10	09/22/21	WB	30 - 130 %
% Nitrobenzene-d5 (10x)	Diluted Out			%	10	09/22/21	WB	30 - 130 %
% Phenol-d5 (10x)	Diluted Out			%	10	09/22/21	WB	30 - 130 %
% Terphenyl-d14 (10x)	Diluted Out			%	10	09/22/21	WB	30 - 130 %

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

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 (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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

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

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

If 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

September 28, 2021

Reviewed and Released by: Ethan Lee, Project Manager



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



Analysis Report

September 28, 2021

FOR: Attn: Mr Kevin Brussee
 Brussee Environmental Corp
 14 Evans Lane
 Miller Place, NY 11764

Sample Information

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

Custody Information

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

Date

09/20/21
 09/21/21

Time

9:10
 15:23

Laboratory Data

SDG ID: GCJ33255
 Phoenix ID: CJ33259

Project ID: 188 E 135TH ST BRONX NY
 Client ID: 20B3 (0-2)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	3.70	0.40		mg/Kg	1	09/22/21	TH	SW6010D
Aluminum	9050	40		mg/Kg	10	09/22/21	EK	SW6010D
Arsenic	23.6	0.80		mg/Kg	1	09/22/21	EK	SW6010D
Barium	2250	8.0		mg/Kg	10	09/22/21	EK	SW6010D
Beryllium	< 0.32	0.32		mg/Kg	1	09/22/21	TH	SW6010D
Calcium	32200	40		mg/Kg	10	09/22/21	EK	SW6010D
Cadmium	571	4.0		mg/Kg	10	09/22/21	EK	SW6010D
Cobalt	31.3	0.40		mg/Kg	1	09/22/21	EK	SW6010D
Chromium	121	0.40		mg/Kg	1	09/22/21	EK	SW6010D
Copper	1440	8.0		mg/kg	10	09/22/21	EK	SW6010D
Iron	145000	400		mg/Kg	100	09/23/21	TH	SW6010D
Mercury	7.10	1.5		mg/Kg	100	09/22/21	AP	SW7471B
Potassium	2130	8		mg/Kg	1	09/22/21	EK	SW6010D
Magnesium	4270	4.0		mg/Kg	1	09/22/21	EK	SW6010D
Manganese	954	4.0		mg/Kg	10	09/22/21	EK	SW6010D
Sodium	3620	8		mg/Kg	1	09/22/21	EK	SW6010D
Nickel	192	0.40		mg/Kg	1	09/22/21	EK	SW6010D
Lead	6530	8.0		mg/Kg	10	09/22/21	EK	SW6010D
Antimony	96.4	4.0		mg/Kg	1	09/22/21	TH	SW6010D
Selenium	< 1.6	1.6		mg/Kg	1	09/22/21	EK	SW6010D
Thallium	< 1.6	1.6		mg/Kg	1	09/22/21	EK	SW6010D
Vanadium	633	4.0		mg/Kg	10	09/22/21	EK	SW6010D
Zinc	9130	80		mg/Kg	100	09/23/21	TH	SW6010D
Percent Solid	84			%		09/21/21	Q	SW846-%Solid
Soil Extraction for PCB	Completed					09/21/21	B/E	SW3545A
Soil Extraction for Pesticides	Completed					09/21/21	B/E	SW3545A
Field Extraction	Completed					09/20/21		SW5035A

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Mercury Digestion	Completed					09/22/21	AB/AB	SW7471B
Soil Extraction for SVOA	Completed					09/21/21	R/K	SW3546
Total Metals Digest	Completed					09/21/21	M/AG	SW3050B

Polychlorinated Biphenyls

PCB-1016	ND	390	390	ug/Kg	10	09/23/21	SC	SW8082A
PCB-1221	ND	390	390	ug/Kg	10	09/23/21	SC	SW8082A
PCB-1232	ND	390	390	ug/Kg	10	09/23/21	SC	SW8082A
PCB-1242	ND	390	390	ug/Kg	10	09/23/21	SC	SW8082A
PCB-1248	ND	390	390	ug/Kg	10	09/23/21	SC	SW8082A
PCB-1254	4700	390	390	ug/Kg	10	09/23/21	SC	SW8082A
PCB-1260	ND	390	390	ug/Kg	10	09/23/21	SC	SW8082A
PCB-1262	ND	390	390	ug/Kg	10	09/23/21	SC	SW8082A
PCB-1268	ND	390	390	ug/Kg	10	09/23/21	SC	SW8082A

QA/QC Surrogates

% DCBP	58			%	10	09/23/21	SC	30 - 150 %
% DCBP (Confirmation)	66			%	10	09/23/21	SC	30 - 150 %
% TCMX	69			%	10	09/23/21	SC	30 - 150 %
% TCMX (Confirmation)	80			%	10	09/23/21	SC	30 - 150 %

Pesticides - Soil

4,4' -DDD	ND	90		ug/Kg	10	09/22/21	AW	SW8081B
4,4' -DDE	ND	160		ug/Kg	10	09/22/21	AW	SW8081B
4,4' -DDT	ND	400		ug/Kg	10	09/22/21	AW	SW8081B
a-BHC	ND	39		ug/Kg	10	09/22/21	AW	SW8081B
a-Chlordane	ND	25		ug/Kg	10	09/22/21	AW	SW8081B
Aldrin	ND	19		ug/Kg	10	09/22/21	AW	SW8081B
b-BHC	ND	39		ug/Kg	10	09/22/21	AW	SW8081B
Chlordane	ND	190		ug/Kg	10	09/22/21	AW	SW8081B
d-BHC	ND	39		ug/Kg	10	09/22/21	AW	SW8081B
Dieldrin	ND	19		ug/Kg	10	09/22/21	AW	SW8081B
Endosulfan I	ND	39		ug/Kg	10	09/22/21	AW	SW8081B
Endosulfan II	ND	39		ug/Kg	10	09/22/21	AW	SW8081B
Endosulfan sulfate	ND	39		ug/Kg	10	09/22/21	AW	SW8081B
Endrin	ND	39		ug/Kg	10	09/22/21	AW	SW8081B
Endrin aldehyde	ND	50		ug/Kg	10	09/22/21	AW	SW8081B
Endrin ketone	ND	39		ug/Kg	10	09/22/21	AW	SW8081B
g-BHC	ND	7.8		ug/Kg	10	09/22/21	AW	SW8081B
g-Chlordane	ND	19		ug/Kg	10	09/22/21	AW	SW8081B
Heptachlor	ND	39		ug/Kg	10	09/22/21	AW	SW8081B
Heptachlor epoxide	ND	39		ug/Kg	10	09/22/21	AW	SW8081B
Methoxychlor	ND	190		ug/Kg	10	09/22/21	AW	SW8081B
Toxaphene	ND	780		ug/Kg	10	09/22/21	AW	SW8081B

QA/QC Surrogates

% DCBP	40			%	10	09/22/21	AW	30 - 150 %
% DCBP (Confirmation)	56			%	10	09/22/21	AW	30 - 150 %
% TCMX	59			%	10	09/22/21	AW	30 - 150 %
% TCMX (Confirmation)	54			%	10	09/22/21	AW	30 - 150 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Volatiles								
1,1,1,2-Tetrachloroethane	ND	6.9	1.4	ug/Kg	1	09/22/21	JLI	SW8260C
1,1,1-Trichloroethane	ND	6.9	0.69	ug/Kg	1	09/22/21	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	6.9	1.4	ug/Kg	1	09/22/21	JLI	SW8260C
1,1,2-Trichloroethane	ND	6.9	1.4	ug/Kg	1	09/22/21	JLI	SW8260C
1,1-Dichloroethane	ND	6.9	1.4	ug/Kg	1	09/22/21	JLI	SW8260C
1,1-Dichloroethene	ND	6.9	0.69	ug/Kg	1	09/22/21	JLI	SW8260C
1,1-Dichloropropene	ND	6.9	0.69	ug/Kg	1	09/22/21	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	6.9	1.4	ug/Kg	1	09/22/21	JLI	SW8260C
1,2,3-Trichloropropane	ND	6.9	0.69	ug/Kg	1	09/22/21	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	6.9	1.4	ug/Kg	1	09/22/21	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	6.9	0.69	ug/Kg	1	09/22/21	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	6.9	1.4	ug/Kg	1	09/22/21	JLI	SW8260C
1,2-Dibromoethane	ND	6.9	0.69	ug/Kg	1	09/22/21	JLI	SW8260C
1,2-Dichlorobenzene	ND	6.9	0.69	ug/Kg	1	09/22/21	JLI	SW8260C
1,2-Dichloroethane	ND	6.9	0.69	ug/Kg	1	09/22/21	JLI	SW8260C
1,2-Dichloropropane	ND	6.9	1.4	ug/Kg	1	09/22/21	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	6.9	0.69	ug/Kg	1	09/22/21	JLI	SW8260C
1,3-Dichlorobenzene	ND	6.9	0.69	ug/Kg	1	09/22/21	JLI	SW8260C
1,3-Dichloropropane	ND	6.9	1.4	ug/Kg	1	09/22/21	JLI	SW8260C
1,4-Dichlorobenzene	ND	6.9	0.69	ug/Kg	1	09/22/21	JLI	SW8260C
2,2-Dichloropropane	ND	6.9	0.69	ug/Kg	1	09/22/21	JLI	SW8260C
2-Chlorotoluene	ND	6.9	1.4	ug/Kg	1	09/22/21	JLI	SW8260C
2-Hexanone	ND	35	6.9	ug/Kg	1	09/22/21	JLI	SW8260C
2-Isopropyltoluene	ND	6.9	0.69	ug/Kg	1	09/22/21	JLI	SW8260C
4-Chlorotoluene	ND	6.9	0.69	ug/Kg	1	09/22/21	JLI	SW8260C
4-Methyl-2-pentanone	ND	35	6.9	ug/Kg	1	09/22/21	JLI	SW8260C
Acetone	ND	35	6.9	ug/Kg	1	09/22/21	JLI	SW8260C
Acrylonitrile	ND	14	1.4	ug/Kg	1	09/22/21	JLI	SW8260C
Benzene	ND	6.9	0.69	ug/Kg	1	09/22/21	JLI	SW8260C
Bromobenzene	ND	6.9	0.69	ug/Kg	1	09/22/21	JLI	SW8260C
Bromochloromethane	ND	6.9	0.69	ug/Kg	1	09/22/21	JLI	SW8260C
Bromodichloromethane	ND	6.9	1.4	ug/Kg	1	09/22/21	JLI	SW8260C
Bromoform	ND	6.9	1.4	ug/Kg	1	09/22/21	JLI	SW8260C
Bromomethane	ND	6.9	2.8	ug/Kg	1	09/22/21	JLI	SW8260C
Carbon Disulfide	ND	6.9	1.4	ug/Kg	1	09/22/21	JLI	SW8260C
Carbon tetrachloride	ND	6.9	1.4	ug/Kg	1	09/22/21	JLI	SW8260C
Chlorobenzene	ND	6.9	0.69	ug/Kg	1	09/22/21	JLI	SW8260C
Chloroethane	ND	6.9	0.69	ug/Kg	1	09/22/21	JLI	SW8260C
Chloroform	ND	6.9	0.69	ug/Kg	1	09/22/21	JLI	SW8260C
Chloromethane	ND	6.9	1.4	ug/Kg	1	09/22/21	JLI	SW8260C
cis-1,2-Dichloroethene	ND	6.9	0.69	ug/Kg	1	09/22/21	JLI	SW8260C
cis-1,3-Dichloropropene	ND	6.9	0.69	ug/Kg	1	09/22/21	JLI	SW8260C
Dibromochloromethane	ND	6.9	1.4	ug/Kg	1	09/22/21	JLI	SW8260C
Dibromomethane	ND	6.9	1.4	ug/Kg	1	09/22/21	JLI	SW8260C
Dichlorodifluoromethane	ND	6.9	0.69	ug/Kg	1	09/22/21	JLI	SW8260C
Ethylbenzene	ND	6.9	0.69	ug/Kg	1	09/22/21	JLI	SW8260C
Hexachlorobutadiene	ND	6.9	0.69	ug/Kg	1	09/22/21	JLI	SW8260C
Isopropylbenzene	ND	6.9	0.69	ug/Kg	1	09/22/21	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
m&p-Xylene	ND	6.9	1.4	ug/Kg	1	09/22/21	JLI	SW8260C
Methyl Ethyl Ketone	ND	41	6.9	ug/Kg	1	09/22/21	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	14	1.4	ug/Kg	1	09/22/21	JLI	SW8260C
Methylene chloride	ND	6.9	6.9	ug/Kg	1	09/22/21	JLI	SW8260C
Naphthalene	ND	6.9	1.4	ug/Kg	1	09/22/21	JLI	SW8260C
n-Butylbenzene	ND	6.9	0.69	ug/Kg	1	09/22/21	JLI	SW8260C
n-Propylbenzene	ND	6.9	1.4	ug/Kg	1	09/22/21	JLI	SW8260C
o-Xylene	ND	6.9	1.4	ug/Kg	1	09/22/21	JLI	SW8260C
p-Isopropyltoluene	ND	6.9	0.69	ug/Kg	1	09/22/21	JLI	SW8260C
sec-Butylbenzene	ND	6.9	0.69	ug/Kg	1	09/22/21	JLI	SW8260C
Styrene	ND	6.9	0.69	ug/Kg	1	09/22/21	JLI	SW8260C
tert-Butylbenzene	ND	6.9	0.69	ug/Kg	1	09/22/21	JLI	SW8260C
Tetrachloroethene	ND	6.9	1.4	ug/Kg	1	09/22/21	JLI	SW8260C
Tetrahydrofuran (THF)	ND	14	3.5	ug/Kg	1	09/22/21	JLI	SW8260C
Toluene	ND	6.9	0.69	ug/Kg	1	09/22/21	JLI	SW8260C
trans-1,2-Dichloroethene	ND	6.9	0.69	ug/Kg	1	09/22/21	JLI	SW8260C
trans-1,3-Dichloropropene	ND	6.9	0.69	ug/Kg	1	09/22/21	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	14	3.5	ug/Kg	1	09/22/21	JLI	SW8260C
Trichloroethene	ND	6.9	0.69	ug/Kg	1	09/22/21	JLI	SW8260C
Trichlorofluoromethane	ND	6.9	1.4	ug/Kg	1	09/22/21	JLI	SW8260C
Trichlorotrifluoroethane	ND	6.9	0.69	ug/Kg	1	09/22/21	JLI	SW8260C
Vinyl chloride	ND	6.9	0.69	ug/Kg	1	09/22/21	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	98			%	1	09/22/21	JLI	70 - 130 %
% Bromofluorobenzene	93			%	1	09/22/21	JLI	70 - 130 %
% Dibromofluoromethane	95			%	1	09/22/21	JLI	70 - 130 %
% Toluene-d8	98			%	1	09/22/21	JLI	70 - 130 %
<u>1,4-dioxane</u>								
1,4-dioxane	ND	100		ug/kg	1	09/22/21	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	98			%	1	09/22/21	JLI	70 - 130 %
% Bromofluorobenzene	93			%	1	09/22/21	JLI	70 - 130 %
% Dibromofluoromethane	95			%	1	09/22/21	JLI	70 - 130 %
% Toluene-d8	98			%	1	09/22/21	JLI	70 - 130 %
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	28		ug/Kg	1	09/22/21	JLI	SW8260C
Acrolein	ND	6.9		ug/Kg	1	09/22/21	JLI	SW8260C
Acrylonitrile	ND	28		ug/Kg	1	09/22/21	JLI	SW8260C
Tert-butyl alcohol	ND	140		ug/Kg	1	09/22/21	JLI	SW8260C
<u>Semivolatiles</u>								
1,2,4,5-Tetrachlorobenzene	ND	270	140	ug/Kg	1	09/22/21	WB	SW8270D
1,2,4-Trichlorobenzene	ND	270	120	ug/Kg	1	09/22/21	WB	SW8270D
1,2-Dichlorobenzene	660	270	110	ug/Kg	1	09/22/21	WB	SW8270D
1,2-Diphenylhydrazine	ND	270	130	ug/Kg	1	09/22/21	WB	SW8270D
1,3-Dichlorobenzene	ND	270	110	ug/Kg	1	09/22/21	WB	SW8270D
1,4-Dichlorobenzene	ND	270	110	ug/Kg	1	09/22/21	WB	SW8270D
2,4,5-Trichlorophenol	ND	270	210	ug/Kg	1	09/22/21	WB	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
2,4,6-Trichlorophenol	ND	190	120	ug/Kg	1	09/22/21	WB	SW8270D
2,4-Dichlorophenol	ND	190	140	ug/Kg	1	09/22/21	WB	SW8270D
2,4-Dimethylphenol	ND	270	96	ug/Kg	1	09/22/21	WB	SW8270D
2,4-Dinitrophenol	ND	270	270	ug/Kg	1	09/22/21	WB	SW8270D
2,4-Dinitrotoluene	ND	190	150	ug/Kg	1	09/22/21	WB	SW8270D
2,6-Dinitrotoluene	ND	190	120	ug/Kg	1	09/22/21	WB	SW8270D
2-Chloronaphthalene	ND	270	110	ug/Kg	1	09/22/21	WB	SW8270D
2-Chlorophenol	ND	270	110	ug/Kg	1	09/22/21	WB	SW8270D
2-Methylnaphthalene	380	270	120	ug/Kg	1	09/22/21	WB	SW8270D
2-Methylphenol (o-cresol)	ND	270	180	ug/Kg	1	09/22/21	WB	SW8270D
2-Nitroaniline	ND	270	270	ug/Kg	1	09/22/21	WB	SW8270D
2-Nitrophenol	ND	270	250	ug/Kg	1	09/22/21	WB	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	270	150	ug/Kg	1	09/22/21	WB	SW8270D
3,3'-Dichlorobenzidine	ND	190	180	ug/Kg	1	09/22/21	WB	SW8270D
3-Nitroaniline	ND	390	770	ug/Kg	1	09/22/21	WB	SW8270D
4,6-Dinitro-2-methylphenol	ND	230	77	ug/Kg	1	09/22/21	WB	SW8270D
4-Bromophenyl phenyl ether	ND	270	110	ug/Kg	1	09/22/21	WB	SW8270D
4-Chloro-3-methylphenol	ND	270	140	ug/Kg	1	09/22/21	WB	SW8270D
4-Chloroaniline	ND	310	180	ug/Kg	1	09/22/21	WB	SW8270D
4-Chlorophenyl phenyl ether	ND	270	130	ug/Kg	1	09/22/21	WB	SW8270D
4-Nitroaniline	ND	390	130	ug/Kg	1	09/22/21	WB	SW8270D
4-Nitrophenol	ND	390	180	ug/Kg	1	09/22/21	WB	SW8270D
Acenaphthene	130	J 270	120	ug/Kg	1	09/22/21	WB	SW8270D
Acenaphthylene	1300	270	110	ug/Kg	1	09/22/21	WB	SW8270D
Acetophenone	ND	270	120	ug/Kg	1	09/22/21	WB	SW8270D
Aniline	ND	310	310	ug/Kg	1	09/22/21	WB	SW8270D
Anthracene	840	270	130	ug/Kg	1	09/22/21	WB	SW8270D
Benz(a)anthracene	3400	270	130	ug/Kg	1	09/22/21	WB	SW8270D
Benzidine	ND	390	230	ug/Kg	1	09/22/21	WB	SW8270D
Benzo(a)pyrene	3800	190	130	ug/Kg	1	09/22/21	WB	SW8270D
Benzo(b)fluoranthene	4000	270	130	ug/Kg	1	09/22/21	WB	SW8270D
Benzo(ghi)perylene	2700	270	130	ug/Kg	1	09/22/21	WB	SW8270D
Benzo(k)fluoranthene	3300	270	130	ug/Kg	1	09/22/21	WB	SW8270D
Benzoic acid	ND	1900	770	ug/Kg	1	09/22/21	WB	SW8270D
Benzyl butyl phthalate	ND	270	100	ug/Kg	1	09/22/21	WB	SW8270D
Bis(2-chloroethoxy)methane	ND	270	110	ug/Kg	1	09/22/21	WB	SW8270D
Bis(2-chloroethyl)ether	ND	190	100	ug/Kg	1	09/22/21	WB	SW8270D
Bis(2-chloroisopropyl)ether	ND	270	110	ug/Kg	1	09/22/21	WB	SW8270D
Bis(2-ethylhexyl)phthalate	220	J 270	110	ug/Kg	1	09/22/21	WB	SW8270D
Carbazole	250	190	150	ug/Kg	1	09/22/21	WB	SW8270D
Chrysene	3600	270	130	ug/Kg	1	09/22/21	WB	SW8270D
Dibenz(a,h)anthracene	740	190	130	ug/Kg	1	09/22/21	WB	SW8270D
Dibenzofuran	170	J 270	110	ug/Kg	1	09/22/21	WB	SW8270D
Diethyl phthalate	ND	270	120	ug/Kg	1	09/22/21	WB	SW8270D
Dimethylphthalate	ND	270	120	ug/Kg	1	09/22/21	WB	SW8270D
Di-n-butylphthalate	320	270	100	ug/Kg	1	09/22/21	WB	SW8270D
Di-n-octylphthalate	ND	270	100	ug/Kg	1	09/22/21	WB	SW8270D
Fluoranthene	6400	270	130	ug/Kg	1	09/22/21	WB	SW8270D
Fluorene	230	J 270	130	ug/Kg	1	09/22/21	WB	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Hexachlorobenzene	ND	190	110	ug/Kg	1	09/22/21	WB	SW8270D
Hexachlorobutadiene	ND	270	140	ug/Kg	1	09/22/21	WB	SW8270D
Hexachlorocyclopentadiene	ND	270	120	ug/Kg	1	09/22/21	WB	SW8270D
Hexachloroethane	ND	190	120	ug/Kg	1	09/22/21	WB	SW8270D
Indeno(1,2,3-cd)pyrene	2800	270	130	ug/Kg	1	09/22/21	WB	SW8270D
Isophorone	ND	190	110	ug/Kg	1	09/22/21	WB	SW8270D
Naphthalene	520	270	110	ug/Kg	1	09/22/21	WB	SW8270D
Nitrobenzene	ND	190	140	ug/Kg	1	09/22/21	WB	SW8270D
N-Nitrosodimethylamine	ND	270	110	ug/Kg	1	09/22/21	WB	SW8270D
N-Nitrosodi-n-propylamine	ND	190	130	ug/Kg	1	09/22/21	WB	SW8270D
N-Nitrosodiphenylamine	ND	270	150	ug/Kg	1	09/22/21	WB	SW8270D
Pentachloronitrobenzene	ND	270	140	ug/Kg	1	09/22/21	WB	SW8270D
Pentachlorophenol	ND	230	150	ug/Kg	1	09/22/21	WB	SW8270D
Phenanthrene	3100	270	110	ug/Kg	1	09/22/21	WB	SW8270D
Phenol	ND	270	120	ug/Kg	1	09/22/21	WB	SW8270D
Pyrene	5600	270	130	ug/Kg	1	09/22/21	WB	SW8270D
Pyridine	ND	270	95	ug/Kg	1	09/22/21	WB	SW8270D
<u>QA/QC Surrogates</u>								
% 2,4,6-Tribromophenol	129			%	1	09/22/21	WB	30 - 130 %
% 2-Fluorobiphenyl	82			%	1	09/22/21	WB	30 - 130 %
% 2-Fluorophenol	57			%	1	09/22/21	WB	30 - 130 %
% Nitrobenzene-d5	77			%	1	09/22/21	WB	30 - 130 %
% Phenol-d5	76			%	1	09/22/21	WB	30 - 130 %
% Terphenyl-d14	90			%	1	09/22/21	WB	30 - 130 %

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

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:

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

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

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.

Pesticide Comment:

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

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

If 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

September 28, 2021

Reviewed and Released by: Ethan Lee, Project Manager



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



Analysis Report

September 28, 2021

FOR: Attn: Mr Kevin Brussee
 Brussee Environmental Corp
 14 Evans Lane
 Miller Place, NY 11764

Sample Information

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

Custody Information

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

Date

09/20/21
 09/21/21

Time

9:15
 15:23

Laboratory Data

SDG ID: GCJ33255
 Phoenix ID: CJ33260

Project ID: 188 E 135TH ST BRONX NY
 Client ID: 20B3 (3-5)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.41	0.41		mg/Kg	1	09/22/21	EK	SW6010D
Aluminum	8370	41		mg/Kg	10	09/22/21	EK	SW6010D
Arsenic	22.0	0.82		mg/Kg	1	09/22/21	EK	SW6010D
Barium	343	0.8		mg/Kg	1	09/22/21	EK	SW6010D
Beryllium	0.39	0.33		mg/Kg	1	09/22/21	EK	SW6010D
Calcium	15000	41		mg/Kg	10	09/22/21	EK	SW6010D
Cadmium	2.40	0.41		mg/Kg	1	09/22/21	EK	SW6010D
Cobalt	18.6	0.41		mg/Kg	1	09/22/21	EK	SW6010D
Chromium	33.0	0.41		mg/Kg	1	09/22/21	EK	SW6010D
Copper	159	0.8		mg/kg	1	09/22/21	EK	SW6010D
Iron	97200	41		mg/Kg	10	09/22/21	EK	SW6010D
Mercury	1.19	0.03		mg/Kg	2	09/22/21	AP	SW7471B
Potassium	4350	82		mg/Kg	10	09/22/21	EK	SW6010D
Magnesium	5710	4.1		mg/Kg	1	09/22/21	EK	SW6010D
Manganese	601	4.1		mg/Kg	10	09/22/21	EK	SW6010D
Sodium	252	8		mg/Kg	1	09/22/21	EK	SW6010D
Nickel	28.5	0.41		mg/Kg	1	09/22/21	EK	SW6010D
Lead	895	8.2		mg/Kg	10	09/22/21	EK	SW6010D
Antimony	< 4.1	4.1		mg/Kg	1	09/22/21	EK	SW6010D
Selenium	< 1.6	1.6		mg/Kg	1	09/22/21	EK	SW6010D
Thallium	< 1.6	1.6		mg/Kg	1	09/22/21	EK	SW6010D
Vanadium	46.9	0.41		mg/Kg	1	09/22/21	EK	SW6010D
Zinc	437	8.2		mg/Kg	10	09/22/21	EK	SW6010D
Percent Solid	85			%		09/21/21	Q	SW846-%Solid
Soil Extraction for PCB	Completed					09/21/21	O/B/E	SW3545A
Soil Extraction for Pesticides	Completed					09/21/21	O/B/E	SW3545A
Field Extraction	Completed					09/20/21		SW5035A

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Mercury Digestion	Completed					09/22/21	AB/AB	SW7471B
Soil Extraction for SVOA	Completed					09/21/21	R/K	SW3546
Total Metals Digest	Completed					09/21/21	M/AG/BF	SW3050B

Polychlorinated Biphenyls

PCB-1016	ND	78	78	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1221	ND	78	78	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1232	ND	78	78	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1242	ND	78	78	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1248	ND	78	78	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1254	ND	78	78	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1260	ND	78	78	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1262	ND	78	78	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1268	ND	78	78	ug/Kg	2	09/22/21	SC	SW8082A

QA/QC Surrogates

% DCBP	68			%	2	09/22/21	SC	30 - 150 %
% DCBP (Confirmation)	61			%	2	09/22/21	SC	30 - 150 %
% TCMX	61			%	2	09/22/21	SC	30 - 150 %
% TCMX (Confirmation)	59			%	2	09/22/21	SC	30 - 150 %

Pesticides - Soil

4,4' -DDD	ND	2.3		ug/Kg	2	09/22/21	AW	SW8081B
4,4' -DDE	ND	2.3		ug/Kg	2	09/22/21	AW	SW8081B
4,4' -DDT	ND	2.3		ug/Kg	2	09/22/21	AW	SW8081B
a-BHC	ND	7.8		ug/Kg	2	09/22/21	AW	SW8081B
a-Chlordane	ND	3.9		ug/Kg	2	09/22/21	AW	SW8081B
Aldrin	ND	3.9		ug/Kg	2	09/22/21	AW	SW8081B
b-BHC	ND	7.8		ug/Kg	2	09/22/21	AW	SW8081B
Chlordane	ND	39		ug/Kg	2	09/22/21	AW	SW8081B
d-BHC	ND	7.8		ug/Kg	2	09/22/21	AW	SW8081B
Dieldrin	ND	3.9		ug/Kg	2	09/22/21	AW	SW8081B
Endosulfan I	ND	7.8		ug/Kg	2	09/22/21	AW	SW8081B
Endosulfan II	ND	7.8		ug/Kg	2	09/22/21	AW	SW8081B
Endosulfan sulfate	ND	7.8		ug/Kg	2	09/22/21	AW	SW8081B
Endrin	ND	7.8		ug/Kg	2	09/22/21	AW	SW8081B
Endrin aldehyde	ND	7.8		ug/Kg	2	09/22/21	AW	SW8081B
Endrin ketone	ND	7.8		ug/Kg	2	09/22/21	AW	SW8081B
g-BHC	ND	1.6		ug/Kg	2	09/22/21	AW	SW8081B
g-Chlordane	ND	3.9		ug/Kg	2	09/22/21	AW	SW8081B
Heptachlor	ND	7.8		ug/Kg	2	09/22/21	AW	SW8081B
Heptachlor epoxide	ND	7.8		ug/Kg	2	09/22/21	AW	SW8081B
Methoxychlor	ND	39		ug/Kg	2	09/22/21	AW	SW8081B
Toxaphene	ND	160		ug/Kg	2	09/22/21	AW	SW8081B

QA/QC Surrogates

% DCBP	54			%	2	09/22/21	AW	30 - 150 %
% DCBP (Confirmation)	72			%	2	09/22/21	AW	30 - 150 %
% TCMX	62			%	2	09/22/21	AW	30 - 150 %
% TCMX (Confirmation)	67			%	2	09/22/21	AW	30 - 150 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Volatiles								
1,1,1,2-Tetrachloroethane	ND	5.7	1.1	ug/Kg	1	09/22/21	JLI	SW8260C
1,1,1-Trichloroethane	ND	5.7	0.57	ug/Kg	1	09/22/21	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	5.7	1.1	ug/Kg	1	09/22/21	JLI	SW8260C
1,1,2-Trichloroethane	ND	5.7	1.1	ug/Kg	1	09/22/21	JLI	SW8260C
1,1-Dichloroethane	ND	5.7	1.1	ug/Kg	1	09/22/21	JLI	SW8260C
1,1-Dichloroethene	ND	5.7	0.57	ug/Kg	1	09/22/21	JLI	SW8260C
1,1-Dichloropropene	ND	5.7	0.57	ug/Kg	1	09/22/21	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	5.7	1.1	ug/Kg	1	09/22/21	JLI	SW8260C
1,2,3-Trichloropropane	ND	5.7	0.57	ug/Kg	1	09/22/21	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	5.7	1.1	ug/Kg	1	09/22/21	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	5.7	0.57	ug/Kg	1	09/22/21	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	5.7	1.1	ug/Kg	1	09/22/21	JLI	SW8260C
1,2-Dibromoethane	ND	5.7	0.57	ug/Kg	1	09/22/21	JLI	SW8260C
1,2-Dichlorobenzene	ND	5.7	0.57	ug/Kg	1	09/22/21	JLI	SW8260C
1,2-Dichloroethane	ND	5.7	0.57	ug/Kg	1	09/22/21	JLI	SW8260C
1,2-Dichloropropane	ND	5.7	1.1	ug/Kg	1	09/22/21	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	5.7	0.57	ug/Kg	1	09/22/21	JLI	SW8260C
1,3-Dichlorobenzene	ND	5.7	0.57	ug/Kg	1	09/22/21	JLI	SW8260C
1,3-Dichloropropane	ND	5.7	1.1	ug/Kg	1	09/22/21	JLI	SW8260C
1,4-Dichlorobenzene	ND	5.7	0.57	ug/Kg	1	09/22/21	JLI	SW8260C
2,2-Dichloropropane	ND	5.7	0.57	ug/Kg	1	09/22/21	JLI	SW8260C
2-Chlorotoluene	ND	5.7	1.1	ug/Kg	1	09/22/21	JLI	SW8260C
2-Hexanone	ND	29	5.7	ug/Kg	1	09/22/21	JLI	SW8260C
2-Isopropyltoluene	ND	5.7	0.57	ug/Kg	1	09/22/21	JLI	SW8260C
4-Chlorotoluene	ND	5.7	0.57	ug/Kg	1	09/22/21	JLI	SW8260C
4-Methyl-2-pentanone	ND	29	5.7	ug/Kg	1	09/22/21	JLI	SW8260C
Acetone	ND	29	5.7	ug/Kg	1	09/22/21	JLI	SW8260C
Acrylonitrile	ND	11	1.1	ug/Kg	1	09/22/21	JLI	SW8260C
Benzene	ND	5.7	0.57	ug/Kg	1	09/22/21	JLI	SW8260C
Bromobenzene	ND	5.7	0.57	ug/Kg	1	09/22/21	JLI	SW8260C
Bromochloromethane	ND	5.7	0.57	ug/Kg	1	09/22/21	JLI	SW8260C
Bromodichloromethane	ND	5.7	1.1	ug/Kg	1	09/22/21	JLI	SW8260C
Bromoform	ND	5.7	1.1	ug/Kg	1	09/22/21	JLI	SW8260C
Bromomethane	ND	5.7	2.3	ug/Kg	1	09/22/21	JLI	SW8260C
Carbon Disulfide	ND	5.7	1.1	ug/Kg	1	09/22/21	JLI	SW8260C
Carbon tetrachloride	ND	5.7	1.1	ug/Kg	1	09/22/21	JLI	SW8260C
Chlorobenzene	ND	5.7	0.57	ug/Kg	1	09/22/21	JLI	SW8260C
Chloroethane	ND	5.7	0.57	ug/Kg	1	09/22/21	JLI	SW8260C
Chloroform	ND	5.7	0.57	ug/Kg	1	09/22/21	JLI	SW8260C
Chloromethane	ND	5.7	1.1	ug/Kg	1	09/22/21	JLI	SW8260C
cis-1,2-Dichloroethene	ND	5.7	0.57	ug/Kg	1	09/22/21	JLI	SW8260C
cis-1,3-Dichloropropene	ND	5.7	0.57	ug/Kg	1	09/22/21	JLI	SW8260C
Dibromochloromethane	ND	5.7	1.1	ug/Kg	1	09/22/21	JLI	SW8260C
Dibromomethane	ND	5.7	1.1	ug/Kg	1	09/22/21	JLI	SW8260C
Dichlorodifluoromethane	ND	5.7	0.57	ug/Kg	1	09/22/21	JLI	SW8260C
Ethylbenzene	ND	5.7	0.57	ug/Kg	1	09/22/21	JLI	SW8260C
Hexachlorobutadiene	ND	5.7	0.57	ug/Kg	1	09/22/21	JLI	SW8260C
Isopropylbenzene	ND	5.7	0.57	ug/Kg	1	09/22/21	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
m&p-Xylene	ND	5.7	1.1	ug/Kg	1	09/22/21	JLI	SW8260C
Methyl Ethyl Ketone	ND	34	5.7	ug/Kg	1	09/22/21	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	11	1.1	ug/Kg	1	09/22/21	JLI	SW8260C
Methylene chloride	ND	5.7	5.7	ug/Kg	1	09/22/21	JLI	SW8260C
Naphthalene	ND	5.7	1.1	ug/Kg	1	09/22/21	JLI	SW8260C
n-Butylbenzene	ND	5.7	0.57	ug/Kg	1	09/22/21	JLI	SW8260C
n-Propylbenzene	ND	5.7	1.1	ug/Kg	1	09/22/21	JLI	SW8260C
o-Xylene	ND	5.7	1.1	ug/Kg	1	09/22/21	JLI	SW8260C
p-Isopropyltoluene	ND	5.7	0.57	ug/Kg	1	09/22/21	JLI	SW8260C
sec-Butylbenzene	ND	5.7	0.57	ug/Kg	1	09/22/21	JLI	SW8260C
Styrene	ND	5.7	0.57	ug/Kg	1	09/22/21	JLI	SW8260C
tert-Butylbenzene	ND	5.7	0.57	ug/Kg	1	09/22/21	JLI	SW8260C
Tetrachloroethene	ND	5.7	1.1	ug/Kg	1	09/22/21	JLI	SW8260C
Tetrahydrofuran (THF)	ND	11	2.9	ug/Kg	1	09/22/21	JLI	SW8260C
Toluene	ND	5.7	0.57	ug/Kg	1	09/22/21	JLI	SW8260C
trans-1,2-Dichloroethene	ND	5.7	0.57	ug/Kg	1	09/22/21	JLI	SW8260C
trans-1,3-Dichloropropene	ND	5.7	0.57	ug/Kg	1	09/22/21	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	11	2.9	ug/Kg	1	09/22/21	JLI	SW8260C
Trichloroethene	ND	5.7	0.57	ug/Kg	1	09/22/21	JLI	SW8260C
Trichlorofluoromethane	ND	5.7	1.1	ug/Kg	1	09/22/21	JLI	SW8260C
Trichlorotrifluoroethane	ND	5.7	0.57	ug/Kg	1	09/22/21	JLI	SW8260C
Vinyl chloride	ND	5.7	0.57	ug/Kg	1	09/22/21	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	101			%	1	09/22/21	JLI	70 - 130 %
% Bromofluorobenzene	92			%	1	09/22/21	JLI	70 - 130 %
% Dibromofluoromethane	95			%	1	09/22/21	JLI	70 - 130 %
% Toluene-d8	98			%	1	09/22/21	JLI	70 - 130 %
<u>1,4-dioxane</u>								
1,4-dioxane	ND	86		ug/kg	1	09/22/21	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	101			%	1	09/22/21	JLI	70 - 130 %
% Bromofluorobenzene	92			%	1	09/22/21	JLI	70 - 130 %
% Dibromofluoromethane	95			%	1	09/22/21	JLI	70 - 130 %
% Toluene-d8	98			%	1	09/22/21	JLI	70 - 130 %
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	23		ug/Kg	1	09/22/21	JLI	SW8260C
Acrolein	ND	5.7		ug/Kg	1	09/22/21	JLI	SW8260C
Acrylonitrile	ND	23		ug/Kg	1	09/22/21	JLI	SW8260C
Tert-butyl alcohol	ND	110		ug/Kg	1	09/22/21	JLI	SW8260C
<u>Semivolatiles</u>								
1,2,4,5-Tetrachlorobenzene	ND	270	130	ug/Kg	1	09/22/21	WB	SW8270D
1,2,4-Trichlorobenzene	ND	270	120	ug/Kg	1	09/22/21	WB	SW8270D
1,2-Dichlorobenzene	ND	270	110	ug/Kg	1	09/22/21	WB	SW8270D
1,2-Diphenylhydrazine	ND	270	120	ug/Kg	1	09/22/21	WB	SW8270D
1,3-Dichlorobenzene	ND	270	110	ug/Kg	1	09/22/21	WB	SW8270D
1,4-Dichlorobenzene	ND	270	110	ug/Kg	1	09/22/21	WB	SW8270D
2,4,5-Trichlorophenol	ND	270	210	ug/Kg	1	09/22/21	WB	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
2,4,6-Trichlorophenol	ND	190	120	ug/Kg	1	09/22/21	WB	SW8270D
2,4-Dichlorophenol	ND	190	130	ug/Kg	1	09/22/21	WB	SW8270D
2,4-Dimethylphenol	ND	270	95	ug/Kg	1	09/22/21	WB	SW8270D
2,4-Dinitrophenol	ND	270	270	ug/Kg	1	09/22/21	WB	SW8270D
2,4-Dinitrotoluene	ND	190	150	ug/Kg	1	09/22/21	WB	SW8270D
2,6-Dinitrotoluene	ND	190	120	ug/Kg	1	09/22/21	WB	SW8270D
2-Chloronaphthalene	ND	270	110	ug/Kg	1	09/22/21	WB	SW8270D
2-Chlorophenol	ND	270	110	ug/Kg	1	09/22/21	WB	SW8270D
2-Methylnaphthalene	190	J 270	110	ug/Kg	1	09/22/21	WB	SW8270D
2-Methylphenol (o-cresol)	ND	270	180	ug/Kg	1	09/22/21	WB	SW8270D
2-Nitroaniline	ND	270	270	ug/Kg	1	09/22/21	WB	SW8270D
2-Nitrophenol	ND	270	240	ug/Kg	1	09/22/21	WB	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	270	150	ug/Kg	1	09/22/21	WB	SW8270D
3,3'-Dichlorobenzidine	ND	190	180	ug/Kg	1	09/22/21	WB	SW8270D
3-Nitroaniline	ND	380	770	ug/Kg	1	09/22/21	WB	SW8270D
4,6-Dinitro-2-methylphenol	ND	230	77	ug/Kg	1	09/22/21	WB	SW8270D
4-Bromophenyl phenyl ether	ND	270	110	ug/Kg	1	09/22/21	WB	SW8270D
4-Chloro-3-methylphenol	ND	270	130	ug/Kg	1	09/22/21	WB	SW8270D
4-Chloroaniline	ND	310	180	ug/Kg	1	09/22/21	WB	SW8270D
4-Chlorophenyl phenyl ether	ND	270	130	ug/Kg	1	09/22/21	WB	SW8270D
4-Nitroaniline	ND	380	130	ug/Kg	1	09/22/21	WB	SW8270D
4-Nitrophenol	ND	380	170	ug/Kg	1	09/22/21	WB	SW8270D
Acenaphthene	630	270	120	ug/Kg	1	09/22/21	WB	SW8270D
Acenaphthylene	530	270	110	ug/Kg	1	09/22/21	WB	SW8270D
Acetophenone	ND	270	120	ug/Kg	1	09/22/21	WB	SW8270D
Aniline	ND	310	310	ug/Kg	1	09/22/21	WB	SW8270D
Anthracene	1500	270	130	ug/Kg	1	09/22/21	WB	SW8270D
Benz(a)anthracene	4800	270	130	ug/Kg	1	09/22/21	WB	SW8270D
Benzidine	ND	380	230	ug/Kg	1	09/22/21	WB	SW8270D
Benzo(a)pyrene	4200	190	120	ug/Kg	1	09/22/21	WB	SW8270D
Benzo(b)fluoranthene	3400	270	130	ug/Kg	1	09/22/21	WB	SW8270D
Benzo(ghi)perylene	2800	270	120	ug/Kg	1	09/22/21	WB	SW8270D
Benzo(k)fluoranthene	2800	270	130	ug/Kg	1	09/22/21	WB	SW8270D
Benzoic acid	ND	1900	770	ug/Kg	1	09/22/21	WB	SW8270D
Benzyl butyl phthalate	ND	270	99	ug/Kg	1	09/22/21	WB	SW8270D
Bis(2-chloroethoxy)methane	ND	270	110	ug/Kg	1	09/22/21	WB	SW8270D
Bis(2-chloroethyl)ether	ND	190	100	ug/Kg	1	09/22/21	WB	SW8270D
Bis(2-chloroisopropyl)ether	ND	270	110	ug/Kg	1	09/22/21	WB	SW8270D
Bis(2-ethylhexyl)phthalate	ND	270	110	ug/Kg	1	09/22/21	WB	SW8270D
Carbazole	190	J 190	150	ug/Kg	1	09/22/21	WB	SW8270D
Chrysene	5700	270	130	ug/Kg	1	09/22/21	WB	SW8270D
Dibenz(a,h)anthracene	1000	190	120	ug/Kg	1	09/22/21	WB	SW8270D
Dibenzofuran	140	J 270	110	ug/Kg	1	09/22/21	WB	SW8270D
Diethyl phthalate	ND	270	120	ug/Kg	1	09/22/21	WB	SW8270D
Dimethylphthalate	ND	270	120	ug/Kg	1	09/22/21	WB	SW8270D
Di-n-butylphthalate	ND	270	100	ug/Kg	1	09/22/21	WB	SW8270D
Di-n-octylphthalate	ND	270	99	ug/Kg	1	09/22/21	WB	SW8270D
Fluoranthene	9400	2700	1200	ug/Kg	10	09/22/21	WB	SW8270D
Fluorene	530	270	130	ug/Kg	1	09/22/21	WB	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Hexachlorobenzene	ND	190	110	ug/Kg	1	09/22/21	WB	SW8270D
Hexachlorobutadiene	ND	270	140	ug/Kg	1	09/22/21	WB	SW8270D
Hexachlorocyclopentadiene	ND	270	120	ug/Kg	1	09/22/21	WB	SW8270D
Hexachloroethane	ND	190	110	ug/Kg	1	09/22/21	WB	SW8270D
Indeno(1,2,3-cd)pyrene	2600	270	130	ug/Kg	1	09/22/21	WB	SW8270D
Isophorone	ND	190	110	ug/Kg	1	09/22/21	WB	SW8270D
Naphthalene	180	J 270	110	ug/Kg	1	09/22/21	WB	SW8270D
Nitrobenzene	ND	190	130	ug/Kg	1	09/22/21	WB	SW8270D
N-Nitrosodimethylamine	ND	270	110	ug/Kg	1	09/22/21	WB	SW8270D
N-Nitrosodi-n-propylamine	ND	190	120	ug/Kg	1	09/22/21	WB	SW8270D
N-Nitrosodiphenylamine	ND	270	150	ug/Kg	1	09/22/21	WB	SW8270D
Pentachloronitrobenzene	ND	270	140	ug/Kg	1	09/22/21	WB	SW8270D
Pentachlorophenol	ND	230	140	ug/Kg	1	09/22/21	WB	SW8270D
Phenanthrene	10000	2700	1100	ug/Kg	10	09/22/21	WB	SW8270D
Phenol	ND	270	120	ug/Kg	1	09/22/21	WB	SW8270D
Pyrene	12000	2700	1300	ug/Kg	10	09/22/21	WB	SW8270D
Pyridine	ND	270	94	ug/Kg	1	09/22/21	WB	SW8270D
<u>QA/QC Surrogates</u>								
% 2,4,6-Tribromophenol	111			%	1	09/22/21	WB	30 - 130 %
% 2-Fluorobiphenyl	68			%	1	09/22/21	WB	30 - 130 %
% 2-Fluorophenol	29			%	1	09/22/21	WB	30 - 130 %
% Nitrobenzene-d5	72			%	1	09/22/21	WB	30 - 130 %
% Phenol-d5	58			%	1	09/22/21	WB	30 - 130 %
% Terphenyl-d14	76			%	1	09/22/21	WB	30 - 130 %
% 2,4,6-Tribromophenol (10x)	Diluted Out			%	10	09/22/21	WB	30 - 130 %
% 2-Fluorobiphenyl (10x)	Diluted Out			%	10	09/22/21	WB	30 - 130 %
% 2-Fluorophenol (10x)	Diluted Out			%	10	09/22/21	WB	30 - 130 %
% Nitrobenzene-d5 (10x)	Diluted Out			%	10	09/22/21	WB	30 - 130 %
% Phenol-d5 (10x)	Diluted Out			%	10	09/22/21	WB	30 - 130 %
% Terphenyl-d14 (10x)	Diluted Out			%	10	09/22/21	WB	30 - 130 %

3

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

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.

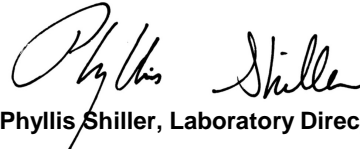
Comments:

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

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

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.

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
September 28, 2021
Reviewed and Released by: Ethan Lee, Project Manager



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



Analysis Report

September 28, 2021

FOR: Attn: Mr Kevin Brussee
 Brussee Environmental Corp
 14 Evans Lane
 Miller Place, NY 11764

Sample Information

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

Custody Information

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

Date

09/20/21
 09/21/21

Time

9:25
 15:23

Laboratory Data

SDG ID: GCJ33255
 Phoenix ID: CJ33261

Project ID: 188 E 135TH ST BRONX NY
 Client ID: 20B4 (0-2)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.33	0.33		mg/Kg	1	09/22/21	EK	SW6010D
Aluminum	10500	33		mg/Kg	10	09/22/21	EK	SW6010D
Arsenic	2.91	0.65		mg/Kg	1	09/22/21	EK	SW6010D
Barium	62.5	0.7		mg/Kg	1	09/22/21	EK	SW6010D
Beryllium	0.53	0.26		mg/Kg	1	09/22/21	EK	SW6010D
Calcium	46200	33		mg/Kg	10	09/22/21	EK	SW6010D
Cadmium	0.34	0.33		mg/Kg	1	09/22/21	EK	SW6010D
Cobalt	8.40	0.33		mg/Kg	1	09/22/21	EK	SW6010D
Chromium	16.4	0.33		mg/Kg	1	09/22/21	EK	SW6010D
Copper	42.0	0.7		mg/kg	1	09/22/21	EK	SW6010D
Iron	17700	33		mg/Kg	10	09/22/21	EK	SW6010D
Mercury	0.44	0.03		mg/Kg	2	09/22/21	AP	SW7471B
Potassium	2330	7		mg/Kg	1	09/22/21	EK	SW6010D
Magnesium	6840	33		mg/Kg	10	09/22/21	EK	SW6010D
Manganese	238	3.3		mg/Kg	10	09/22/21	EK	SW6010D
Sodium	477	7		mg/Kg	1	09/22/21	EK	SW6010D
Nickel	18.5	0.33		mg/Kg	1	09/22/21	EK	SW6010D
Lead	2070	6.5		mg/Kg	10	09/22/21	EK	SW6010D
Antimony	< 3.3	3.3		mg/Kg	1	09/22/21	EK	SW6010D
Selenium	< 1.3	1.3		mg/Kg	1	09/22/21	EK	SW6010D
Thallium	< 1.3	1.3		mg/Kg	1	09/22/21	EK	SW6010D
Vanadium	21.7	0.33		mg/Kg	1	09/22/21	EK	SW6010D
Zinc	74.5	0.7		mg/Kg	1	09/22/21	EK	SW6010D
Percent Solid	91			%		09/21/21	Q	SW846-%Solid
Soil Extraction for PCB	Completed					09/21/21	O/B/E	SW3545A
Soil Extraction for Pesticides	Completed					09/21/21	O/B/E	SW3545A
Field Extraction	Completed					09/20/21		SW5035A

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Mercury Digestion	Completed					09/22/21	AB/AB	SW7471B
Soil Extraction for SVOA	Completed					09/21/21	R/K	SW3546
Total Metals Digest	Completed					09/21/21	M/AG/BF	SW3050B

Polychlorinated Biphenyls

PCB-1016	ND	72	72	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1221	ND	72	72	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1232	ND	72	72	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1242	ND	72	72	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1248	ND	72	72	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1254	ND	72	72	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1260	ND	72	72	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1262	ND	72	72	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1268	ND	72	72	ug/Kg	2	09/22/21	SC	SW8082A

QA/QC Surrogates

% DCBP	68			%	2	09/22/21	SC	30 - 150 %
% DCBP (Confirmation)	68			%	2	09/22/21	SC	30 - 150 %
% TCMX	63			%	2	09/22/21	SC	30 - 150 %
% TCMX (Confirmation)	65			%	2	09/22/21	SC	30 - 150 %

Pesticides - Soil

4,4' -DDD	ND	2.1		ug/Kg	2	09/22/21	AW	SW8081B
4,4' -DDE	ND	2.1		ug/Kg	2	09/22/21	AW	SW8081B
4,4' -DDT	ND	2.1		ug/Kg	2	09/22/21	AW	SW8081B
a-BHC	ND	7.2		ug/Kg	2	09/22/21	AW	SW8081B
a-Chlordane	ND	3.6		ug/Kg	2	09/22/21	AW	SW8081B
Aldrin	ND	3.6		ug/Kg	2	09/22/21	AW	SW8081B
b-BHC	ND	7.2		ug/Kg	2	09/22/21	AW	SW8081B
Chlordane	ND	36		ug/Kg	2	09/22/21	AW	SW8081B
d-BHC	ND	7.2		ug/Kg	2	09/22/21	AW	SW8081B
Dieldrin	ND	3.6		ug/Kg	2	09/22/21	AW	SW8081B
Endosulfan I	ND	7.2		ug/Kg	2	09/22/21	AW	SW8081B
Endosulfan II	ND	7.2		ug/Kg	2	09/22/21	AW	SW8081B
Endosulfan sulfate	ND	7.2		ug/Kg	2	09/22/21	AW	SW8081B
Endrin	ND	7.2		ug/Kg	2	09/22/21	AW	SW8081B
Endrin aldehyde	ND	7.2		ug/Kg	2	09/22/21	AW	SW8081B
Endrin ketone	ND	7.2		ug/Kg	2	09/22/21	AW	SW8081B
g-BHC	ND	1.4		ug/Kg	2	09/22/21	AW	SW8081B
g-Chlordane	ND	3.6		ug/Kg	2	09/22/21	AW	SW8081B
Heptachlor	ND	7.2		ug/Kg	2	09/22/21	AW	SW8081B
Heptachlor epoxide	ND	7.2		ug/Kg	2	09/22/21	AW	SW8081B
Methoxychlor	ND	36		ug/Kg	2	09/22/21	AW	SW8081B
Toxaphene	ND	140		ug/Kg	2	09/22/21	AW	SW8081B

QA/QC Surrogates

% DCBP	60			%	2	09/22/21	AW	30 - 150 %
% DCBP (Confirmation)	62			%	2	09/22/21	AW	30 - 150 %
% TCMX	61			%	2	09/22/21	AW	30 - 150 %
% TCMX (Confirmation)	56			%	2	09/22/21	AW	30 - 150 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	5.2	1.0	ug/Kg	1	09/23/21	JLI	SW8260C
1,1,1-Trichloroethane	ND	5.2	0.52	ug/Kg	1	09/23/21	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	5.2	1.0	ug/Kg	1	09/23/21	JLI	SW8260C
1,1,2-Trichloroethane	ND	5.2	1.0	ug/Kg	1	09/23/21	JLI	SW8260C
1,1-Dichloroethane	ND	5.2	1.0	ug/Kg	1	09/23/21	JLI	SW8260C
1,1-Dichloroethene	ND	5.2	0.52	ug/Kg	1	09/23/21	JLI	SW8260C
1,1-Dichloropropene	ND	5.2	0.52	ug/Kg	1	09/23/21	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	5.2	1.0	ug/Kg	1	09/23/21	JLI	SW8260C
1,2,3-Trichloropropane	ND	5.2	0.52	ug/Kg	1	09/23/21	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	5.2	1.0	ug/Kg	1	09/23/21	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	5.2	0.52	ug/Kg	1	09/23/21	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	5.2	1.0	ug/Kg	1	09/23/21	JLI	SW8260C
1,2-Dibromoethane	ND	5.2	0.52	ug/Kg	1	09/23/21	JLI	SW8260C
1,2-Dichlorobenzene	ND	5.2	0.52	ug/Kg	1	09/23/21	JLI	SW8260C
1,2-Dichloroethane	ND	5.2	0.52	ug/Kg	1	09/23/21	JLI	SW8260C
1,2-Dichloropropane	ND	5.2	1.0	ug/Kg	1	09/23/21	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	5.2	0.52	ug/Kg	1	09/23/21	JLI	SW8260C
1,3-Dichlorobenzene	ND	5.2	0.52	ug/Kg	1	09/23/21	JLI	SW8260C
1,3-Dichloropropane	ND	5.2	1.0	ug/Kg	1	09/23/21	JLI	SW8260C
1,4-Dichlorobenzene	ND	5.2	0.52	ug/Kg	1	09/23/21	JLI	SW8260C
2,2-Dichloropropane	ND	5.2	0.52	ug/Kg	1	09/23/21	JLI	SW8260C
2-Chlorotoluene	ND	5.2	1.0	ug/Kg	1	09/23/21	JLI	SW8260C
2-Hexanone	ND	26	5.2	ug/Kg	1	09/23/21	JLI	SW8260C
2-Isopropyltoluene	ND	5.2	0.52	ug/Kg	1	09/23/21	JLI	SW8260C
4-Chlorotoluene	ND	5.2	0.52	ug/Kg	1	09/23/21	JLI	SW8260C
4-Methyl-2-pentanone	ND	26	5.2	ug/Kg	1	09/23/21	JLI	SW8260C
Acetone	5.3	JS 26	5.2	ug/Kg	1	09/23/21	JLI	SW8260C
Acrylonitrile	ND	10	1.0	ug/Kg	1	09/23/21	JLI	SW8260C
Benzene	ND	5.2	0.52	ug/Kg	1	09/23/21	JLI	SW8260C
Bromobenzene	ND	5.2	0.52	ug/Kg	1	09/23/21	JLI	SW8260C
Bromochloromethane	ND	5.2	0.52	ug/Kg	1	09/23/21	JLI	SW8260C
Bromodichloromethane	ND	5.2	1.0	ug/Kg	1	09/23/21	JLI	SW8260C
Bromoform	ND	5.2	1.0	ug/Kg	1	09/23/21	JLI	SW8260C
Bromomethane	ND	5.2	2.1	ug/Kg	1	09/23/21	JLI	SW8260C
Carbon Disulfide	ND	5.2	1.0	ug/Kg	1	09/23/21	JLI	SW8260C
Carbon tetrachloride	ND	5.2	1.0	ug/Kg	1	09/23/21	JLI	SW8260C
Chlorobenzene	ND	5.2	0.52	ug/Kg	1	09/23/21	JLI	SW8260C
Chloroethane	ND	5.2	0.52	ug/Kg	1	09/23/21	JLI	SW8260C
Chloroform	ND	5.2	0.52	ug/Kg	1	09/23/21	JLI	SW8260C
Chloromethane	ND	5.2	1.0	ug/Kg	1	09/23/21	JLI	SW8260C
cis-1,2-Dichloroethene	ND	5.2	0.52	ug/Kg	1	09/23/21	JLI	SW8260C
cis-1,3-Dichloropropene	ND	5.2	0.52	ug/Kg	1	09/23/21	JLI	SW8260C
Dibromochloromethane	ND	5.2	1.0	ug/Kg	1	09/23/21	JLI	SW8260C
Dibromomethane	ND	5.2	1.0	ug/Kg	1	09/23/21	JLI	SW8260C
Dichlorodifluoromethane	ND	5.2	0.52	ug/Kg	1	09/23/21	JLI	SW8260C
Ethylbenzene	ND	5.2	0.52	ug/Kg	1	09/23/21	JLI	SW8260C
Hexachlorobutadiene	ND	5.2	0.52	ug/Kg	1	09/23/21	JLI	SW8260C
Isopropylbenzene	ND	5.2	0.52	ug/Kg	1	09/23/21	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
m&p-Xylene	ND	5.2	1.0	ug/Kg	1	09/23/21	JLI	SW8260C
Methyl Ethyl Ketone	ND	31	5.2	ug/Kg	1	09/23/21	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	10	1.0	ug/Kg	1	09/23/21	JLI	SW8260C
Methylene chloride	ND	5.2	5.2	ug/Kg	1	09/23/21	JLI	SW8260C
Naphthalene	ND	5.2	1.0	ug/Kg	1	09/23/21	JLI	SW8260C
n-Butylbenzene	ND	5.2	0.52	ug/Kg	1	09/23/21	JLI	SW8260C
n-Propylbenzene	ND	5.2	1.0	ug/Kg	1	09/23/21	JLI	SW8260C
o-Xylene	ND	5.2	1.0	ug/Kg	1	09/23/21	JLI	SW8260C
p-Isopropyltoluene	ND	5.2	0.52	ug/Kg	1	09/23/21	JLI	SW8260C
sec-Butylbenzene	ND	5.2	0.52	ug/Kg	1	09/23/21	JLI	SW8260C
Styrene	ND	5.2	0.52	ug/Kg	1	09/23/21	JLI	SW8260C
tert-Butylbenzene	ND	5.2	0.52	ug/Kg	1	09/23/21	JLI	SW8260C
Tetrachloroethene	ND	5.2	1.0	ug/Kg	1	09/23/21	JLI	SW8260C
Tetrahydrofuran (THF)	ND	10	2.6	ug/Kg	1	09/23/21	JLI	SW8260C
Toluene	ND	5.2	0.52	ug/Kg	1	09/23/21	JLI	SW8260C
trans-1,2-Dichloroethene	ND	5.2	0.52	ug/Kg	1	09/23/21	JLI	SW8260C
trans-1,3-Dichloropropene	ND	5.2	0.52	ug/Kg	1	09/23/21	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	10	2.6	ug/Kg	1	09/23/21	JLI	SW8260C
Trichloroethene	ND	5.2	0.52	ug/Kg	1	09/23/21	JLI	SW8260C
Trichlorofluoromethane	ND	5.2	1.0	ug/Kg	1	09/23/21	JLI	SW8260C
Trichlorotrifluoroethane	ND	5.2	0.52	ug/Kg	1	09/23/21	JLI	SW8260C
Vinyl chloride	ND	5.2	0.52	ug/Kg	1	09/23/21	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	103			%	1	09/23/21	JLI	70 - 130 %
% Bromofluorobenzene	93			%	1	09/23/21	JLI	70 - 130 %
% Dibromofluoromethane	96			%	1	09/23/21	JLI	70 - 130 %
% Toluene-d8	97			%	1	09/23/21	JLI	70 - 130 %
<u>1,4-dioxane</u>								
1,4-dioxane	ND	77		ug/kg	1	09/23/21	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	103			%	1	09/23/21	JLI	70 - 130 %
% Bromofluorobenzene	93			%	1	09/23/21	JLI	70 - 130 %
% Dibromofluoromethane	96			%	1	09/23/21	JLI	70 - 130 %
% Toluene-d8	97			%	1	09/23/21	JLI	70 - 130 %
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	21		ug/Kg	1	09/23/21	JLI	SW8260C
Acrolein	ND	5.2		ug/Kg	1	09/23/21	JLI	SW8260C
Acrylonitrile	ND	21		ug/Kg	1	09/23/21	JLI	SW8260C
Tert-butyl alcohol	ND	100		ug/Kg	1	09/23/21	JLI	SW8260C
<u>Semivolatiles</u>								
1,2,4,5-Tetrachlorobenzene	ND	250	130	ug/Kg	1	09/22/21	WB	SW8270D
1,2,4-Trichlorobenzene	ND	250	110	ug/Kg	1	09/22/21	WB	SW8270D
1,2-Dichlorobenzene	ND	250	100	ug/Kg	1	09/22/21	WB	SW8270D
1,2-Diphenylhydrazine	ND	250	120	ug/Kg	1	09/22/21	WB	SW8270D
1,3-Dichlorobenzene	ND	250	110	ug/Kg	1	09/22/21	WB	SW8270D
1,4-Dichlorobenzene	ND	250	110	ug/Kg	1	09/22/21	WB	SW8270D
2,4,5-Trichlorophenol	ND	250	190	ug/Kg	1	09/22/21	WB	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
2,4,6-Trichlorophenol	ND	180	110	ug/Kg	1	09/22/21	WB	SW8270D
2,4-Dichlorophenol	ND	180	130	ug/Kg	1	09/22/21	WB	SW8270D
2,4-Dimethylphenol	ND	250	88	ug/Kg	1	09/22/21	WB	SW8270D
2,4-Dinitrophenol	ND	250	250	ug/Kg	1	09/22/21	WB	SW8270D
2,4-Dinitrotoluene	ND	180	140	ug/Kg	1	09/22/21	WB	SW8270D
2,6-Dinitrotoluene	ND	180	110	ug/Kg	1	09/22/21	WB	SW8270D
2-Chloronaphthalene	ND	250	100	ug/Kg	1	09/22/21	WB	SW8270D
2-Chlorophenol	ND	250	100	ug/Kg	1	09/22/21	WB	SW8270D
2-Methylnaphthalene	ND	250	110	ug/Kg	1	09/22/21	WB	SW8270D
2-Methylphenol (o-cresol)	ND	250	170	ug/Kg	1	09/22/21	WB	SW8270D
2-Nitroaniline	ND	250	250	ug/Kg	1	09/22/21	WB	SW8270D
2-Nitrophenol	ND	250	230	ug/Kg	1	09/22/21	WB	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	250	140	ug/Kg	1	09/22/21	WB	SW8270D
3,3'-Dichlorobenzidine	ND	180	170	ug/Kg	1	09/22/21	WB	SW8270D
3-Nitroaniline	ND	360	710	ug/Kg	1	09/22/21	WB	SW8270D
4,6-Dinitro-2-methylphenol	ND	210	71	ug/Kg	1	09/22/21	WB	SW8270D
4-Bromophenyl phenyl ether	ND	250	100	ug/Kg	1	09/22/21	WB	SW8270D
4-Chloro-3-methylphenol	ND	250	130	ug/Kg	1	09/22/21	WB	SW8270D
4-Chloroaniline	ND	280	170	ug/Kg	1	09/22/21	WB	SW8270D
4-Chlorophenyl phenyl ether	ND	250	120	ug/Kg	1	09/22/21	WB	SW8270D
4-Nitroaniline	ND	360	120	ug/Kg	1	09/22/21	WB	SW8270D
4-Nitrophenol	ND	360	160	ug/Kg	1	09/22/21	WB	SW8270D
Acenaphthene	ND	250	110	ug/Kg	1	09/22/21	WB	SW8270D
Acenaphthylene	ND	250	100	ug/Kg	1	09/22/21	WB	SW8270D
Acetophenone	ND	250	110	ug/Kg	1	09/22/21	WB	SW8270D
Aniline	ND	280	280	ug/Kg	1	09/22/21	WB	SW8270D
Anthracene	ND	250	120	ug/Kg	1	09/22/21	WB	SW8270D
Benz(a)anthracene	230	J 250	120	ug/Kg	1	09/22/21	WB	SW8270D
Benzidine	ND	360	210	ug/Kg	1	09/22/21	WB	SW8270D
Benzo(a)pyrene	260	180	120	ug/Kg	1	09/22/21	WB	SW8270D
Benzo(b)fluoranthene	240	J 250	120	ug/Kg	1	09/22/21	WB	SW8270D
Benzo(ghi)perylene	330	250	120	ug/Kg	1	09/22/21	WB	SW8270D
Benzo(k)fluoranthene	220	J 250	120	ug/Kg	1	09/22/21	WB	SW8270D
Benzoic acid	ND	1800	710	ug/Kg	1	09/22/21	WB	SW8270D
Benzyl butyl phthalate	ND	250	92	ug/Kg	1	09/22/21	WB	SW8270D
Bis(2-chloroethoxy)methane	ND	250	98	ug/Kg	1	09/22/21	WB	SW8270D
Bis(2-chloroethyl)ether	ND	180	96	ug/Kg	1	09/22/21	WB	SW8270D
Bis(2-chloroisopropyl)ether	ND	250	99	ug/Kg	1	09/22/21	WB	SW8270D
Bis(2-ethylhexyl)phthalate	ND	250	100	ug/Kg	1	09/22/21	WB	SW8270D
Carbazole	ND	180	140	ug/Kg	1	09/22/21	WB	SW8270D
Chrysene	230	J 250	120	ug/Kg	1	09/22/21	WB	SW8270D
Dibenz(a,h)anthracene	ND	180	120	ug/Kg	1	09/22/21	WB	SW8270D
Dibenzofuran	ND	250	100	ug/Kg	1	09/22/21	WB	SW8270D
Diethyl phthalate	ND	250	110	ug/Kg	1	09/22/21	WB	SW8270D
Dimethylphthalate	ND	250	110	ug/Kg	1	09/22/21	WB	SW8270D
Di-n-butylphthalate	ND	250	95	ug/Kg	1	09/22/21	WB	SW8270D
Di-n-octylphthalate	ND	250	92	ug/Kg	1	09/22/21	WB	SW8270D
Fluoranthene	280	250	120	ug/Kg	1	09/22/21	WB	SW8270D
Fluorene	ND	250	120	ug/Kg	1	09/22/21	WB	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Hexachlorobenzene	ND	180	100	ug/Kg	1	09/22/21	WB	SW8270D
Hexachlorobutadiene	ND	250	130	ug/Kg	1	09/22/21	WB	SW8270D
Hexachlorocyclopentadiene	ND	250	110	ug/Kg	1	09/22/21	WB	SW8270D
Hexachloroethane	ND	180	110	ug/Kg	1	09/22/21	WB	SW8270D
Indeno(1,2,3-cd)pyrene	300	250	120	ug/Kg	1	09/22/21	WB	SW8270D
Isophorone	ND	180	100	ug/Kg	1	09/22/21	WB	SW8270D
Naphthalene	ND	250	100	ug/Kg	1	09/22/21	WB	SW8270D
Nitrobenzene	ND	180	120	ug/Kg	1	09/22/21	WB	SW8270D
N-Nitrosodimethylamine	ND	250	100	ug/Kg	1	09/22/21	WB	SW8270D
N-Nitrosodi-n-propylamine	ND	180	120	ug/Kg	1	09/22/21	WB	SW8270D
N-Nitrosodiphenylamine	ND	250	140	ug/Kg	1	09/22/21	WB	SW8270D
Pentachloronitrobenzene	ND	250	130	ug/Kg	1	09/22/21	WB	SW8270D
Pentachlorophenol	ND	210	130	ug/Kg	1	09/22/21	WB	SW8270D
Phenanthrene	130	J 250	100	ug/Kg	1	09/22/21	WB	SW8270D
Phenol	ND	250	110	ug/Kg	1	09/22/21	WB	SW8270D
Pyrene	260	250	120	ug/Kg	1	09/22/21	WB	SW8270D
Pyridine	ND	250	87	ug/Kg	1	09/22/21	WB	SW8270D
QA/QC Surrogates								
% 2,4,6-Tribromophenol	126			%	1	09/22/21	WB	30 - 130 %
% 2-Fluorobiphenyl	82			%	1	09/22/21	WB	30 - 130 %
% 2-Fluorophenol	44			%	1	09/22/21	WB	30 - 130 %
% Nitrobenzene-d5	79			%	1	09/22/21	WB	30 - 130 %
% Phenol-d5	65			%	1	09/22/21	WB	30 - 130 %
% Terphenyl-d14	68			%	1	09/22/21	WB	30 - 130 %

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:

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

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

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

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

September 28, 2021

Reviewed and Released by: Ethan Lee, Project Manager



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



Analysis Report

September 28, 2021

FOR: Attn: Mr Kevin Brussee
 Brussee Environmental Corp
 14 Evans Lane
 Miller Place, NY 11764

Sample Information

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

Custody Information

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

Date

09/20/21
 09/21/21

Time

9:30
 15:23

Laboratory Data

SDG ID: GCJ33255
 Phoenix ID: CJ33262

Project ID: 188 E 135TH ST BRONX NY
 Client ID: 20B4 (3-5)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.34	0.34		mg/Kg	1	09/22/21	EK	SW6010D
Aluminum	19900	34		mg/Kg	10	09/22/21	EK	SW6010D
Arsenic	1.25	0.69		mg/Kg	1	09/22/21	EK	SW6010D
Barium	96.5	0.7		mg/Kg	1	09/22/21	EK	SW6010D
Beryllium	0.80	0.28		mg/Kg	1	09/22/21	EK	SW6010D
Calcium	26500	34		mg/Kg	10	09/22/21	EK	SW6010D
Cadmium	< 0.34	0.34		mg/Kg	1	09/22/21	EK	SW6010D
Cobalt	15.6	0.34		mg/Kg	1	09/22/21	EK	SW6010D
Chromium	35.3	0.34		mg/Kg	1	09/22/21	EK	SW6010D
Copper	33.8	0.7		mg/kg	1	09/22/21	EK	SW6010D
Iron	26200	34		mg/Kg	10	09/22/21	EK	SW6010D
Mercury	0.20	0.03		mg/Kg	2	09/22/21	AP	SW7471B
Potassium	7720	69		mg/Kg	10	09/22/21	EK	SW6010D
Magnesium	12100	34		mg/Kg	10	09/22/21	EK	SW6010D
Manganese	346	3.4		mg/Kg	10	09/22/21	EK	SW6010D
Sodium	1220	7		mg/Kg	1	09/22/21	EK	SW6010D
Nickel	28.9	0.34		mg/Kg	1	09/22/21	EK	SW6010D
Lead	18.9	0.7		mg/Kg	1	09/22/21	EK	SW6010D
Antimony	< 3.4	3.4		mg/Kg	1	09/22/21	EK	SW6010D
Selenium	< 1.4	1.4		mg/Kg	1	09/22/21	EK	SW6010D
Thallium	< 1.4	1.4		mg/Kg	1	09/22/21	EK	SW6010D
Vanadium	57.7	0.34		mg/Kg	1	09/22/21	EK	SW6010D
Zinc	74.2	0.7		mg/Kg	1	09/22/21	EK	SW6010D
Percent Solid	92			%		09/21/21	Q	SW846-%Solid
Soil Extraction for PCB	Completed					09/21/21	O/B/E	SW3545A
Soil Extraction for Pesticides	Completed					09/21/21	O/B/E	SW3545A
Field Extraction	Completed					09/20/21		SW5035A

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Mercury Digestion	Completed					09/22/21	AB/AB	SW7471B
Soil Extraction for SVOA	Completed					09/21/21	R/K	SW3546
Total Metals Digest	Completed					09/21/21	M/AG/BF	SW3050B

Polychlorinated Biphenyls

PCB-1016	ND	72	72	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1221	ND	72	72	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1232	ND	72	72	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1242	ND	72	72	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1248	ND	72	72	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1254	ND	72	72	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1260	ND	72	72	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1262	ND	72	72	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1268	ND	72	72	ug/Kg	2	09/22/21	SC	SW8082A

QA/QC Surrogates

% DCBP	69			%	2	09/22/21	SC	30 - 150 %
% DCBP (Confirmation)	69			%	2	09/22/21	SC	30 - 150 %
% TCMX	60			%	2	09/22/21	SC	30 - 150 %
% TCMX (Confirmation)	61			%	2	09/22/21	SC	30 - 150 %

Pesticides - Soil

4,4' -DDD	ND	2.2		ug/Kg	2	09/22/21	AW	SW8081B
4,4' -DDE	ND	2.2		ug/Kg	2	09/22/21	AW	SW8081B
4,4' -DDT	ND	2.2		ug/Kg	2	09/22/21	AW	SW8081B
a-BHC	ND	7.2		ug/Kg	2	09/22/21	AW	SW8081B
a-Chlordane	ND	3.6		ug/Kg	2	09/22/21	AW	SW8081B
Aldrin	ND	3.6		ug/Kg	2	09/22/21	AW	SW8081B
b-BHC	ND	7.2		ug/Kg	2	09/22/21	AW	SW8081B
Chlordane	ND	36		ug/Kg	2	09/22/21	AW	SW8081B
d-BHC	ND	7.2		ug/Kg	2	09/22/21	AW	SW8081B
Dieldrin	ND	3.6		ug/Kg	2	09/22/21	AW	SW8081B
Endosulfan I	ND	7.2		ug/Kg	2	09/22/21	AW	SW8081B
Endosulfan II	ND	7.2		ug/Kg	2	09/22/21	AW	SW8081B
Endosulfan sulfate	ND	7.2		ug/Kg	2	09/22/21	AW	SW8081B
Endrin	ND	7.2		ug/Kg	2	09/22/21	AW	SW8081B
Endrin aldehyde	ND	7.2		ug/Kg	2	09/22/21	AW	SW8081B
Endrin ketone	ND	7.2		ug/Kg	2	09/22/21	AW	SW8081B
g-BHC	ND	1.4		ug/Kg	2	09/22/21	AW	SW8081B
g-Chlordane	ND	3.6		ug/Kg	2	09/22/21	AW	SW8081B
Heptachlor	ND	7.2		ug/Kg	2	09/22/21	AW	SW8081B
Heptachlor epoxide	ND	7.2		ug/Kg	2	09/22/21	AW	SW8081B
Methoxychlor	ND	36		ug/Kg	2	09/22/21	AW	SW8081B
Toxaphene	ND	140		ug/Kg	2	09/22/21	AW	SW8081B

QA/QC Surrogates

% DCBP	63			%	2	09/22/21	AW	30 - 150 %
% DCBP (Confirmation)	62			%	2	09/22/21	AW	30 - 150 %
% TCMX	61			%	2	09/22/21	AW	30 - 150 %
% TCMX (Confirmation)	55			%	2	09/22/21	AW	30 - 150 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Volatiles								
1,1,1,2-Tetrachloroethane	ND	4.6	0.91	ug/Kg	1	09/23/21	JLI	SW8260C
1,1,1-Trichloroethane	ND	4.6	0.46	ug/Kg	1	09/23/21	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	4.6	0.91	ug/Kg	1	09/23/21	JLI	SW8260C
1,1,2-Trichloroethane	ND	4.6	0.91	ug/Kg	1	09/23/21	JLI	SW8260C
1,1-Dichloroethane	ND	4.6	0.91	ug/Kg	1	09/23/21	JLI	SW8260C
1,1-Dichloroethene	ND	4.6	0.46	ug/Kg	1	09/23/21	JLI	SW8260C
1,1-Dichloropropene	ND	4.6	0.46	ug/Kg	1	09/23/21	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	4.6	0.91	ug/Kg	1	09/23/21	JLI	SW8260C
1,2,3-Trichloropropane	ND	4.6	0.46	ug/Kg	1	09/23/21	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	4.6	0.91	ug/Kg	1	09/23/21	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	4.6	0.46	ug/Kg	1	09/23/21	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	4.6	0.91	ug/Kg	1	09/23/21	JLI	SW8260C
1,2-Dibromoethane	ND	4.6	0.46	ug/Kg	1	09/23/21	JLI	SW8260C
1,2-Dichlorobenzene	ND	4.6	0.46	ug/Kg	1	09/23/21	JLI	SW8260C
1,2-Dichloroethane	ND	4.6	0.46	ug/Kg	1	09/23/21	JLI	SW8260C
1,2-Dichloropropane	ND	4.6	0.91	ug/Kg	1	09/23/21	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	4.6	0.46	ug/Kg	1	09/23/21	JLI	SW8260C
1,3-Dichlorobenzene	ND	4.6	0.46	ug/Kg	1	09/23/21	JLI	SW8260C
1,3-Dichloropropane	ND	4.6	0.91	ug/Kg	1	09/23/21	JLI	SW8260C
1,4-Dichlorobenzene	ND	4.6	0.46	ug/Kg	1	09/23/21	JLI	SW8260C
2,2-Dichloropropane	ND	4.6	0.46	ug/Kg	1	09/23/21	JLI	SW8260C
2-Chlorotoluene	ND	4.6	0.91	ug/Kg	1	09/23/21	JLI	SW8260C
2-Hexanone	ND	23	4.6	ug/Kg	1	09/23/21	JLI	SW8260C
2-Isopropyltoluene	ND	4.6	0.46	ug/Kg	1	09/23/21	JLI	SW8260C
4-Chlorotoluene	ND	4.6	0.46	ug/Kg	1	09/23/21	JLI	SW8260C
4-Methyl-2-pentanone	ND	23	4.6	ug/Kg	1	09/23/21	JLI	SW8260C
Acetone	ND	23	4.6	ug/Kg	1	09/23/21	JLI	SW8260C
Acrylonitrile	ND	9.1	0.91	ug/Kg	1	09/23/21	JLI	SW8260C
Benzene	ND	4.6	0.46	ug/Kg	1	09/23/21	JLI	SW8260C
Bromobenzene	ND	4.6	0.46	ug/Kg	1	09/23/21	JLI	SW8260C
Bromochloromethane	ND	4.6	0.46	ug/Kg	1	09/23/21	JLI	SW8260C
Bromodichloromethane	ND	4.6	0.91	ug/Kg	1	09/23/21	JLI	SW8260C
Bromoform	ND	4.6	0.91	ug/Kg	1	09/23/21	JLI	SW8260C
Bromomethane	ND	4.6	1.8	ug/Kg	1	09/23/21	JLI	SW8260C
Carbon Disulfide	ND	4.6	0.91	ug/Kg	1	09/23/21	JLI	SW8260C
Carbon tetrachloride	ND	4.6	0.91	ug/Kg	1	09/23/21	JLI	SW8260C
Chlorobenzene	ND	4.6	0.46	ug/Kg	1	09/23/21	JLI	SW8260C
Chloroethane	ND	4.6	0.46	ug/Kg	1	09/23/21	JLI	SW8260C
Chloroform	ND	4.6	0.46	ug/Kg	1	09/23/21	JLI	SW8260C
Chloromethane	ND	4.6	0.91	ug/Kg	1	09/23/21	JLI	SW8260C
cis-1,2-Dichloroethene	ND	4.6	0.46	ug/Kg	1	09/23/21	JLI	SW8260C
cis-1,3-Dichloropropene	ND	4.6	0.46	ug/Kg	1	09/23/21	JLI	SW8260C
Dibromochloromethane	ND	4.6	0.91	ug/Kg	1	09/23/21	JLI	SW8260C
Dibromomethane	ND	4.6	0.91	ug/Kg	1	09/23/21	JLI	SW8260C
Dichlorodifluoromethane	ND	4.6	0.46	ug/Kg	1	09/23/21	JLI	SW8260C
Ethylbenzene	ND	4.6	0.46	ug/Kg	1	09/23/21	JLI	SW8260C
Hexachlorobutadiene	ND	4.6	0.46	ug/Kg	1	09/23/21	JLI	SW8260C
Isopropylbenzene	ND	4.6	0.46	ug/Kg	1	09/23/21	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
m&p-Xylene	ND	4.6	0.91	ug/Kg	1	09/23/21	JLI	SW8260C
Methyl Ethyl Ketone	ND	27	4.6	ug/Kg	1	09/23/21	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	9.1	0.91	ug/Kg	1	09/23/21	JLI	SW8260C
Methylene chloride	ND	4.6	4.6	ug/Kg	1	09/23/21	JLI	SW8260C
Naphthalene	ND	4.6	0.91	ug/Kg	1	09/23/21	JLI	SW8260C
n-Butylbenzene	ND	4.6	0.46	ug/Kg	1	09/23/21	JLI	SW8260C
n-Propylbenzene	ND	4.6	0.91	ug/Kg	1	09/23/21	JLI	SW8260C
o-Xylene	ND	4.6	0.91	ug/Kg	1	09/23/21	JLI	SW8260C
p-Isopropyltoluene	ND	4.6	0.46	ug/Kg	1	09/23/21	JLI	SW8260C
sec-Butylbenzene	ND	4.6	0.46	ug/Kg	1	09/23/21	JLI	SW8260C
Styrene	ND	4.6	0.46	ug/Kg	1	09/23/21	JLI	SW8260C
tert-Butylbenzene	ND	4.6	0.46	ug/Kg	1	09/23/21	JLI	SW8260C
Tetrachloroethene	ND	4.6	0.91	ug/Kg	1	09/23/21	JLI	SW8260C
Tetrahydrofuran (THF)	ND	9.1	2.3	ug/Kg	1	09/23/21	JLI	SW8260C
Toluene	ND	4.6	0.46	ug/Kg	1	09/23/21	JLI	SW8260C
trans-1,2-Dichloroethene	ND	4.6	0.46	ug/Kg	1	09/23/21	JLI	SW8260C
trans-1,3-Dichloropropene	ND	4.6	0.46	ug/Kg	1	09/23/21	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	9.1	2.3	ug/Kg	1	09/23/21	JLI	SW8260C
Trichloroethene	ND	4.6	0.46	ug/Kg	1	09/23/21	JLI	SW8260C
Trichlorofluoromethane	ND	4.6	0.91	ug/Kg	1	09/23/21	JLI	SW8260C
Trichlorotrifluoroethane	ND	4.6	0.46	ug/Kg	1	09/23/21	JLI	SW8260C
Vinyl chloride	ND	4.6	0.46	ug/Kg	1	09/23/21	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	99			%	1	09/23/21	JLI	70 - 130 %
% Bromofluorobenzene	94			%	1	09/23/21	JLI	70 - 130 %
% Dibromofluoromethane	96			%	1	09/23/21	JLI	70 - 130 %
% Toluene-d8	97			%	1	09/23/21	JLI	70 - 130 %
<u>1,4-dioxane</u>								
1,4-dioxane	ND	68		ug/kg	1	09/23/21	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	99			%	1	09/23/21	JLI	70 - 130 %
% Bromofluorobenzene	94			%	1	09/23/21	JLI	70 - 130 %
% Dibromofluoromethane	96			%	1	09/23/21	JLI	70 - 130 %
% Toluene-d8	97			%	1	09/23/21	JLI	70 - 130 %
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	18		ug/Kg	1	09/23/21	JLI	SW8260C
Acrolein	ND	4.6		ug/Kg	1	09/23/21	JLI	SW8260C
Acrylonitrile	ND	18		ug/Kg	1	09/23/21	JLI	SW8260C
Tert-butyl alcohol	ND	91		ug/Kg	1	09/23/21	JLI	SW8260C
<u>Semivolatiles</u>								
1,2,4,5-Tetrachlorobenzene	ND	250	130	ug/Kg	1	09/22/21	WB	SW8270D
1,2,4-Trichlorobenzene	ND	250	110	ug/Kg	1	09/22/21	WB	SW8270D
1,2-Dichlorobenzene	ND	250	100	ug/Kg	1	09/22/21	WB	SW8270D
1,2-Diphenylhydrazine	ND	250	120	ug/Kg	1	09/22/21	WB	SW8270D
1,3-Dichlorobenzene	ND	250	110	ug/Kg	1	09/22/21	WB	SW8270D
1,4-Dichlorobenzene	ND	250	110	ug/Kg	1	09/22/21	WB	SW8270D
2,4,5-Trichlorophenol	ND	250	190	ug/Kg	1	09/22/21	WB	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
2,4,6-Trichlorophenol	ND	180	110	ug/Kg	1	09/22/21	WB	SW8270D
2,4-Dichlorophenol	ND	180	130	ug/Kg	1	09/22/21	WB	SW8270D
2,4-Dimethylphenol	ND	250	88	ug/Kg	1	09/22/21	WB	SW8270D
2,4-Dinitrophenol	ND	250	250	ug/Kg	1	09/22/21	WB	SW8270D
2,4-Dinitrotoluene	ND	180	140	ug/Kg	1	09/22/21	WB	SW8270D
2,6-Dinitrotoluene	ND	180	110	ug/Kg	1	09/22/21	WB	SW8270D
2-Chloronaphthalene	ND	250	100	ug/Kg	1	09/22/21	WB	SW8270D
2-Chlorophenol	ND	250	100	ug/Kg	1	09/22/21	WB	SW8270D
2-Methylnaphthalene	ND	250	110	ug/Kg	1	09/22/21	WB	SW8270D
2-Methylphenol (o-cresol)	ND	250	170	ug/Kg	1	09/22/21	WB	SW8270D
2-Nitroaniline	ND	250	250	ug/Kg	1	09/22/21	WB	SW8270D
2-Nitrophenol	ND	250	230	ug/Kg	1	09/22/21	WB	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	250	140	ug/Kg	1	09/22/21	WB	SW8270D
3,3'-Dichlorobenzidine	ND	180	170	ug/Kg	1	09/22/21	WB	SW8270D
3-Nitroaniline	ND	360	710	ug/Kg	1	09/22/21	WB	SW8270D
4,6-Dinitro-2-methylphenol	ND	210	71	ug/Kg	1	09/22/21	WB	SW8270D
4-Bromophenyl phenyl ether	ND	250	100	ug/Kg	1	09/22/21	WB	SW8270D
4-Chloro-3-methylphenol	ND	250	130	ug/Kg	1	09/22/21	WB	SW8270D
4-Chloroaniline	ND	280	170	ug/Kg	1	09/22/21	WB	SW8270D
4-Chlorophenyl phenyl ether	ND	250	120	ug/Kg	1	09/22/21	WB	SW8270D
4-Nitroaniline	ND	360	120	ug/Kg	1	09/22/21	WB	SW8270D
4-Nitrophenol	ND	360	160	ug/Kg	1	09/22/21	WB	SW8270D
Acenaphthene	ND	250	110	ug/Kg	1	09/22/21	WB	SW8270D
Acenaphthylene	ND	250	100	ug/Kg	1	09/22/21	WB	SW8270D
Acetophenone	ND	250	110	ug/Kg	1	09/22/21	WB	SW8270D
Aniline	ND	280	280	ug/Kg	1	09/22/21	WB	SW8270D
Anthracene	ND	250	120	ug/Kg	1	09/22/21	WB	SW8270D
Benz(a)anthracene	ND	250	120	ug/Kg	1	09/22/21	WB	SW8270D
Benzidine	ND	360	210	ug/Kg	1	09/22/21	WB	SW8270D
Benzo(a)pyrene	ND	180	120	ug/Kg	1	09/22/21	WB	SW8270D
Benzo(b)fluoranthene	ND	250	120	ug/Kg	1	09/22/21	WB	SW8270D
Benzo(ghi)perylene	ND	250	120	ug/Kg	1	09/22/21	WB	SW8270D
Benzo(k)fluoranthene	ND	250	120	ug/Kg	1	09/22/21	WB	SW8270D
Benzoic acid	ND	1800	710	ug/Kg	1	09/22/21	WB	SW8270D
Benzyl butyl phthalate	ND	250	92	ug/Kg	1	09/22/21	WB	SW8270D
Bis(2-chloroethoxy)methane	ND	250	98	ug/Kg	1	09/22/21	WB	SW8270D
Bis(2-chloroethyl)ether	ND	180	96	ug/Kg	1	09/22/21	WB	SW8270D
Bis(2-chloroisopropyl)ether	ND	250	99	ug/Kg	1	09/22/21	WB	SW8270D
Bis(2-ethylhexyl)phthalate	ND	250	100	ug/Kg	1	09/22/21	WB	SW8270D
Carbazole	ND	180	140	ug/Kg	1	09/22/21	WB	SW8270D
Chrysene	ND	250	120	ug/Kg	1	09/22/21	WB	SW8270D
Dibenz(a,h)anthracene	ND	180	120	ug/Kg	1	09/22/21	WB	SW8270D
Dibenzofuran	ND	250	100	ug/Kg	1	09/22/21	WB	SW8270D
Diethyl phthalate	ND	250	110	ug/Kg	1	09/22/21	WB	SW8270D
Dimethylphthalate	ND	250	110	ug/Kg	1	09/22/21	WB	SW8270D
Di-n-butylphthalate	ND	250	95	ug/Kg	1	09/22/21	WB	SW8270D
Di-n-octylphthalate	ND	250	92	ug/Kg	1	09/22/21	WB	SW8270D
Fluoranthene	ND	250	120	ug/Kg	1	09/22/21	WB	SW8270D
Fluorene	ND	250	120	ug/Kg	1	09/22/21	WB	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Hexachlorobenzene	ND	180	100	ug/Kg	1	09/22/21	WB	SW8270D
Hexachlorobutadiene	ND	250	130	ug/Kg	1	09/22/21	WB	SW8270D
Hexachlorocyclopentadiene	ND	250	110	ug/Kg	1	09/22/21	WB	SW8270D
Hexachloroethane	ND	180	110	ug/Kg	1	09/22/21	WB	SW8270D
Indeno(1,2,3-cd)pyrene	ND	250	120	ug/Kg	1	09/22/21	WB	SW8270D
Isophorone	ND	180	100	ug/Kg	1	09/22/21	WB	SW8270D
Naphthalene	ND	250	100	ug/Kg	1	09/22/21	WB	SW8270D
Nitrobenzene	ND	180	120	ug/Kg	1	09/22/21	WB	SW8270D
N-Nitrosodimethylamine	ND	250	100	ug/Kg	1	09/22/21	WB	SW8270D
N-Nitrosodi-n-propylamine	ND	180	120	ug/Kg	1	09/22/21	WB	SW8270D
N-Nitrosodiphenylamine	ND	250	140	ug/Kg	1	09/22/21	WB	SW8270D
Pentachloronitrobenzene	ND	250	130	ug/Kg	1	09/22/21	WB	SW8270D
Pentachlorophenol	ND	210	130	ug/Kg	1	09/22/21	WB	SW8270D
Phenanthrene	ND	250	100	ug/Kg	1	09/22/21	WB	SW8270D
Phenol	ND	250	110	ug/Kg	1	09/22/21	WB	SW8270D
Pyrene	ND	250	120	ug/Kg	1	09/22/21	WB	SW8270D
Pyridine	ND	250	87	ug/Kg	1	09/22/21	WB	SW8270D
QA/QC Surrogates								
% 2,4,6-Tribromophenol	127			%	1	09/22/21	WB	30 - 130 %
% 2-Fluorobiphenyl	85			%	1	09/22/21	WB	30 - 130 %
% 2-Fluorophenol	51			%	1	09/22/21	WB	30 - 130 %
% Nitrobenzene-d5	81			%	1	09/22/21	WB	30 - 130 %
% Phenol-d5	73			%	1	09/22/21	WB	30 - 130 %
% Terphenyl-d14	71			%	1	09/22/21	WB	30 - 130 %

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 (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

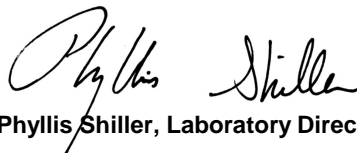
Comments:

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

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

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

If 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

September 28, 2021

Reviewed and Released by: Ethan Lee, Project Manager



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



Analysis Report

September 28, 2021

FOR: Attn: Mr Kevin Brussee
 Brussee Environmental Corp
 14 Evans Lane
 Miller Place, NY 11764

Sample Information

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

Custody Information

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

Date

09/20/21
 09/21/21

Time

9:40
 15:23

Laboratory Data

SDG ID: GCJ33255
 Phoenix ID: CJ33263

Project ID: 188 E 135TH ST BRONX NY
 Client ID: 20B6 (0-2)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.35	0.35		mg/Kg	1	09/22/21	TH	SW6010D
Aluminum	6560	35		mg/Kg	10	09/22/21	TH	SW6010D
Arsenic	4.27	0.70		mg/Kg	1	09/22/21	TH	SW6010D
Barium	200	0.7		mg/Kg	1	09/22/21	TH	SW6010D
Beryllium	0.39	0.28		mg/Kg	1	09/22/21	TH	SW6010D
Calcium	32500	35		mg/Kg	10	09/22/21	TH	SW6010D
Cadmium	0.90	0.35		mg/Kg	1	09/22/21	TH	SW6010D
Cobalt	7.55	0.35		mg/Kg	1	09/22/21	TH	SW6010D
Chromium	34.2	0.35		mg/Kg	1	09/22/21	TH	SW6010D
Copper	98.8	0.7		mg/kg	1	09/22/21	TH	SW6010D
Iron	14800	35		mg/Kg	10	09/22/21	TH	SW6010D
Mercury	0.28	0.03		mg/Kg	2	09/22/21	AP	SW7471B
Potassium	1400	7		mg/Kg	1	09/22/21	TH	SW6010D
Magnesium	5900	35		mg/Kg	10	09/22/21	TH	SW6010D
Manganese	247	3.5		mg/Kg	10	09/22/21	TH	SW6010D
Sodium	200	7		mg/Kg	1	09/22/21	TH	SW6010D
Nickel	28.5	0.35		mg/Kg	1	09/22/21	TH	SW6010D
Lead	295	0.7		mg/Kg	1	09/22/21	TH	SW6010D
Antimony	< 3.5	3.5		mg/Kg	1	09/22/21	TH	SW6010D
Selenium	< 1.4	1.4		mg/Kg	1	09/22/21	TH	SW6010D
Thallium	< 1.4	1.4		mg/Kg	1	09/22/21	TH	SW6010D
Vanadium	23.6	0.35		mg/Kg	1	09/22/21	TH	SW6010D
Zinc	304	0.7		mg/Kg	1	09/22/21	TH	SW6010D
Percent Solid	91			%		09/22/21	Q	SW846-%Solid

Soil Extraction for PCB	Completed	09/21/21	O/B/E	SW3545A
Soil Extraction for Pesticides	Completed	09/21/21	O/B/E	SW3545A
Field Extraction	Completed	09/20/21		SW5035A

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Mercury Digestion	Completed					09/22/21	AB/AB	SW7471B
Soil Extraction for SVOA	Completed					09/21/21	R/K	SW3546
Total Metals Digest	Completed					09/21/21	M/AG/BF	SW3050B

Polychlorinated Biphenyls

PCB-1016	ND	71	71	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1221	ND	71	71	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1232	ND	71	71	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1242	ND	71	71	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1248	ND	71	71	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1254	ND	71	71	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1260	ND	71	71	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1262	ND	71	71	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1268	ND	71	71	ug/Kg	2	09/22/21	SC	SW8082A

QA/QC Surrogates

% DCBP	64			%	2	09/22/21	SC	30 - 150 %
% DCBP (Confirmation)	63			%	2	09/22/21	SC	30 - 150 %
% TCMX	57			%	2	09/22/21	SC	30 - 150 %
% TCMX (Confirmation)	60			%	2	09/22/21	SC	30 - 150 %

Pesticides - Soil

4,4' -DDD	9.0	2.1		ug/Kg	2	09/22/21	AW	SW8081B
4,4' -DDE	18	2.1		ug/Kg	2	09/22/21	AW	SW8081B
4,4' -DDT	26	2.1		ug/Kg	2	09/22/21	AW	SW8081B
a-BHC	ND	7.1		ug/Kg	2	09/22/21	AW	SW8081B
a-Chlordane	ND	5.0		ug/Kg	2	09/22/21	AW	SW8081B
Aldrin	ND	3.5		ug/Kg	2	09/22/21	AW	SW8081B
b-BHC	ND	7.1		ug/Kg	2	09/22/21	AW	SW8081B
Chlordane	ND	35		ug/Kg	2	09/22/21	AW	SW8081B
d-BHC	ND	7.1		ug/Kg	2	09/22/21	AW	SW8081B
Dieldrin	7.8	3.5		ug/Kg	2	09/22/21	AW	SW8081B
Endosulfan I	ND	7.1		ug/Kg	2	09/22/21	AW	SW8081B
Endosulfan II	ND	7.1		ug/Kg	2	09/22/21	AW	SW8081B
Endosulfan sulfate	ND	7.1		ug/Kg	2	09/22/21	AW	SW8081B
Endrin	ND	7.1		ug/Kg	2	09/22/21	AW	SW8081B
Endrin aldehyde	ND	7.1		ug/Kg	2	09/22/21	AW	SW8081B
Endrin ketone	ND	7.1		ug/Kg	2	09/22/21	AW	SW8081B
g-BHC	ND	1.4		ug/Kg	2	09/22/21	AW	SW8081B
g-Chlordane	ND	5.0		ug/Kg	2	09/22/21	AW	SW8081B
Heptachlor	ND	7.1		ug/Kg	2	09/22/21	AW	SW8081B
Heptachlor epoxide	ND	7.1		ug/Kg	2	09/22/21	AW	SW8081B
Methoxychlor	ND	35		ug/Kg	2	09/22/21	AW	SW8081B
Toxaphene	ND	140		ug/Kg	2	09/22/21	AW	SW8081B

QA/QC Surrogates

% DCBP	53			%	2	09/22/21	AW	30 - 150 %
% DCBP (Confirmation)	69			%	2	09/22/21	AW	30 - 150 %
% TCMX	56			%	2	09/22/21	AW	30 - 150 %
% TCMX (Confirmation)	58			%	2	09/22/21	AW	30 - 150 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Volatiles								
1,1,1,2-Tetrachloroethane	ND	4.8	0.97	ug/Kg	1	09/23/21	JLI	SW8260C
1,1,1-Trichloroethane	ND	4.8	0.48	ug/Kg	1	09/23/21	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	4.8	0.97	ug/Kg	1	09/23/21	JLI	SW8260C
1,1,2-Trichloroethane	ND	4.8	0.97	ug/Kg	1	09/23/21	JLI	SW8260C
1,1-Dichloroethane	ND	4.8	0.97	ug/Kg	1	09/23/21	JLI	SW8260C
1,1-Dichloroethene	ND	4.8	0.48	ug/Kg	1	09/23/21	JLI	SW8260C
1,1-Dichloropropene	ND	4.8	0.48	ug/Kg	1	09/23/21	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	4.8	0.97	ug/Kg	1	09/23/21	JLI	SW8260C
1,2,3-Trichloropropane	ND	4.8	0.48	ug/Kg	1	09/23/21	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	4.8	0.97	ug/Kg	1	09/23/21	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	4.8	0.48	ug/Kg	1	09/23/21	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	4.8	0.97	ug/Kg	1	09/23/21	JLI	SW8260C
1,2-Dibromoethane	ND	4.8	0.48	ug/Kg	1	09/23/21	JLI	SW8260C
1,2-Dichlorobenzene	ND	4.8	0.48	ug/Kg	1	09/23/21	JLI	SW8260C
1,2-Dichloroethane	ND	4.8	0.48	ug/Kg	1	09/23/21	JLI	SW8260C
1,2-Dichloropropane	ND	4.8	0.97	ug/Kg	1	09/23/21	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	4.8	0.48	ug/Kg	1	09/23/21	JLI	SW8260C
1,3-Dichlorobenzene	ND	4.8	0.48	ug/Kg	1	09/23/21	JLI	SW8260C
1,3-Dichloropropane	ND	4.8	0.97	ug/Kg	1	09/23/21	JLI	SW8260C
1,4-Dichlorobenzene	ND	4.8	0.48	ug/Kg	1	09/23/21	JLI	SW8260C
2,2-Dichloropropane	ND	4.8	0.48	ug/Kg	1	09/23/21	JLI	SW8260C
2-Chlorotoluene	ND	4.8	0.97	ug/Kg	1	09/23/21	JLI	SW8260C
2-Hexanone	ND	24	4.8	ug/Kg	1	09/23/21	JLI	SW8260C
2-Isopropyltoluene	ND	4.8	0.48	ug/Kg	1	09/23/21	JLI	SW8260C
4-Chlorotoluene	ND	4.8	0.48	ug/Kg	1	09/23/21	JLI	SW8260C
4-Methyl-2-pentanone	ND	24	4.8	ug/Kg	1	09/23/21	JLI	SW8260C
Acetone	ND	24	4.8	ug/Kg	1	09/23/21	JLI	SW8260C
Acrylonitrile	ND	9.7	0.97	ug/Kg	1	09/23/21	JLI	SW8260C
Benzene	ND	4.8	0.48	ug/Kg	1	09/23/21	JLI	SW8260C
Bromobenzene	ND	4.8	0.48	ug/Kg	1	09/23/21	JLI	SW8260C
Bromochloromethane	ND	4.8	0.48	ug/Kg	1	09/23/21	JLI	SW8260C
Bromodichloromethane	ND	4.8	0.97	ug/Kg	1	09/23/21	JLI	SW8260C
Bromoform	ND	4.8	0.97	ug/Kg	1	09/23/21	JLI	SW8260C
Bromomethane	ND	4.8	1.9	ug/Kg	1	09/23/21	JLI	SW8260C
Carbon Disulfide	ND	4.8	0.97	ug/Kg	1	09/23/21	JLI	SW8260C
Carbon tetrachloride	ND	4.8	0.97	ug/Kg	1	09/23/21	JLI	SW8260C
Chlorobenzene	ND	4.8	0.48	ug/Kg	1	09/23/21	JLI	SW8260C
Chloroethane	ND	4.8	0.48	ug/Kg	1	09/23/21	JLI	SW8260C
Chloroform	ND	4.8	0.48	ug/Kg	1	09/23/21	JLI	SW8260C
Chloromethane	ND	4.8	0.97	ug/Kg	1	09/23/21	JLI	SW8260C
cis-1,2-Dichloroethene	ND	4.8	0.48	ug/Kg	1	09/23/21	JLI	SW8260C
cis-1,3-Dichloropropene	ND	4.8	0.48	ug/Kg	1	09/23/21	JLI	SW8260C
Dibromochloromethane	ND	4.8	0.97	ug/Kg	1	09/23/21	JLI	SW8260C
Dibromomethane	ND	4.8	0.97	ug/Kg	1	09/23/21	JLI	SW8260C
Dichlorodifluoromethane	ND	4.8	0.48	ug/Kg	1	09/23/21	JLI	SW8260C
Ethylbenzene	ND	4.8	0.48	ug/Kg	1	09/23/21	JLI	SW8260C
Hexachlorobutadiene	ND	4.8	0.48	ug/Kg	1	09/23/21	JLI	SW8260C
Isopropylbenzene	ND	4.8	0.48	ug/Kg	1	09/23/21	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
m&p-Xylene	ND	4.8	0.97	ug/Kg	1	09/23/21	JLI	SW8260C
Methyl Ethyl Ketone	ND	29	4.8	ug/Kg	1	09/23/21	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	9.7	0.97	ug/Kg	1	09/23/21	JLI	SW8260C
Methylene chloride	ND	4.8	4.8	ug/Kg	1	09/23/21	JLI	SW8260C
Naphthalene	ND	4.8	0.97	ug/Kg	1	09/23/21	JLI	SW8260C
n-Butylbenzene	ND	4.8	0.48	ug/Kg	1	09/23/21	JLI	SW8260C
n-Propylbenzene	ND	4.8	0.97	ug/Kg	1	09/23/21	JLI	SW8260C
o-Xylene	ND	4.8	0.97	ug/Kg	1	09/23/21	JLI	SW8260C
p-Isopropyltoluene	ND	4.8	0.48	ug/Kg	1	09/23/21	JLI	SW8260C
sec-Butylbenzene	ND	4.8	0.48	ug/Kg	1	09/23/21	JLI	SW8260C
Styrene	ND	4.8	0.48	ug/Kg	1	09/23/21	JLI	SW8260C
tert-Butylbenzene	ND	4.8	0.48	ug/Kg	1	09/23/21	JLI	SW8260C
Tetrachloroethene	ND	4.8	0.97	ug/Kg	1	09/23/21	JLI	SW8260C
Tetrahydrofuran (THF)	ND	9.7	2.4	ug/Kg	1	09/23/21	JLI	SW8260C
Toluene	ND	4.8	0.48	ug/Kg	1	09/23/21	JLI	SW8260C
trans-1,2-Dichloroethene	ND	4.8	0.48	ug/Kg	1	09/23/21	JLI	SW8260C
trans-1,3-Dichloropropene	ND	4.8	0.48	ug/Kg	1	09/23/21	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	9.7	2.4	ug/Kg	1	09/23/21	JLI	SW8260C
Trichloroethene	ND	4.8	0.48	ug/Kg	1	09/23/21	JLI	SW8260C
Trichlorofluoromethane	ND	4.8	0.97	ug/Kg	1	09/23/21	JLI	SW8260C
Trichlorotrifluoroethane	ND	4.8	0.48	ug/Kg	1	09/23/21	JLI	SW8260C
Vinyl chloride	ND	4.8	0.48	ug/Kg	1	09/23/21	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	99			%	1	09/23/21	JLI	70 - 130 %
% Bromofluorobenzene	93			%	1	09/23/21	JLI	70 - 130 %
% Dibromofluoromethane	95			%	1	09/23/21	JLI	70 - 130 %
% Toluene-d8	98			%	1	09/23/21	JLI	70 - 130 %
<u>1,4-dioxane</u>								
1,4-dioxane	ND	73		ug/kg	1	09/23/21	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	99			%	1	09/23/21	JLI	70 - 130 %
% Bromofluorobenzene	93			%	1	09/23/21	JLI	70 - 130 %
% Dibromofluoromethane	95			%	1	09/23/21	JLI	70 - 130 %
% Toluene-d8	98			%	1	09/23/21	JLI	70 - 130 %
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	19		ug/Kg	1	09/23/21	JLI	SW8260C
Acrolein	ND	4.8		ug/Kg	1	09/23/21	JLI	SW8260C
Acrylonitrile	ND	19		ug/Kg	1	09/23/21	JLI	SW8260C
Tert-butyl alcohol	ND	97		ug/Kg	1	09/23/21	JLI	SW8260C
<u>Semivolatiles</u>								
1,2,4,5-Tetrachlorobenzene	ND	250	130	ug/Kg	1	09/22/21	WB	SW8270D
1,2,4-Trichlorobenzene	ND	250	110	ug/Kg	1	09/22/21	WB	SW8270D
1,2-Dichlorobenzene	ND	250	100	ug/Kg	1	09/22/21	WB	SW8270D
1,2-Diphenylhydrazine	ND	250	120	ug/Kg	1	09/22/21	WB	SW8270D
1,3-Dichlorobenzene	ND	250	110	ug/Kg	1	09/22/21	WB	SW8270D
1,4-Dichlorobenzene	ND	250	110	ug/Kg	1	09/22/21	WB	SW8270D
2,4,5-Trichlorophenol	ND	250	200	ug/Kg	1	09/22/21	WB	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
2,4,6-Trichlorophenol	ND	180	110	ug/Kg	1	09/22/21	WB	SW8270D
2,4-Dichlorophenol	ND	180	130	ug/Kg	1	09/22/21	WB	SW8270D
2,4-Dimethylphenol	ND	250	89	ug/Kg	1	09/22/21	WB	SW8270D
2,4-Dinitrophenol	ND	250	250	ug/Kg	1	09/22/21	WB	SW8270D
2,4-Dinitrotoluene	ND	180	140	ug/Kg	1	09/22/21	WB	SW8270D
2,6-Dinitrotoluene	ND	180	110	ug/Kg	1	09/22/21	WB	SW8270D
2-Chloronaphthalene	ND	250	100	ug/Kg	1	09/22/21	WB	SW8270D
2-Chlorophenol	ND	250	100	ug/Kg	1	09/22/21	WB	SW8270D
2-Methylnaphthalene	ND	250	110	ug/Kg	1	09/22/21	WB	SW8270D
2-Methylphenol (o-cresol)	ND	250	170	ug/Kg	1	09/22/21	WB	SW8270D
2-Nitroaniline	ND	250	250	ug/Kg	1	09/22/21	WB	SW8270D
2-Nitrophenol	ND	250	230	ug/Kg	1	09/22/21	WB	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	250	140	ug/Kg	1	09/22/21	WB	SW8270D
3,3'-Dichlorobenzidine	ND	180	170	ug/Kg	1	09/22/21	WB	SW8270D
3-Nitroaniline	ND	360	710	ug/Kg	1	09/22/21	WB	SW8270D
4,6-Dinitro-2-methylphenol	ND	210	71	ug/Kg	1	09/22/21	WB	SW8270D
4-Bromophenyl phenyl ether	ND	250	110	ug/Kg	1	09/22/21	WB	SW8270D
4-Chloro-3-methylphenol	ND	250	130	ug/Kg	1	09/22/21	WB	SW8270D
4-Chloroaniline	ND	290	170	ug/Kg	1	09/22/21	WB	SW8270D
4-Chlorophenyl phenyl ether	ND	250	120	ug/Kg	1	09/22/21	WB	SW8270D
4-Nitroaniline	ND	360	120	ug/Kg	1	09/22/21	WB	SW8270D
4-Nitrophenol	ND	360	160	ug/Kg	1	09/22/21	WB	SW8270D
Acenaphthene	ND	250	110	ug/Kg	1	09/22/21	WB	SW8270D
Acenaphthylene	ND	250	100	ug/Kg	1	09/22/21	WB	SW8270D
Acetophenone	ND	250	110	ug/Kg	1	09/22/21	WB	SW8270D
Aniline	ND	290	290	ug/Kg	1	09/22/21	WB	SW8270D
Anthracene	210	J 250	120	ug/Kg	1	09/22/21	WB	SW8270D
Benz(a)anthracene	760	250	120	ug/Kg	1	09/22/21	WB	SW8270D
Benzidine	ND	360	210	ug/Kg	1	09/22/21	WB	SW8270D
Benzo(a)pyrene	770	180	120	ug/Kg	1	09/22/21	WB	SW8270D
Benzo(b)fluoranthene	780	250	120	ug/Kg	1	09/22/21	WB	SW8270D
Benzo(ghi)perylene	460	250	120	ug/Kg	1	09/22/21	WB	SW8270D
Benzo(k)fluoranthene	770	250	120	ug/Kg	1	09/22/21	WB	SW8270D
Benzoic acid	ND	1800	710	ug/Kg	1	09/22/21	WB	SW8270D
Benzyl butyl phthalate	ND	250	92	ug/Kg	1	09/22/21	WB	SW8270D
Bis(2-chloroethoxy)methane	ND	250	99	ug/Kg	1	09/22/21	WB	SW8270D
Bis(2-chloroethyl)ether	ND	180	96	ug/Kg	1	09/22/21	WB	SW8270D
Bis(2-chloroisopropyl)ether	ND	250	99	ug/Kg	1	09/22/21	WB	SW8270D
Bis(2-ethylhexyl)phthalate	170	J 250	100	ug/Kg	1	09/22/21	WB	SW8270D
Carbazole	ND	180	140	ug/Kg	1	09/22/21	WB	SW8270D
Chrysene	810	250	120	ug/Kg	1	09/22/21	WB	SW8270D
Dibenz(a,h)anthracene	130	J 180	120	ug/Kg	1	09/22/21	WB	SW8270D
Dibenzofuran	ND	250	100	ug/Kg	1	09/22/21	WB	SW8270D
Diethyl phthalate	ND	250	110	ug/Kg	1	09/22/21	WB	SW8270D
Dimethylphthalate	ND	250	110	ug/Kg	1	09/22/21	WB	SW8270D
Di-n-butylphthalate	ND	250	95	ug/Kg	1	09/22/21	WB	SW8270D
Di-n-octylphthalate	ND	250	92	ug/Kg	1	09/22/21	WB	SW8270D
Fluoranthene	1200	250	120	ug/Kg	1	09/22/21	WB	SW8270D
Fluorene	ND	250	120	ug/Kg	1	09/22/21	WB	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Hexachlorobenzene	ND	180	100	ug/Kg	1	09/22/21	WB	SW8270D
Hexachlorobutadiene	ND	250	130	ug/Kg	1	09/22/21	WB	SW8270D
Hexachlorocyclopentadiene	ND	250	110	ug/Kg	1	09/22/21	WB	SW8270D
Hexachloroethane	ND	180	110	ug/Kg	1	09/22/21	WB	SW8270D
Indeno(1,2,3-cd)pyrene	490	250	120	ug/Kg	1	09/22/21	WB	SW8270D
Isophorone	ND	180	100	ug/Kg	1	09/22/21	WB	SW8270D
Naphthalene	ND	250	100	ug/Kg	1	09/22/21	WB	SW8270D
Nitrobenzene	ND	180	130	ug/Kg	1	09/22/21	WB	SW8270D
N-Nitrosodimethylamine	ND	250	100	ug/Kg	1	09/22/21	WB	SW8270D
N-Nitrosodi-n-propylamine	ND	180	120	ug/Kg	1	09/22/21	WB	SW8270D
N-Nitrosodiphenylamine	ND	250	140	ug/Kg	1	09/22/21	WB	SW8270D
Pentachloronitrobenzene	ND	250	130	ug/Kg	1	09/22/21	WB	SW8270D
Pentachlorophenol	ND	210	140	ug/Kg	1	09/22/21	WB	SW8270D
Phenanthrene	860	250	100	ug/Kg	1	09/22/21	WB	SW8270D
Phenol	ND	250	110	ug/Kg	1	09/22/21	WB	SW8270D
Pyrene	990	250	120	ug/Kg	1	09/22/21	WB	SW8270D
Pyridine	ND	250	88	ug/Kg	1	09/22/21	WB	SW8270D
QA/QC Surrogates								
% 2,4,6-Tribromophenol	120			%	1	09/22/21	WB	30 - 130 %
% 2-Fluorobiphenyl	87			%	1	09/22/21	WB	30 - 130 %
% 2-Fluorophenol	48			%	1	09/22/21	WB	30 - 130 %
% Nitrobenzene-d5	81			%	1	09/22/21	WB	30 - 130 %
% Phenol-d5	70			%	1	09/22/21	WB	30 - 130 %
% Terphenyl-d14	73			%	1	09/22/21	WB	30 - 130 %

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 (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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

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

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

If 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

September 28, 2021

Reviewed and Released by: Ethan Lee, Project Manager



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



Analysis Report

September 28, 2021

FOR: Attn: Mr Kevin Brussee
 Brussee Environmental Corp
 14 Evans Lane
 Miller Place, NY 11764

Sample Information

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

Custody Information

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

Date

09/20/21
 09/21/21

Time

9:50
 15:23

Laboratory Data

SDG ID: GCJ33255
 Phoenix ID: CJ33264

Project ID: 188 E 135TH ST BRONX NY
 Client ID: 20B6 (3-5)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	0.40	0.35		mg/Kg	1	09/22/21	EK	SW6010D
Aluminum	9150	35		mg/Kg	10	09/22/21	EK	SW6010D
Arsenic	7.58	0.70		mg/Kg	1	09/22/21	EK	SW6010D
Barium	1540	7.0		mg/Kg	10	09/22/21	EK	SW6010D
Beryllium	0.37	0.28		mg/Kg	1	09/22/21	EK	SW6010D
Calcium	23800	35		mg/Kg	10	09/22/21	EK	SW6010D
Cadmium	2.58	0.35		mg/Kg	1	09/22/21	EK	SW6010D
Cobalt	8.59	0.35		mg/Kg	1	09/22/21	EK	SW6010D
Chromium	26.7	0.35		mg/Kg	1	09/22/21	EK	SW6010D
Copper	128	0.7		mg/kg	1	09/22/21	EK	SW6010D
Iron	24600	35		mg/Kg	10	09/22/21	EK	SW6010D
Mercury	1.66	0.06		mg/Kg	4	09/22/21	AP	SW7471B
Potassium	1560	7		mg/Kg	1	09/22/21	EK	SW6010D
Magnesium	3670	3.5		mg/Kg	1	09/22/21	EK	SW6010D
Manganese	407	3.5		mg/Kg	10	09/22/21	EK	SW6010D
Sodium	284	7		mg/Kg	1	09/22/21	EK	SW6010D
Nickel	23.4	0.35		mg/Kg	1	09/22/21	EK	SW6010D
Lead	951	7.0		mg/Kg	10	09/22/21	EK	SW6010D
Antimony	< 3.5	3.5		mg/Kg	1	09/22/21	EK	SW6010D
Selenium	< 1.4	1.4		mg/Kg	1	09/22/21	EK	SW6010D
Thallium	< 1.4	1.4		mg/Kg	1	09/22/21	EK	SW6010D
Vanadium	55.6	0.35		mg/Kg	1	09/22/21	EK	SW6010D
Zinc	873	7.0		mg/Kg	10	09/22/21	EK	SW6010D
Percent Solid	88			%		09/21/21	Q	SW846-%Solid
Soil Extraction for PCB	Completed					09/21/21	O/B/E	SW3545A
Soil Extraction for Pesticides	Completed					09/21/21	O/B/E	SW3545A
Field Extraction	Completed					09/20/21		SW5035A

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Mercury Digestion	Completed					09/22/21	AB/AB	SW7471B
Soil Extraction for SVOA	Completed					09/21/21	R/K	SW3546
Total Metals Digest	Completed					09/21/21	M/AG/BF	SW3050B

Polychlorinated Biphenyls

PCB-1016	ND	740	740	ug/Kg	20	09/23/21	SC	SW8082A
PCB-1221	ND	740	740	ug/Kg	20	09/23/21	SC	SW8082A
PCB-1232	ND	740	740	ug/Kg	20	09/23/21	SC	SW8082A
PCB-1242	ND	740	740	ug/Kg	20	09/23/21	SC	SW8082A
PCB-1248	ND	740	740	ug/Kg	20	09/23/21	SC	SW8082A
PCB-1254	5700	740	740	ug/Kg	20	09/23/21	SC	SW8082A
PCB-1260	ND	740	740	ug/Kg	20	09/23/21	SC	SW8082A
PCB-1262	ND	740	740	ug/Kg	20	09/23/21	SC	SW8082A
PCB-1268	ND	740	740	ug/Kg	20	09/23/21	SC	SW8082A

QA/QC Surrogates

% DCBP	87			%	20	09/23/21	SC	30 - 150 %
% DCBP (Confirmation)	89			%	20	09/23/21	SC	30 - 150 %
% TCMX	70			%	20	09/23/21	SC	30 - 150 %
% TCMX (Confirmation)	69			%	20	09/23/21	SC	30 - 150 %

Pesticides - Soil

4,4' -DDD	ND	50		ug/Kg	10	09/22/21	AW	SW8081B
4,4' -DDE	ND	110		ug/Kg	10	09/22/21	AW	SW8081B
4,4' -DDT	ND	500		ug/Kg	10	09/22/21	AW	SW8081B
a-BHC	ND	7.4		ug/Kg	10	09/22/21	AW	SW8081B
a-Chlordane	ND	100		ug/Kg	10	09/22/21	AW	SW8081B
Aldrin	ND	7.4		ug/Kg	10	09/22/21	AW	SW8081B
b-BHC	ND	7.4		ug/Kg	10	09/22/21	AW	SW8081B
Chlordane	ND	190		ug/Kg	10	09/22/21	AW	SW8081B
d-BHC	ND	37		ug/Kg	10	09/22/21	AW	SW8081B
Dieldrin	ND	7.4		ug/Kg	10	09/22/21	AW	SW8081B
Endosulfan I	ND	37		ug/Kg	10	09/22/21	AW	SW8081B
Endosulfan II	ND	37		ug/Kg	10	09/22/21	AW	SW8081B
Endosulfan sulfate	ND	37		ug/Kg	10	09/22/21	AW	SW8081B
Endrin	ND	19		ug/Kg	10	09/22/21	AW	SW8081B
Endrin aldehyde	ND	75		ug/Kg	10	09/22/21	AW	SW8081B
Endrin ketone	ND	37		ug/Kg	10	09/22/21	AW	SW8081B
g-BHC	ND	7.4		ug/Kg	10	09/22/21	AW	SW8081B
g-Chlordane	ND	19		ug/Kg	10	09/22/21	AW	SW8081B
Heptachlor	ND	37		ug/Kg	10	09/22/21	AW	SW8081B
Heptachlor epoxide	ND	37		ug/Kg	10	09/22/21	AW	SW8081B
Methoxychlor	ND	190		ug/Kg	10	09/22/21	AW	SW8081B
Toxaphene	ND	740		ug/Kg	10	09/22/21	AW	SW8081B

QA/QC Surrogates

% DCBP	62			%	10	09/22/21	AW	30 - 150 %
% DCBP (Confirmation)	71			%	10	09/22/21	AW	30 - 150 %
% TCMX	61			%	10	09/22/21	AW	30 - 150 %
% TCMX (Confirmation)	59			%	10	09/22/21	AW	30 - 150 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Volatiles								
1,1,1,2-Tetrachloroethane	ND	8.1	1.6	ug/Kg	1	09/23/21	JLI	SW8260C
1,1,1-Trichloroethane	ND	8.1	0.81	ug/Kg	1	09/23/21	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	8.1	1.6	ug/Kg	1	09/23/21	JLI	SW8260C
1,1,2-Trichloroethane	ND	8.1	1.6	ug/Kg	1	09/23/21	JLI	SW8260C
1,1-Dichloroethane	ND	8.1	1.6	ug/Kg	1	09/23/21	JLI	SW8260C
1,1-Dichloroethene	ND	8.1	0.81	ug/Kg	1	09/23/21	JLI	SW8260C
1,1-Dichloropropene	ND	8.1	0.81	ug/Kg	1	09/23/21	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	8.1	1.6	ug/Kg	1	09/23/21	JLI	SW8260C
1,2,3-Trichloropropane	ND	8.1	0.81	ug/Kg	1	09/23/21	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	8.1	1.6	ug/Kg	1	09/23/21	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	8.1	0.81	ug/Kg	1	09/23/21	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	8.1	1.6	ug/Kg	1	09/23/21	JLI	SW8260C
1,2-Dibromoethane	ND	8.1	0.81	ug/Kg	1	09/23/21	JLI	SW8260C
1,2-Dichlorobenzene	ND	8.1	0.81	ug/Kg	1	09/23/21	JLI	SW8260C
1,2-Dichloroethane	ND	8.1	0.81	ug/Kg	1	09/23/21	JLI	SW8260C
1,2-Dichloropropane	ND	8.1	1.6	ug/Kg	1	09/23/21	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	8.1	0.81	ug/Kg	1	09/23/21	JLI	SW8260C
1,3-Dichlorobenzene	ND	8.1	0.81	ug/Kg	1	09/23/21	JLI	SW8260C
1,3-Dichloropropane	ND	8.1	1.6	ug/Kg	1	09/23/21	JLI	SW8260C
1,4-Dichlorobenzene	ND	8.1	0.81	ug/Kg	1	09/23/21	JLI	SW8260C
2,2-Dichloropropane	ND	8.1	0.81	ug/Kg	1	09/23/21	JLI	SW8260C
2-Chlorotoluene	ND	8.1	1.6	ug/Kg	1	09/23/21	JLI	SW8260C
2-Hexanone	ND	41	8.1	ug/Kg	1	09/23/21	JLI	SW8260C
2-Isopropyltoluene	ND	8.1	0.81	ug/Kg	1	09/23/21	JLI	SW8260C
4-Chlorotoluene	ND	8.1	0.81	ug/Kg	1	09/23/21	JLI	SW8260C
4-Methyl-2-pentanone	ND	41	8.1	ug/Kg	1	09/23/21	JLI	SW8260C
Acetone	ND	41	8.1	ug/Kg	1	09/23/21	JLI	SW8260C
Acrylonitrile	ND	16	1.6	ug/Kg	1	09/23/21	JLI	SW8260C
Benzene	140	60	37	ug/Kg	50	09/23/21	JLI	SW8260C
Bromobenzene	ND	8.1	0.81	ug/Kg	1	09/23/21	JLI	SW8260C
Bromochloromethane	ND	8.1	0.81	ug/Kg	1	09/23/21	JLI	SW8260C
Bromodichloromethane	ND	8.1	1.6	ug/Kg	1	09/23/21	JLI	SW8260C
Bromoform	ND	8.1	1.6	ug/Kg	1	09/23/21	JLI	SW8260C
Bromomethane	ND	8.1	3.3	ug/Kg	1	09/23/21	JLI	SW8260C
Carbon Disulfide	ND	8.1	1.6	ug/Kg	1	09/23/21	JLI	SW8260C
Carbon tetrachloride	ND	8.1	1.6	ug/Kg	1	09/23/21	JLI	SW8260C
Chlorobenzene	ND	8.1	0.81	ug/Kg	1	09/23/21	JLI	SW8260C
Chloroethane	ND	8.1	0.81	ug/Kg	1	09/23/21	JLI	SW8260C
Chloroform	ND	8.1	0.81	ug/Kg	1	09/23/21	JLI	SW8260C
Chloromethane	ND	8.1	1.6	ug/Kg	1	09/23/21	JLI	SW8260C
cis-1,2-Dichloroethene	ND	8.1	0.81	ug/Kg	1	09/23/21	JLI	SW8260C
cis-1,3-Dichloropropene	ND	8.1	0.81	ug/Kg	1	09/23/21	JLI	SW8260C
Dibromochloromethane	ND	8.1	1.6	ug/Kg	1	09/23/21	JLI	SW8260C
Dibromomethane	ND	8.1	1.6	ug/Kg	1	09/23/21	JLI	SW8260C
Dichlorodifluoromethane	ND	8.1	0.81	ug/Kg	1	09/23/21	JLI	SW8260C
Ethylbenzene	ND	8.1	0.81	ug/Kg	1	09/23/21	JLI	SW8260C
Hexachlorobutadiene	ND	8.1	0.81	ug/Kg	1	09/23/21	JLI	SW8260C
Isopropylbenzene	ND	8.1	0.81	ug/Kg	1	09/23/21	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
m&p-Xylene	ND	8.1	1.6	ug/Kg	1	09/23/21	JLI	SW8260C
Methyl Ethyl Ketone	ND	49	8.1	ug/Kg	1	09/23/21	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	16	1.6	ug/Kg	1	09/23/21	JLI	SW8260C
Methylene chloride	ND	8.1	8.1	ug/Kg	1	09/23/21	JLI	SW8260C
Naphthalene	210	190	74	ug/Kg	50	09/23/21	JLI	SW8260C
n-Butylbenzene	ND	8.1	0.81	ug/Kg	1	09/23/21	JLI	SW8260C
n-Propylbenzene	ND	8.1	1.6	ug/Kg	1	09/23/21	JLI	SW8260C
o-Xylene	ND	8.1	1.6	ug/Kg	1	09/23/21	JLI	SW8260C
p-Isopropyltoluene	ND	8.1	0.81	ug/Kg	1	09/23/21	JLI	SW8260C
sec-Butylbenzene	ND	8.1	0.81	ug/Kg	1	09/23/21	JLI	SW8260C
Styrene	ND	8.1	0.81	ug/Kg	1	09/23/21	JLI	SW8260C
tert-Butylbenzene	ND	8.1	0.81	ug/Kg	1	09/23/21	JLI	SW8260C
Tetrachloroethene	ND	8.1	1.6	ug/Kg	1	09/23/21	JLI	SW8260C
Tetrahydrofuran (THF)	ND	16	4.1	ug/Kg	1	09/23/21	JLI	SW8260C
Toluene	ND	8.1	0.81	ug/Kg	1	09/23/21	JLI	SW8260C
trans-1,2-Dichloroethene	ND	8.1	0.81	ug/Kg	1	09/23/21	JLI	SW8260C
trans-1,3-Dichloropropene	ND	8.1	0.81	ug/Kg	1	09/23/21	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	16	4.1	ug/Kg	1	09/23/21	JLI	SW8260C
Trichloroethene	ND	8.1	0.81	ug/Kg	1	09/23/21	JLI	SW8260C
Trichlorofluoromethane	ND	8.1	1.6	ug/Kg	1	09/23/21	JLI	SW8260C
Trichlorotrifluoroethane	ND	8.1	0.81	ug/Kg	1	09/23/21	JLI	SW8260C
Vinyl chloride	ND	8.1	0.81	ug/Kg	1	09/23/21	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	98			%	1	09/23/21	JLI	70 - 130 %
% Bromofluorobenzene	91			%	1	09/23/21	JLI	70 - 130 %
% Dibromofluoromethane	93			%	1	09/23/21	JLI	70 - 130 %
% Toluene-d8	98			%	1	09/23/21	JLI	70 - 130 %
% 1,2-dichlorobenzene-d4 (50x)	99			%	50	09/23/21	JLI	70 - 130 %
% Bromofluorobenzene (50x)	93			%	50	09/23/21	JLI	70 - 130 %
% Dibromofluoromethane (50x)	90			%	50	09/23/21	JLI	70 - 130 %
% Toluene-d8 (50x)	96			%	50	09/23/21	JLI	70 - 130 %
<u>1,4-dioxane</u>								
1,4-dioxane	ND	100		ug/kg	1	09/23/21	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	98			%	1	09/23/21	JLI	70 - 130 %
% Bromofluorobenzene	91			%	1	09/23/21	JLI	70 - 130 %
% Dibromofluoromethane	93			%	1	09/23/21	JLI	70 - 130 %
% Toluene-d8	98			%	1	09/23/21	JLI	70 - 130 %
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	33		ug/Kg	1	09/23/21	JLI	SW8260C
Acrolein	ND	8.1		ug/Kg	1	09/23/21	JLI	SW8260C
Acrylonitrile	ND	33		ug/Kg	1	09/23/21	JLI	SW8260C
Tert-butyl alcohol	ND	160		ug/Kg	1	09/23/21	JLI	SW8260C
<u>Semivolatiles</u>								
1,2,4,5-Tetrachlorobenzene	ND	260	130	ug/Kg	1	09/22/21	WB	SW8270D
1,2,4-Trichlorobenzene	ND	260	110	ug/Kg	1	09/22/21	WB	SW8270D
1,2-Dichlorobenzene	ND	260	100	ug/Kg	1	09/22/21	WB	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
1,2-Diphenylhydrazine	ND	260	120	ug/Kg	1	09/22/21	WB	SW8270D
1,3-Dichlorobenzene	ND	260	110	ug/Kg	1	09/22/21	WB	SW8270D
1,4-Dichlorobenzene	ND	260	110	ug/Kg	1	09/22/21	WB	SW8270D
2,4,5-Trichlorophenol	ND	260	200	ug/Kg	1	09/22/21	WB	SW8270D
2,4,6-Trichlorophenol	ND	180	120	ug/Kg	1	09/22/21	WB	SW8270D
2,4-Dichlorophenol	ND	180	130	ug/Kg	1	09/22/21	WB	SW8270D
2,4-Dimethylphenol	ND	260	91	ug/Kg	1	09/22/21	WB	SW8270D
2,4-Dinitrophenol	ND	260	260	ug/Kg	1	09/22/21	WB	SW8270D
2,4-Dinitrotoluene	ND	180	140	ug/Kg	1	09/22/21	WB	SW8270D
2,6-Dinitrotoluene	ND	180	120	ug/Kg	1	09/22/21	WB	SW8270D
2-Chloronaphthalene	ND	260	100	ug/Kg	1	09/22/21	WB	SW8270D
2-Chlorophenol	ND	260	100	ug/Kg	1	09/22/21	WB	SW8270D
2-Methylnaphthalene	ND	260	110	ug/Kg	1	09/22/21	WB	SW8270D
2-Methylphenol (o-cresol)	ND	260	170	ug/Kg	1	09/22/21	WB	SW8270D
2-Nitroaniline	ND	260	260	ug/Kg	1	09/22/21	WB	SW8270D
2-Nitrophenol	ND	260	230	ug/Kg	1	09/22/21	WB	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	260	140	ug/Kg	1	09/22/21	WB	SW8270D
3,3'-Dichlorobenzidine	ND	180	170	ug/Kg	1	09/22/21	WB	SW8270D
3-Nitroaniline	ND	370	740	ug/Kg	1	09/22/21	WB	SW8270D
4,6-Dinitro-2-methylphenol	ND	220	74	ug/Kg	1	09/22/21	WB	SW8270D
4-Bromophenyl phenyl ether	ND	260	110	ug/Kg	1	09/22/21	WB	SW8270D
4-Chloro-3-methylphenol	ND	260	130	ug/Kg	1	09/22/21	WB	SW8270D
4-Chloroaniline	ND	290	170	ug/Kg	1	09/22/21	WB	SW8270D
4-Chlorophenyl phenyl ether	ND	260	120	ug/Kg	1	09/22/21	WB	SW8270D
4-Nitroaniline	ND	370	120	ug/Kg	1	09/22/21	WB	SW8270D
4-Nitrophenol	ND	370	170	ug/Kg	1	09/22/21	WB	SW8270D
Acenaphthene	ND	260	110	ug/Kg	1	09/22/21	WB	SW8270D
Acenaphthylene	890	260	100	ug/Kg	1	09/22/21	WB	SW8270D
Acetophenone	ND	260	110	ug/Kg	1	09/22/21	WB	SW8270D
Aniline	ND	290	290	ug/Kg	1	09/22/21	WB	SW8270D
Anthracene	440	260	120	ug/Kg	1	09/22/21	WB	SW8270D
Benz(a)anthracene	2000	260	120	ug/Kg	1	09/22/21	WB	SW8270D
Benzidine	ND	370	220	ug/Kg	1	09/22/21	WB	SW8270D
Benzo(a)pyrene	1800	180	120	ug/Kg	1	09/22/21	WB	SW8270D
Benzo(b)fluoranthene	2000	260	130	ug/Kg	1	09/22/21	WB	SW8270D
Benzo(ghi)perylene	1400	260	120	ug/Kg	1	09/22/21	WB	SW8270D
Benzo(k)fluoranthene	1800	260	120	ug/Kg	1	09/22/21	WB	SW8270D
Benzoic acid	ND	1800	740	ug/Kg	1	09/22/21	WB	SW8270D
Benzyl butyl phthalate	ND	260	95	ug/Kg	1	09/22/21	WB	SW8270D
Bis(2-chloroethoxy)methane	ND	260	100	ug/Kg	1	09/22/21	WB	SW8270D
Bis(2-chloroethyl)ether	ND	180	99	ug/Kg	1	09/22/21	WB	SW8270D
Bis(2-chloroisopropyl)ether	ND	260	100	ug/Kg	1	09/22/21	WB	SW8270D
Bis(2-ethylhexyl)phthalate	ND	260	110	ug/Kg	1	09/22/21	WB	SW8270D
Carbazole	230	180	150	ug/Kg	1	09/22/21	WB	SW8270D
Chrysene	2100	260	120	ug/Kg	1	09/22/21	WB	SW8270D
Dibenz(a,h)anthracene	370	180	120	ug/Kg	1	09/22/21	WB	SW8270D
Dibenzofuran	ND	260	110	ug/Kg	1	09/22/21	WB	SW8270D
Diethyl phthalate	ND	260	120	ug/Kg	1	09/22/21	WB	SW8270D
Dimethylphthalate	ND	260	110	ug/Kg	1	09/22/21	WB	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Di-n-butylphthalate	ND	260	98	ug/Kg	1	09/22/21	WB	SW8270D
Di-n-octylphthalate	ND	260	95	ug/Kg	1	09/22/21	WB	SW8270D
Fluoranthene	3900	260	120	ug/Kg	1	09/22/21	WB	SW8270D
Fluorene	140	J 260	120	ug/Kg	1	09/22/21	WB	SW8270D
Hexachlorobenzene	ND	180	110	ug/Kg	1	09/22/21	WB	SW8270D
Hexachlorobutadiene	ND	260	130	ug/Kg	1	09/22/21	WB	SW8270D
Hexachlorocyclopentadiene	ND	260	110	ug/Kg	1	09/22/21	WB	SW8270D
Hexachloroethane	ND	180	110	ug/Kg	1	09/22/21	WB	SW8270D
Indeno(1,2,3-cd)pyrene	1500	260	120	ug/Kg	1	09/22/21	WB	SW8270D
Isophorone	ND	180	100	ug/Kg	1	09/22/21	WB	SW8270D
Naphthalene	110	J 260	110	ug/Kg	1	09/22/21	WB	SW8270D
Nitrobenzene	ND	180	130	ug/Kg	1	09/22/21	WB	SW8270D
N-Nitrosodimethylamine	ND	260	100	ug/Kg	1	09/22/21	WB	SW8270D
N-Nitrosodi-n-propylamine	ND	180	120	ug/Kg	1	09/22/21	WB	SW8270D
N-Nitrosodiphenylamine	ND	260	140	ug/Kg	1	09/22/21	WB	SW8270D
Pentachloronitrobenzene	ND	260	140	ug/Kg	1	09/22/21	WB	SW8270D
Pentachlorophenol	ND	220	140	ug/Kg	1	09/22/21	WB	SW8270D
Phenanthrene	2400	260	110	ug/Kg	1	09/22/21	WB	SW8270D
Phenol	ND	260	120	ug/Kg	1	09/22/21	WB	SW8270D
Pyrene	2800	260	130	ug/Kg	1	09/22/21	WB	SW8270D
Pyridine	ND	260	90	ug/Kg	1	09/22/21	WB	SW8270D
<u>QA/QC Surrogates</u>								
% 2,4,6-Tribromophenol	129			%	1	09/22/21	WB	30 - 130 %
% 2-Fluorobiphenyl	82			%	1	09/22/21	WB	30 - 130 %
% 2-Fluorophenol	49			%	1	09/22/21	WB	30 - 130 %
% Nitrobenzene-d5	81			%	1	09/22/21	WB	30 - 130 %
% Phenol-d5	72			%	1	09/22/21	WB	30 - 130 %
% Terphenyl-d14	81			%	1	09/22/21	WB	30 - 130 %

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

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:

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

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

Pesticide Comment:

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

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

September 28, 2021

Reviewed and Released by: Ethan Lee, Project Manager



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



Analysis Report

September 28, 2021

FOR: Attn: Mr Kevin Brussee
 Brussee Environmental Corp
 14 Evans Lane
 Miller Place, NY 11764

Sample Information

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

Custody Information

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

Date

09/20/21
 09/21/21

Time

10:00
 15:23

Laboratory Data

SDG ID: GCJ33255
 Phoenix ID: CJ33265

Project ID: 188 E 135TH ST BRONX NY
 Client ID: 20B5 (0-2)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	2.38	0.36		mg/Kg	1	09/22/21	EK	SW6010D
Aluminum	7120	36		mg/Kg	10	09/22/21	EK	SW6010D
Arsenic	23.6	0.73		mg/Kg	1	09/22/21	EK	SW6010D
Barium	1330	0.7		mg/Kg	1	09/22/21	EK	SW6010D
Beryllium	0.33	0.29		mg/Kg	1	09/22/21	EK	SW6010D
Calcium	26200	36		mg/Kg	10	09/22/21	EK	SW6010D
Cadmium	67.9	0.36		mg/Kg	1	09/22/21	EK	SW6010D
Cobalt	22.9	0.36		mg/Kg	1	09/22/21	EK	SW6010D
Chromium	138	0.36		mg/Kg	1	09/22/21	EK	SW6010D
Copper	476	7.3		mg/kg	10	09/22/21	EK	SW6010D
Iron	86100	36		mg/Kg	10	09/22/21	EK	SW6010D
Mercury	8.05	1.5		mg/Kg	100	09/22/21	AP	SW7471B
Potassium	1510	7		mg/Kg	1	09/22/21	EK	SW6010D
Magnesium	4230	3.6		mg/Kg	1	09/22/21	EK	SW6010D
Manganese	590	3.6		mg/Kg	10	09/22/21	EK	SW6010D
Sodium	535	7		mg/Kg	1	09/22/21	EK	SW6010D
Nickel	91.4	0.36		mg/Kg	1	09/22/21	EK	SW6010D
Lead	6970	7.3		mg/Kg	10	09/22/21	EK	SW6010D
Antimony	44.0	3.6		mg/Kg	1	09/22/21	EK	SW6010D
Selenium	2.1	1.5		mg/Kg	1	09/22/21	EK	SW6010D
Thallium	< 1.5	1.5		mg/Kg	1	09/22/21	EK	SW6010D
Vanadium	91.3	0.36		mg/Kg	1	09/22/21	EK	SW6010D
Zinc	4610	73		mg/Kg	100	09/23/21	TH	SW6010D
Percent Solid	85			%		09/21/21	Q	SW846-%Solid

Soil Extraction for PCB	Completed	09/21/21	O/B/E	SW3545A
Soil Extraction for Pesticides	Completed	09/21/21	O/B/E	SW3545A
Field Extraction	Completed	09/20/21		SW5035A

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Mercury Digestion	Completed					09/22/21	AB/AB	SW7471B
Soil Extraction for SVOA	Completed					09/21/21	R/K	SW3546
Total Metals Digest	Completed					09/21/21	M/AG/BF	SW3050B

Polychlorinated Biphenyls

PCB-1016	ND	770	770	ug/Kg	20	09/23/21	SC	SW8082A
PCB-1221	ND	770	770	ug/Kg	20	09/23/21	SC	SW8082A
PCB-1232	ND	770	770	ug/Kg	20	09/23/21	SC	SW8082A
PCB-1242	ND	770	770	ug/Kg	20	09/23/21	SC	SW8082A
PCB-1248	ND	770	770	ug/Kg	20	09/23/21	SC	SW8082A
PCB-1254	1900	770	770	ug/Kg	20	09/23/21	SC	SW8082A
PCB-1260	ND	770	770	ug/Kg	20	09/23/21	SC	SW8082A
PCB-1262	ND	770	770	ug/Kg	20	09/23/21	SC	SW8082A
PCB-1268	ND	770	770	ug/Kg	20	09/23/21	SC	SW8082A

QA/QC Surrogates

% DCBP	87			%	20	09/23/21	SC	30 - 150 %
% DCBP (Confirmation)	65			%	20	09/23/21	SC	30 - 150 %
% TCMX	67			%	20	09/23/21	SC	30 - 150 %
% TCMX (Confirmation)	81			%	20	09/23/21	SC	30 - 150 %

Pesticides - Soil

4,4' -DDD	ND	450		ug/Kg	10	09/22/21	AW	SW8081B
4,4' -DDE	ND	80		ug/Kg	10	09/22/21	AW	SW8081B
4,4' -DDT	ND	50		ug/Kg	10	09/22/21	AW	SW8081B
a-BHC	ND	38		ug/Kg	10	09/22/21	AW	SW8081B
a-Chlordane	ND	19		ug/Kg	10	09/22/21	AW	SW8081B
Aldrin	ND	19		ug/Kg	10	09/22/21	AW	SW8081B
b-BHC	ND	38		ug/Kg	10	09/22/21	AW	SW8081B
Chlordane	ND	190		ug/Kg	10	09/22/21	AW	SW8081B
d-BHC	ND	38		ug/Kg	10	09/22/21	AW	SW8081B
Dieldrin	ND	30		ug/Kg	10	09/22/21	AW	SW8081B
Endosulfan I	ND	38		ug/Kg	10	09/22/21	AW	SW8081B
Endosulfan II	ND	38		ug/Kg	10	09/22/21	AW	SW8081B
Endosulfan sulfate	ND	38		ug/Kg	10	09/22/21	AW	SW8081B
Endrin	ND	38		ug/Kg	10	09/22/21	AW	SW8081B
Endrin aldehyde	ND	38		ug/Kg	10	09/22/21	AW	SW8081B
Endrin ketone	ND	50		ug/Kg	10	09/22/21	AW	SW8081B
g-BHC	ND	7.7		ug/Kg	10	09/22/21	AW	SW8081B
g-Chlordane	ND	19		ug/Kg	10	09/22/21	AW	SW8081B
Heptachlor	ND	38		ug/Kg	10	09/22/21	AW	SW8081B
Heptachlor epoxide	ND	38		ug/Kg	10	09/22/21	AW	SW8081B
Methoxychlor	ND	190		ug/Kg	10	09/22/21	AW	SW8081B
Toxaphene	ND	770		ug/Kg	10	09/22/21	AW	SW8081B

QA/QC Surrogates

% DCBP	43			%	10	09/22/21	AW	30 - 150 %
% DCBP (Confirmation)	92			%	10	09/22/21	AW	30 - 150 %
% TCMX	61			%	10	09/22/21	AW	30 - 150 %
% TCMX (Confirmation)	79			%	10	09/22/21	AW	30 - 150 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Volatiles								
1,1,1,2-Tetrachloroethane	ND	5.9	1.2	ug/Kg	1	09/23/21	JLI	SW8260C
1,1,1-Trichloroethane	ND	5.9	0.59	ug/Kg	1	09/23/21	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	5.9	1.2	ug/Kg	1	09/23/21	JLI	SW8260C
1,1,2-Trichloroethane	ND	5.9	1.2	ug/Kg	1	09/23/21	JLI	SW8260C
1,1-Dichloroethane	ND	5.9	1.2	ug/Kg	1	09/23/21	JLI	SW8260C
1,1-Dichloroethene	ND	5.9	0.59	ug/Kg	1	09/23/21	JLI	SW8260C
1,1-Dichloropropene	ND	5.9	0.59	ug/Kg	1	09/23/21	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	5.9	1.2	ug/Kg	1	09/23/21	JLI	SW8260C
1,2,3-Trichloropropane	ND	5.9	0.59	ug/Kg	1	09/23/21	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	5.9	1.2	ug/Kg	1	09/23/21	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	5.9	0.59	ug/Kg	1	09/23/21	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	5.9	1.2	ug/Kg	1	09/23/21	JLI	SW8260C
1,2-Dibromoethane	ND	5.9	0.59	ug/Kg	1	09/23/21	JLI	SW8260C
1,2-Dichlorobenzene	ND	5.9	0.59	ug/Kg	1	09/23/21	JLI	SW8260C
1,2-Dichloroethane	ND	5.9	0.59	ug/Kg	1	09/23/21	JLI	SW8260C
1,2-Dichloropropane	ND	5.9	1.2	ug/Kg	1	09/23/21	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	5.9	0.59	ug/Kg	1	09/23/21	JLI	SW8260C
1,3-Dichlorobenzene	ND	5.9	0.59	ug/Kg	1	09/23/21	JLI	SW8260C
1,3-Dichloropropane	ND	5.9	1.2	ug/Kg	1	09/23/21	JLI	SW8260C
1,4-Dichlorobenzene	ND	5.9	0.59	ug/Kg	1	09/23/21	JLI	SW8260C
2,2-Dichloropropane	ND	5.9	0.59	ug/Kg	1	09/23/21	JLI	SW8260C
2-Chlorotoluene	ND	5.9	1.2	ug/Kg	1	09/23/21	JLI	SW8260C
2-Hexanone	ND	30	5.9	ug/Kg	1	09/23/21	JLI	SW8260C
2-Isopropyltoluene	ND	5.9	0.59	ug/Kg	1	09/23/21	JLI	SW8260C
4-Chlorotoluene	ND	5.9	0.59	ug/Kg	1	09/23/21	JLI	SW8260C
4-Methyl-2-pentanone	ND	30	5.9	ug/Kg	1	09/23/21	JLI	SW8260C
Acetone	19	JS 30	5.9	ug/Kg	1	09/23/21	JLI	SW8260C
Acrylonitrile	ND	12	1.2	ug/Kg	1	09/23/21	JLI	SW8260C
Benzene	ND	5.9	0.59	ug/Kg	1	09/23/21	JLI	SW8260C
Bromobenzene	ND	5.9	0.59	ug/Kg	1	09/23/21	JLI	SW8260C
Bromochloromethane	ND	5.9	0.59	ug/Kg	1	09/23/21	JLI	SW8260C
Bromodichloromethane	ND	5.9	1.2	ug/Kg	1	09/23/21	JLI	SW8260C
Bromoform	ND	5.9	1.2	ug/Kg	1	09/23/21	JLI	SW8260C
Bromomethane	ND	5.9	2.4	ug/Kg	1	09/23/21	JLI	SW8260C
Carbon Disulfide	2.2	J 5.9	1.2	ug/Kg	1	09/23/21	JLI	SW8260C
Carbon tetrachloride	ND	5.9	1.2	ug/Kg	1	09/23/21	JLI	SW8260C
Chlorobenzene	ND	5.9	0.59	ug/Kg	1	09/23/21	JLI	SW8260C
Chloroethane	ND	5.9	0.59	ug/Kg	1	09/23/21	JLI	SW8260C
Chloroform	ND	5.9	0.59	ug/Kg	1	09/23/21	JLI	SW8260C
Chloromethane	ND	5.9	1.2	ug/Kg	1	09/23/21	JLI	SW8260C
cis-1,2-Dichloroethene	ND	5.9	0.59	ug/Kg	1	09/23/21	JLI	SW8260C
cis-1,3-Dichloropropene	ND	5.9	0.59	ug/Kg	1	09/23/21	JLI	SW8260C
Dibromochloromethane	ND	5.9	1.2	ug/Kg	1	09/23/21	JLI	SW8260C
Dibromomethane	ND	5.9	1.2	ug/Kg	1	09/23/21	JLI	SW8260C
Dichlorodifluoromethane	ND	5.9	0.59	ug/Kg	1	09/23/21	JLI	SW8260C
Ethylbenzene	ND	5.9	0.59	ug/Kg	1	09/23/21	JLI	SW8260C
Hexachlorobutadiene	ND	5.9	0.59	ug/Kg	1	09/23/21	JLI	SW8260C
Isopropylbenzene	ND	5.9	0.59	ug/Kg	1	09/23/21	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
m&p-Xylene	ND	5.9	1.2	ug/Kg	1	09/23/21	JLI	SW8260C
Methyl Ethyl Ketone	ND	36	5.9	ug/Kg	1	09/23/21	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	12	1.2	ug/Kg	1	09/23/21	JLI	SW8260C
Methylene chloride	ND	5.9	5.9	ug/Kg	1	09/23/21	JLI	SW8260C
Naphthalene	ND	5.9	1.2	ug/Kg	1	09/23/21	JLI	SW8260C
n-Butylbenzene	ND	5.9	0.59	ug/Kg	1	09/23/21	JLI	SW8260C
n-Propylbenzene	ND	5.9	1.2	ug/Kg	1	09/23/21	JLI	SW8260C
o-Xylene	ND	5.9	1.2	ug/Kg	1	09/23/21	JLI	SW8260C
p-Isopropyltoluene	ND	5.9	0.59	ug/Kg	1	09/23/21	JLI	SW8260C
sec-Butylbenzene	ND	5.9	0.59	ug/Kg	1	09/23/21	JLI	SW8260C
Styrene	ND	5.9	0.59	ug/Kg	1	09/23/21	JLI	SW8260C
tert-Butylbenzene	ND	5.9	0.59	ug/Kg	1	09/23/21	JLI	SW8260C
Tetrachloroethene	ND	5.9	1.2	ug/Kg	1	09/23/21	JLI	SW8260C
Tetrahydrofuran (THF)	ND	12	3.0	ug/Kg	1	09/23/21	JLI	SW8260C
Toluene	ND	5.9	0.59	ug/Kg	1	09/23/21	JLI	SW8260C
trans-1,2-Dichloroethene	ND	5.9	0.59	ug/Kg	1	09/23/21	JLI	SW8260C
trans-1,3-Dichloropropene	ND	5.9	0.59	ug/Kg	1	09/23/21	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	12	3.0	ug/Kg	1	09/23/21	JLI	SW8260C
Trichloroethene	ND	5.9	0.59	ug/Kg	1	09/23/21	JLI	SW8260C
Trichlorofluoromethane	ND	5.9	1.2	ug/Kg	1	09/23/21	JLI	SW8260C
Trichlorotrifluoroethane	ND	5.9	0.59	ug/Kg	1	09/23/21	JLI	SW8260C
Vinyl chloride	ND	5.9	0.59	ug/Kg	1	09/23/21	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	100			%	1	09/23/21	JLI	70 - 130 %
% Bromofluorobenzene	94			%	1	09/23/21	JLI	70 - 130 %
% Dibromofluoromethane	95			%	1	09/23/21	JLI	70 - 130 %
% Toluene-d8	98			%	1	09/23/21	JLI	70 - 130 %
<u>1,4-dioxane</u>								
1,4-dioxane	ND	89		ug/kg	1	09/23/21	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	100			%	1	09/23/21	JLI	70 - 130 %
% Bromofluorobenzene	94			%	1	09/23/21	JLI	70 - 130 %
% Dibromofluoromethane	95			%	1	09/23/21	JLI	70 - 130 %
% Toluene-d8	98			%	1	09/23/21	JLI	70 - 130 %
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	24		ug/Kg	1	09/23/21	JLI	SW8260C
Acrolein	ND	5.9		ug/Kg	1	09/23/21	JLI	SW8260C
Acrylonitrile	ND	24		ug/Kg	1	09/23/21	JLI	SW8260C
Tert-butyl alcohol	ND	120		ug/Kg	1	09/23/21	JLI	SW8260C
<u>Semivolatiles</u>								
1,2,4,5-Tetrachlorobenzene	ND	270	130	ug/Kg	1	09/22/21	WB	SW8270D
1,2,4-Trichlorobenzene	220	J 270	110	ug/Kg	1	09/22/21	WB	SW8270D
1,2-Dichlorobenzene	ND	270	110	ug/Kg	1	09/22/21	WB	SW8270D
1,2-Diphenylhydrazine	ND	270	120	ug/Kg	1	09/22/21	WB	SW8270D
1,3-Dichlorobenzene	ND	270	110	ug/Kg	1	09/22/21	WB	SW8270D
1,4-Dichlorobenzene	ND	270	110	ug/Kg	1	09/22/21	WB	SW8270D
2,4,5-Trichlorophenol	ND	270	210	ug/Kg	1	09/22/21	WB	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
2,4,6-Trichlorophenol	ND	190	120	ug/Kg	1	09/22/21	WB	SW8270D
2,4-Dichlorophenol	ND	190	130	ug/Kg	1	09/22/21	WB	SW8270D
2,4-Dimethylphenol	ND	270	94	ug/Kg	1	09/22/21	WB	SW8270D
2,4-Dinitrophenol	ND	270	270	ug/Kg	1	09/22/21	WB	SW8270D
2,4-Dinitrotoluene	ND	190	150	ug/Kg	1	09/22/21	WB	SW8270D
2,6-Dinitrotoluene	ND	190	120	ug/Kg	1	09/22/21	WB	SW8270D
2-Chloronaphthalene	ND	270	110	ug/Kg	1	09/22/21	WB	SW8270D
2-Chlorophenol	ND	270	110	ug/Kg	1	09/22/21	WB	SW8270D
2-Methylnaphthalene	290	270	110	ug/Kg	1	09/22/21	WB	SW8270D
2-Methylphenol (o-cresol)	ND	270	180	ug/Kg	1	09/22/21	WB	SW8270D
2-Nitroaniline	ND	270	270	ug/Kg	1	09/22/21	WB	SW8270D
2-Nitrophenol	ND	270	240	ug/Kg	1	09/22/21	WB	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	270	150	ug/Kg	1	09/22/21	WB	SW8270D
3,3'-Dichlorobenzidine	ND	190	180	ug/Kg	1	09/22/21	WB	SW8270D
3-Nitroaniline	ND	380	760	ug/Kg	1	09/22/21	WB	SW8270D
4,6-Dinitro-2-methylphenol	ND	230	76	ug/Kg	1	09/22/21	WB	SW8270D
4-Bromophenyl phenyl ether	ND	270	110	ug/Kg	1	09/22/21	WB	SW8270D
4-Chloro-3-methylphenol	ND	270	130	ug/Kg	1	09/22/21	WB	SW8270D
4-Chloroaniline	ND	300	180	ug/Kg	1	09/22/21	WB	SW8270D
4-Chlorophenyl phenyl ether	ND	270	130	ug/Kg	1	09/22/21	WB	SW8270D
4-Nitroaniline	ND	380	130	ug/Kg	1	09/22/21	WB	SW8270D
4-Nitrophenol	ND	380	170	ug/Kg	1	09/22/21	WB	SW8270D
Acenaphthene	260	J 270	120	ug/Kg	1	09/22/21	WB	SW8270D
Acenaphthylene	1200	270	110	ug/Kg	1	09/22/21	WB	SW8270D
Acetophenone	ND	270	120	ug/Kg	1	09/22/21	WB	SW8270D
Aniline	ND	300	300	ug/Kg	1	09/22/21	WB	SW8270D
Anthracene	1100	270	120	ug/Kg	1	09/22/21	WB	SW8270D
Benz(a)anthracene	3500	270	130	ug/Kg	1	09/22/21	WB	SW8270D
Benzidine	ND	380	220	ug/Kg	1	09/22/21	WB	SW8270D
Benzo(a)pyrene	3700	190	120	ug/Kg	1	09/22/21	WB	SW8270D
Benzo(b)fluoranthene	4000	270	130	ug/Kg	1	09/22/21	WB	SW8270D
Benzo(ghi)perylene	2700	270	120	ug/Kg	1	09/22/21	WB	SW8270D
Benzo(k)fluoranthene	3600	270	130	ug/Kg	1	09/22/21	WB	SW8270D
Benzoic acid	ND	1900	760	ug/Kg	1	09/22/21	WB	SW8270D
Benzyl butyl phthalate	ND	270	98	ug/Kg	1	09/22/21	WB	SW8270D
Bis(2-chloroethoxy)methane	ND	270	100	ug/Kg	1	09/22/21	WB	SW8270D
Bis(2-chloroethyl)ether	ND	190	100	ug/Kg	1	09/22/21	WB	SW8270D
Bis(2-chloroisopropyl)ether	ND	270	110	ug/Kg	1	09/22/21	WB	SW8270D
Bis(2-ethylhexyl)phthalate	580	270	110	ug/Kg	1	09/22/21	WB	SW8270D
Carbazole	340	190	150	ug/Kg	1	09/22/21	WB	SW8270D
Chrysene	3900	270	130	ug/Kg	1	09/22/21	WB	SW8270D
Dibenz(a,h)anthracene	640	190	120	ug/Kg	1	09/22/21	WB	SW8270D
Dibenzofuran	330	270	110	ug/Kg	1	09/22/21	WB	SW8270D
Diethyl phthalate	ND	270	120	ug/Kg	1	09/22/21	WB	SW8270D
Dimethylphthalate	ND	270	120	ug/Kg	1	09/22/21	WB	SW8270D
Di-n-butylphthalate	140	J 270	100	ug/Kg	1	09/22/21	WB	SW8270D
Di-n-octylphthalate	ND	270	98	ug/Kg	1	09/22/21	WB	SW8270D
Fluoranthene	7500	270	120	ug/Kg	1	09/22/21	WB	SW8270D
Fluorene	380	270	130	ug/Kg	1	09/22/21	WB	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Hexachlorobenzene	ND	190	110	ug/Kg	1	09/22/21	WB	SW8270D
Hexachlorobutadiene	ND	270	140	ug/Kg	1	09/22/21	WB	SW8270D
Hexachlorocyclopentadiene	ND	270	120	ug/Kg	1	09/22/21	WB	SW8270D
Hexachloroethane	ND	190	110	ug/Kg	1	09/22/21	WB	SW8270D
Indeno(1,2,3-cd)pyrene	2800	270	130	ug/Kg	1	09/22/21	WB	SW8270D
Isophorone	ND	190	110	ug/Kg	1	09/22/21	WB	SW8270D
Naphthalene	590	270	110	ug/Kg	1	09/22/21	WB	SW8270D
Nitrobenzene	ND	190	130	ug/Kg	1	09/22/21	WB	SW8270D
N-Nitrosodimethylamine	ND	270	110	ug/Kg	1	09/22/21	WB	SW8270D
N-Nitrosodi-n-propylamine	ND	190	120	ug/Kg	1	09/22/21	WB	SW8270D
N-Nitrosodiphenylamine	ND	270	150	ug/Kg	1	09/22/21	WB	SW8270D
Pentachloronitrobenzene	ND	270	140	ug/Kg	1	09/22/21	WB	SW8270D
Pentachlorophenol	ND	230	140	ug/Kg	1	09/22/21	WB	SW8270D
Phenanthrene	3000	270	110	ug/Kg	1	09/22/21	WB	SW8270D
Phenol	ND	270	120	ug/Kg	1	09/22/21	WB	SW8270D
Pyrene	6400	270	130	ug/Kg	1	09/22/21	WB	SW8270D
Pyridine	ND	270	93	ug/Kg	1	09/22/21	WB	SW8270D
<u>QA/QC Surrogates</u>								
% 2,4,6-Tribromophenol	83			%	1	09/22/21	WB	30 - 130 %
% 2-Fluorobiphenyl	70			%	1	09/22/21	WB	30 - 130 %
% 2-Fluorophenol	50			%	1	09/22/21	WB	30 - 130 %
% Nitrobenzene-d5	83			%	1	09/22/21	WB	30 - 130 %
% Phenol-d5	71			%	1	09/22/21	WB	30 - 130 %
% Terphenyl-d14	73			%	1	09/22/21	WB	30 - 130 %

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

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:

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

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

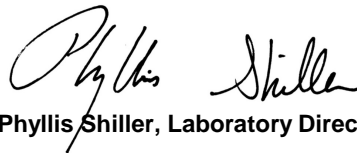
Pesticide Comment:

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

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

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

September 28, 2021

Reviewed and Released by: Ethan Lee, Project Manager



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



Analysis Report

September 28, 2021

FOR: Attn: Mr Kevin Brussee
 Brussee Environmental Corp
 14 Evans Lane
 Miller Place, NY 11764

Sample Information

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

Custody Information

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

Date

09/20/21
 09/21/21

Time

10:05
 15:23

Laboratory Data

SDG ID: GCJ33255
 Phoenix ID: CJ33266

Project ID: 188 E 135TH ST BRONX NY
 Client ID: 20B5 (3-5)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.34	0.34		mg/Kg	1	09/22/21	EK	SW6010D
Aluminum	8730	34		mg/Kg	10	09/22/21	EK	SW6010D
Arsenic	6.27	0.67		mg/Kg	1	09/22/21	EK	SW6010D
Barium	139	0.7		mg/Kg	1	09/22/21	EK	SW6010D
Beryllium	0.42	0.27		mg/Kg	1	09/22/21	EK	SW6010D
Calcium	7310	3.4		mg/Kg	1	09/22/21	EK	SW6010D
Cadmium	0.49	0.34		mg/Kg	1	09/22/21	EK	SW6010D
Cobalt	9.48	0.34		mg/Kg	1	09/22/21	EK	SW6010D
Chromium	18.0	0.34		mg/Kg	1	09/22/21	EK	SW6010D
Copper	35.6	0.7		mg/kg	1	09/22/21	EK	SW6010D
Iron	22100	34		mg/Kg	10	09/22/21	EK	SW6010D
Mercury	0.21	0.03		mg/Kg	2	09/22/21	AP	SW7471B
Potassium	2070	7		mg/Kg	1	09/22/21	EK	SW6010D
Magnesium	3100	3.4		mg/Kg	1	09/22/21	EK	SW6010D
Manganese	270	3.4		mg/Kg	10	09/22/21	EK	SW6010D
Sodium	157	7		mg/Kg	1	09/22/21	EK	SW6010D
Nickel	16.9	0.34		mg/Kg	1	09/22/21	EK	SW6010D
Lead	289	0.7		mg/Kg	1	09/22/21	EK	SW6010D
Antimony	< 3.4	3.4		mg/Kg	1	09/22/21	EK	SW6010D
Selenium	< 1.3	1.3		mg/Kg	1	09/22/21	EK	SW6010D
Thallium	< 1.3	1.3		mg/Kg	1	09/22/21	EK	SW6010D
Vanadium	24.3	0.34		mg/Kg	1	09/22/21	EK	SW6010D
Zinc	175	0.7		mg/Kg	1	09/22/21	EK	SW6010D
Percent Solid	92			%		09/21/21	Q	SW846-%Solid
Soil Extraction for PCB	Completed					09/21/21	O/B/E	SW3545A
Soil Extraction for Pesticides	Completed					09/21/21	O/B/E	SW3545A
Field Extraction	Completed					09/20/21		SW5035A

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Mercury Digestion	Completed					09/22/21	AB/AB	SW7471B
Soil Extraction for SVOA	Completed					09/21/21	R/K	SW3546
Total Metals Digest	Completed					09/21/21	M/AG/BF	SW3050B

Polychlorinated Biphenyls

PCB-1016	ND	71	71	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1221	ND	71	71	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1232	ND	71	71	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1242	ND	71	71	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1248	ND	71	71	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1254	ND	71	71	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1260	ND	71	71	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1262	ND	71	71	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1268	ND	71	71	ug/Kg	2	09/22/21	SC	SW8082A

QA/QC Surrogates

% DCBP	65			%	2	09/22/21	SC	30 - 150 %
% DCBP (Confirmation)	64			%	2	09/22/21	SC	30 - 150 %
% TCMX	60			%	2	09/22/21	SC	30 - 150 %
% TCMX (Confirmation)	62			%	2	09/22/21	SC	30 - 150 %

Pesticides - Soil

4,4' -DDD	ND	2.1		ug/Kg	2	09/22/21	AW	SW8081B
4,4' -DDE	ND	2.1		ug/Kg	2	09/22/21	AW	SW8081B
4,4' -DDT	ND	2.1		ug/Kg	2	09/22/21	AW	SW8081B
a-BHC	ND	7.1		ug/Kg	2	09/22/21	AW	SW8081B
a-Chlordane	ND	3.6		ug/Kg	2	09/22/21	AW	SW8081B
Aldrin	ND	3.6		ug/Kg	2	09/22/21	AW	SW8081B
b-BHC	ND	7.1		ug/Kg	2	09/22/21	AW	SW8081B
Chlordane	ND	36		ug/Kg	2	09/22/21	AW	SW8081B
d-BHC	ND	7.1		ug/Kg	2	09/22/21	AW	SW8081B
Dieldrin	ND	3.6		ug/Kg	2	09/22/21	AW	SW8081B
Endosulfan I	ND	7.1		ug/Kg	2	09/22/21	AW	SW8081B
Endosulfan II	ND	7.1		ug/Kg	2	09/22/21	AW	SW8081B
Endosulfan sulfate	ND	7.1		ug/Kg	2	09/22/21	AW	SW8081B
Endrin	ND	7.1		ug/Kg	2	09/22/21	AW	SW8081B
Endrin aldehyde	ND	7.1		ug/Kg	2	09/22/21	AW	SW8081B
Endrin ketone	ND	7.1		ug/Kg	2	09/22/21	AW	SW8081B
g-BHC	ND	1.4		ug/Kg	2	09/22/21	AW	SW8081B
g-Chlordane	ND	3.6		ug/Kg	2	09/22/21	AW	SW8081B
Heptachlor	ND	7.1		ug/Kg	2	09/22/21	AW	SW8081B
Heptachlor epoxide	ND	7.1		ug/Kg	2	09/22/21	AW	SW8081B
Methoxychlor	ND	36		ug/Kg	2	09/22/21	AW	SW8081B
Toxaphene	ND	140		ug/Kg	2	09/22/21	AW	SW8081B

QA/QC Surrogates

% DCBP	53			%	2	09/22/21	AW	30 - 150 %
% DCBP (Confirmation)	65			%	2	09/22/21	AW	30 - 150 %
% TCMX	54			%	2	09/22/21	AW	30 - 150 %
% TCMX (Confirmation)	57			%	2	09/22/21	AW	30 - 150 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Volatiles								
1,1,1,2-Tetrachloroethane	ND	6.7	1.3	ug/Kg	1	09/23/21	JLI	SW8260C
1,1,1-Trichloroethane	ND	6.7	0.67	ug/Kg	1	09/23/21	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	6.7	1.3	ug/Kg	1	09/23/21	JLI	SW8260C
1,1,2-Trichloroethane	ND	6.7	1.3	ug/Kg	1	09/23/21	JLI	SW8260C
1,1-Dichloroethane	ND	6.7	1.3	ug/Kg	1	09/23/21	JLI	SW8260C
1,1-Dichloroethene	ND	6.7	0.67	ug/Kg	1	09/23/21	JLI	SW8260C
1,1-Dichloropropene	ND	6.7	0.67	ug/Kg	1	09/23/21	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	6.7	1.3	ug/Kg	1	09/23/21	JLI	SW8260C
1,2,3-Trichloropropane	ND	6.7	0.67	ug/Kg	1	09/23/21	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	6.7	1.3	ug/Kg	1	09/23/21	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	6.7	0.67	ug/Kg	1	09/23/21	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	6.7	1.3	ug/Kg	1	09/23/21	JLI	SW8260C
1,2-Dibromoethane	ND	6.7	0.67	ug/Kg	1	09/23/21	JLI	SW8260C
1,2-Dichlorobenzene	ND	6.7	0.67	ug/Kg	1	09/23/21	JLI	SW8260C
1,2-Dichloroethane	ND	6.7	0.67	ug/Kg	1	09/23/21	JLI	SW8260C
1,2-Dichloropropane	ND	6.7	1.3	ug/Kg	1	09/23/21	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	6.7	0.67	ug/Kg	1	09/23/21	JLI	SW8260C
1,3-Dichlorobenzene	ND	6.7	0.67	ug/Kg	1	09/23/21	JLI	SW8260C
1,3-Dichloropropane	ND	6.7	1.3	ug/Kg	1	09/23/21	JLI	SW8260C
1,4-Dichlorobenzene	ND	6.7	0.67	ug/Kg	1	09/23/21	JLI	SW8260C
2,2-Dichloropropane	ND	6.7	0.67	ug/Kg	1	09/23/21	JLI	SW8260C
2-Chlorotoluene	ND	6.7	1.3	ug/Kg	1	09/23/21	JLI	SW8260C
2-Hexanone	ND	33	6.7	ug/Kg	1	09/23/21	JLI	SW8260C
2-Isopropyltoluene	ND	6.7	0.67	ug/Kg	1	09/23/21	JLI	SW8260C
4-Chlorotoluene	ND	6.7	0.67	ug/Kg	1	09/23/21	JLI	SW8260C
4-Methyl-2-pentanone	ND	33	6.7	ug/Kg	1	09/23/21	JLI	SW8260C
Acetone	26	JS 33	6.7	ug/Kg	1	09/23/21	JLI	SW8260C
Acrylonitrile	ND	13	1.3	ug/Kg	1	09/23/21	JLI	SW8260C
Benzene	ND	6.7	0.67	ug/Kg	1	09/23/21	JLI	SW8260C
Bromobenzene	ND	6.7	0.67	ug/Kg	1	09/23/21	JLI	SW8260C
Bromochloromethane	ND	6.7	0.67	ug/Kg	1	09/23/21	JLI	SW8260C
Bromodichloromethane	ND	6.7	1.3	ug/Kg	1	09/23/21	JLI	SW8260C
Bromoform	ND	6.7	1.3	ug/Kg	1	09/23/21	JLI	SW8260C
Bromomethane	ND	6.7	2.7	ug/Kg	1	09/23/21	JLI	SW8260C
Carbon Disulfide	ND	6.7	1.3	ug/Kg	1	09/23/21	JLI	SW8260C
Carbon tetrachloride	ND	6.7	1.3	ug/Kg	1	09/23/21	JLI	SW8260C
Chlorobenzene	ND	6.7	0.67	ug/Kg	1	09/23/21	JLI	SW8260C
Chloroethane	ND	6.7	0.67	ug/Kg	1	09/23/21	JLI	SW8260C
Chloroform	ND	6.7	0.67	ug/Kg	1	09/23/21	JLI	SW8260C
Chloromethane	ND	6.7	1.3	ug/Kg	1	09/23/21	JLI	SW8260C
cis-1,2-Dichloroethene	ND	6.7	0.67	ug/Kg	1	09/23/21	JLI	SW8260C
cis-1,3-Dichloropropene	ND	6.7	0.67	ug/Kg	1	09/23/21	JLI	SW8260C
Dibromochloromethane	ND	6.7	1.3	ug/Kg	1	09/23/21	JLI	SW8260C
Dibromomethane	ND	6.7	1.3	ug/Kg	1	09/23/21	JLI	SW8260C
Dichlorodifluoromethane	ND	6.7	0.67	ug/Kg	1	09/23/21	JLI	SW8260C
Ethylbenzene	ND	6.7	0.67	ug/Kg	1	09/23/21	JLI	SW8260C
Hexachlorobutadiene	ND	6.7	0.67	ug/Kg	1	09/23/21	JLI	SW8260C
Isopropylbenzene	ND	6.7	0.67	ug/Kg	1	09/23/21	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
m&p-Xylene	ND	6.7	1.3	ug/Kg	1	09/23/21	JLI	SW8260C
Methyl Ethyl Ketone	ND	40	6.7	ug/Kg	1	09/23/21	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	13	1.3	ug/Kg	1	09/23/21	JLI	SW8260C
Methylene chloride	ND	6.7	6.7	ug/Kg	1	09/23/21	JLI	SW8260C
Naphthalene	ND	6.7	1.3	ug/Kg	1	09/23/21	JLI	SW8260C
n-Butylbenzene	ND	6.7	0.67	ug/Kg	1	09/23/21	JLI	SW8260C
n-Propylbenzene	ND	6.7	1.3	ug/Kg	1	09/23/21	JLI	SW8260C
o-Xylene	ND	6.7	1.3	ug/Kg	1	09/23/21	JLI	SW8260C
p-Isopropyltoluene	ND	6.7	0.67	ug/Kg	1	09/23/21	JLI	SW8260C
sec-Butylbenzene	ND	6.7	0.67	ug/Kg	1	09/23/21	JLI	SW8260C
Styrene	ND	6.7	0.67	ug/Kg	1	09/23/21	JLI	SW8260C
tert-Butylbenzene	ND	6.7	0.67	ug/Kg	1	09/23/21	JLI	SW8260C
Tetrachloroethene	ND	6.7	1.3	ug/Kg	1	09/23/21	JLI	SW8260C
Tetrahydrofuran (THF)	ND	13	3.3	ug/Kg	1	09/23/21	JLI	SW8260C
Toluene	ND	6.7	0.67	ug/Kg	1	09/23/21	JLI	SW8260C
trans-1,2-Dichloroethene	ND	6.7	0.67	ug/Kg	1	09/23/21	JLI	SW8260C
trans-1,3-Dichloropropene	ND	6.7	0.67	ug/Kg	1	09/23/21	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	13	3.3	ug/Kg	1	09/23/21	JLI	SW8260C
Trichloroethene	ND	6.7	0.67	ug/Kg	1	09/23/21	JLI	SW8260C
Trichlorofluoromethane	ND	6.7	1.3	ug/Kg	1	09/23/21	JLI	SW8260C
Trichlorotrifluoroethane	ND	6.7	0.67	ug/Kg	1	09/23/21	JLI	SW8260C
Vinyl chloride	ND	6.7	0.67	ug/Kg	1	09/23/21	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	100			%	1	09/23/21	JLI	70 - 130 %
% Bromofluorobenzene	94			%	1	09/23/21	JLI	70 - 130 %
% Dibromofluoromethane	96			%	1	09/23/21	JLI	70 - 130 %
% Toluene-d8	98			%	1	09/23/21	JLI	70 - 130 %
<u>1,4-dioxane</u>								
1,4-dioxane	ND	100		ug/kg	1	09/23/21	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	100			%	1	09/23/21	JLI	70 - 130 %
% Bromofluorobenzene	94			%	1	09/23/21	JLI	70 - 130 %
% Dibromofluoromethane	96			%	1	09/23/21	JLI	70 - 130 %
% Toluene-d8	98			%	1	09/23/21	JLI	70 - 130 %
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	27		ug/Kg	1	09/23/21	JLI	SW8260C
Acrolein	ND	6.7		ug/Kg	1	09/23/21	JLI	SW8260C
Acrylonitrile	ND	27		ug/Kg	1	09/23/21	JLI	SW8260C
Tert-butyl alcohol	ND	130		ug/Kg	1	09/23/21	JLI	SW8260C
<u>Semivolatiles</u>								
1,2,4,5-Tetrachlorobenzene	ND	250	130	ug/Kg	1	09/22/21	WB	SW8270D
1,2,4-Trichlorobenzene	ND	250	110	ug/Kg	1	09/22/21	WB	SW8270D
1,2-Dichlorobenzene	ND	250	100	ug/Kg	1	09/22/21	WB	SW8270D
1,2-Diphenylhydrazine	ND	250	120	ug/Kg	1	09/22/21	WB	SW8270D
1,3-Dichlorobenzene	ND	250	110	ug/Kg	1	09/22/21	WB	SW8270D
1,4-Dichlorobenzene	ND	250	110	ug/Kg	1	09/22/21	WB	SW8270D
2,4,5-Trichlorophenol	ND	250	200	ug/Kg	1	09/22/21	WB	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
2,4,6-Trichlorophenol	ND	180	120	ug/Kg	1	09/22/21	WB	SW8270D
2,4-Dichlorophenol	ND	180	130	ug/Kg	1	09/22/21	WB	SW8270D
2,4-Dimethylphenol	ND	250	90	ug/Kg	1	09/22/21	WB	SW8270D
2,4-Dinitrophenol	ND	250	250	ug/Kg	1	09/22/21	WB	SW8270D
2,4-Dinitrotoluene	ND	180	140	ug/Kg	1	09/22/21	WB	SW8270D
2,6-Dinitrotoluene	ND	180	110	ug/Kg	1	09/22/21	WB	SW8270D
2-Chloronaphthalene	ND	250	100	ug/Kg	1	09/22/21	WB	SW8270D
2-Chlorophenol	ND	250	100	ug/Kg	1	09/22/21	WB	SW8270D
2-Methylnaphthalene	ND	250	110	ug/Kg	1	09/22/21	WB	SW8270D
2-Methylphenol (o-cresol)	ND	250	170	ug/Kg	1	09/22/21	WB	SW8270D
2-Nitroaniline	ND	250	250	ug/Kg	1	09/22/21	WB	SW8270D
2-Nitrophenol	ND	250	230	ug/Kg	1	09/22/21	WB	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	250	140	ug/Kg	1	09/22/21	WB	SW8270D
3,3'-Dichlorobenzidine	ND	180	170	ug/Kg	1	09/22/21	WB	SW8270D
3-Nitroaniline	ND	360	720	ug/Kg	1	09/22/21	WB	SW8270D
4,6-Dinitro-2-methylphenol	ND	220	72	ug/Kg	1	09/22/21	WB	SW8270D
4-Bromophenyl phenyl ether	ND	250	110	ug/Kg	1	09/22/21	WB	SW8270D
4-Chloro-3-methylphenol	ND	250	130	ug/Kg	1	09/22/21	WB	SW8270D
4-Chloroaniline	ND	290	170	ug/Kg	1	09/22/21	WB	SW8270D
4-Chlorophenyl phenyl ether	ND	250	120	ug/Kg	1	09/22/21	WB	SW8270D
4-Nitroaniline	ND	360	120	ug/Kg	1	09/22/21	WB	SW8270D
4-Nitrophenol	ND	360	160	ug/Kg	1	09/22/21	WB	SW8270D
Acenaphthene	ND	250	110	ug/Kg	1	09/22/21	WB	SW8270D
Acenaphthylene	ND	250	100	ug/Kg	1	09/22/21	WB	SW8270D
Acetophenone	ND	250	110	ug/Kg	1	09/22/21	WB	SW8270D
Aniline	ND	290	290	ug/Kg	1	09/22/21	WB	SW8270D
Anthracene	150	J 250	120	ug/Kg	1	09/22/21	WB	SW8270D
Benz(a)anthracene	460	250	120	ug/Kg	1	09/22/21	WB	SW8270D
Benzidine	ND	360	210	ug/Kg	1	09/22/21	WB	SW8270D
Benzo(a)pyrene	510	180	120	ug/Kg	1	09/22/21	WB	SW8270D
Benzo(b)fluoranthene	420	250	120	ug/Kg	1	09/22/21	WB	SW8270D
Benzo(ghi)perylene	430	250	120	ug/Kg	1	09/22/21	WB	SW8270D
Benzo(k)fluoranthene	470	250	120	ug/Kg	1	09/22/21	WB	SW8270D
Benzoic acid	ND	1800	720	ug/Kg	1	09/22/21	WB	SW8270D
Benzyl butyl phthalate	ND	250	93	ug/Kg	1	09/22/21	WB	SW8270D
Bis(2-chloroethoxy)methane	ND	250	100	ug/Kg	1	09/22/21	WB	SW8270D
Bis(2-chloroethyl)ether	ND	180	98	ug/Kg	1	09/22/21	WB	SW8270D
Bis(2-chloroisopropyl)ether	ND	250	100	ug/Kg	1	09/22/21	WB	SW8270D
Bis(2-ethylhexyl)phthalate	ND	250	100	ug/Kg	1	09/22/21	WB	SW8270D
Carbazole	ND	180	140	ug/Kg	1	09/22/21	WB	SW8270D
Chrysene	500	250	120	ug/Kg	1	09/22/21	WB	SW8270D
Dibenz(a,h)anthracene	120	J 180	120	ug/Kg	1	09/22/21	WB	SW8270D
Dibenzofuran	ND	250	110	ug/Kg	1	09/22/21	WB	SW8270D
Diethyl phthalate	ND	250	110	ug/Kg	1	09/22/21	WB	SW8270D
Dimethylphthalate	ND	250	110	ug/Kg	1	09/22/21	WB	SW8270D
Di-n-butylphthalate	ND	250	96	ug/Kg	1	09/22/21	WB	SW8270D
Di-n-octylphthalate	ND	250	93	ug/Kg	1	09/22/21	WB	SW8270D
Fluoranthene	720	250	120	ug/Kg	1	09/22/21	WB	SW8270D
Fluorene	ND	250	120	ug/Kg	1	09/22/21	WB	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Hexachlorobenzene	ND	180	110	ug/Kg	1	09/22/21	WB	SW8270D
Hexachlorobutadiene	ND	250	130	ug/Kg	1	09/22/21	WB	SW8270D
Hexachlorocyclopentadiene	ND	250	110	ug/Kg	1	09/22/21	WB	SW8270D
Hexachloroethane	ND	180	110	ug/Kg	1	09/22/21	WB	SW8270D
Indeno(1,2,3-cd)pyrene	420	250	120	ug/Kg	1	09/22/21	WB	SW8270D
Isophorone	ND	180	100	ug/Kg	1	09/22/21	WB	SW8270D
Naphthalene	ND	250	100	ug/Kg	1	09/22/21	WB	SW8270D
Nitrobenzene	ND	180	130	ug/Kg	1	09/22/21	WB	SW8270D
N-Nitrosodimethylamine	ND	250	100	ug/Kg	1	09/22/21	WB	SW8270D
N-Nitrosodi-n-propylamine	ND	180	120	ug/Kg	1	09/22/21	WB	SW8270D
N-Nitrosodiphenylamine	ND	250	140	ug/Kg	1	09/22/21	WB	SW8270D
Pentachloronitrobenzene	ND	250	130	ug/Kg	1	09/22/21	WB	SW8270D
Pentachlorophenol	ND	220	140	ug/Kg	1	09/22/21	WB	SW8270D
Phenanthrene	600	250	100	ug/Kg	1	09/22/21	WB	SW8270D
Phenol	ND	250	120	ug/Kg	1	09/22/21	WB	SW8270D
Pyrene	660	250	120	ug/Kg	1	09/22/21	WB	SW8270D
Pyridine	ND	250	89	ug/Kg	1	09/22/21	WB	SW8270D
<u>QA/QC Surrogates</u>								
% 2,4,6-Tribromophenol	140			%	1	09/22/21	WB	30 - 130 %
% 2-Fluorobiphenyl	89			%	1	09/22/21	WB	30 - 130 %
% 2-Fluorophenol	46			%	1	09/22/21	WB	30 - 130 %
% Nitrobenzene-d5	91			%	1	09/22/21	WB	30 - 130 %
% Phenol-d5	73			%	1	09/22/21	WB	30 - 130 %
% Terphenyl-d14	73			%	1	09/22/21	WB	30 - 130 %

3

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

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:

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

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

Semi-Volatile Comment:

One of the surrogate recoveries was above the upper range due to sample matrix interference. The other surrogates associated with this sample were within QA/QC criteria. No significant bias is suspected.

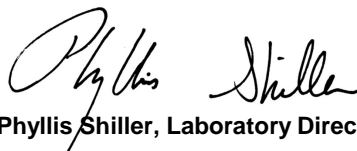
Volatile Comment:

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

September 28, 2021

Reviewed and Released by: Ethan Lee, Project Manager



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



Analysis Report

September 28, 2021

FOR: Attn: Mr Kevin Brussee
 Brussee Environmental Corp
 14 Evans Lane
 Miller Place, NY 11764

Sample Information

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

Custody Information

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

Date Time
 09/20/21 10:30
 09/21/21 15:23

Laboratory Data

SDG ID: GCJ33255
 Phoenix ID: CJ33267

Project ID: 188 E 135TH ST BRONX NY
 Client ID: 20B7 (0-5)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.35	0.35		mg/Kg	1	09/22/21	EK	SW6010D
Aluminum	6540	35		mg/Kg	10	09/22/21	EK	SW6010D
Arsenic	35.1	0.69		mg/Kg	1	09/22/21	EK	SW6010D
Barium	451	0.7		mg/Kg	1	09/22/21	EK	SW6010D
Beryllium	0.95	0.28		mg/Kg	1	09/22/21	EK	SW6010D
Calcium	48800	35		mg/Kg	10	09/22/21	EK	SW6010D
Cadmium	7.71	0.35		mg/Kg	1	09/22/21	EK	SW6010D
Cobalt	10.0	0.35		mg/Kg	1	09/22/21	EK	SW6010D
Chromium	34.0	0.35		mg/Kg	1	09/22/21	EK	SW6010D
Copper	125	0.7		mg/kg	1	09/22/21	EK	SW6010D
Iron	61000	35		mg/Kg	10	09/22/21	EK	SW6010D
Mercury	0.84	0.03		mg/Kg	2	09/22/21	AP	SW7471B
Potassium	966	7		mg/Kg	1	09/22/21	EK	SW6010D
Magnesium	11000	35		mg/Kg	10	09/22/21	EK	SW6010D
Manganese	437	3.5		mg/Kg	10	09/22/21	EK	SW6010D
Sodium	322	7		mg/Kg	1	09/22/21	EK	SW6010D
Nickel	25.7	0.35		mg/Kg	1	09/22/21	EK	SW6010D
Lead	3360	6.9		mg/Kg	10	09/22/21	EK	SW6010D
Antimony	< 3.5	3.5		mg/Kg	1	09/22/21	EK	SW6010D
Selenium	2.5	1.4		mg/Kg	1	09/22/21	EK	SW6010D
Thallium	< 1.4	1.4		mg/Kg	1	09/22/21	EK	SW6010D
Vanadium	33.0	0.35		mg/Kg	1	09/22/21	EK	SW6010D
Zinc	2120	6.9		mg/Kg	10	09/22/21	EK	SW6010D
Percent Solid	85			%		09/21/21	Q	SW846-%Solid
Soil Extraction for PCB	Completed					09/21/21	O/B/E	SW3545A
Soil Extraction for Pesticides	Completed					09/21/21	O/B/E	SW3545A
Field Extraction	Completed					09/20/21		SW5035A

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Mercury Digestion	Completed					09/22/21	AB/AB	SW7471B
Soil Extraction for SVOA	Completed					09/21/21	R/K	SW3546
Total Metals Digest	Completed					09/21/21	M/AG/BF	SW3050B

Polychlorinated Biphenyls

PCB-1016	ND	76	76	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1221	ND	76	76	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1232	ND	76	76	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1242	ND	76	76	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1248	ND	76	76	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1254	ND	76	76	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1260	ND	76	76	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1262	ND	76	76	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1268	ND	76	76	ug/Kg	2	09/22/21	SC	SW8082A

QA/QC Surrogates

% DCBP	62			%	2	09/22/21	SC	30 - 150 %
% DCBP (Confirmation)	60			%	2	09/22/21	SC	30 - 150 %
% TCMX	55			%	2	09/22/21	SC	30 - 150 %
% TCMX (Confirmation)	58			%	2	09/22/21	SC	30 - 150 %

Pesticides - Soil

4,4' -DDD	ND	2.3		ug/Kg	2	09/22/21	AW	SW8081B
4,4' -DDE	ND	2.3		ug/Kg	2	09/22/21	AW	SW8081B
4,4' -DDT	ND	2.3		ug/Kg	2	09/22/21	AW	SW8081B
a-BHC	ND	7.6		ug/Kg	2	09/22/21	AW	SW8081B
a-Chlordane	ND	3.8		ug/Kg	2	09/22/21	AW	SW8081B
Aldrin	ND	3.8		ug/Kg	2	09/22/21	AW	SW8081B
b-BHC	ND	7.6		ug/Kg	2	09/22/21	AW	SW8081B
Chlordane	ND	38		ug/Kg	2	09/22/21	AW	SW8081B
d-BHC	ND	7.6		ug/Kg	2	09/22/21	AW	SW8081B
Dieldrin	ND	3.8		ug/Kg	2	09/22/21	AW	SW8081B
Endosulfan I	ND	7.6		ug/Kg	2	09/22/21	AW	SW8081B
Endosulfan II	ND	7.6		ug/Kg	2	09/22/21	AW	SW8081B
Endosulfan sulfate	ND	7.6		ug/Kg	2	09/22/21	AW	SW8081B
Endrin	ND	7.6		ug/Kg	2	09/22/21	AW	SW8081B
Endrin aldehyde	ND	7.6		ug/Kg	2	09/22/21	AW	SW8081B
Endrin ketone	ND	7.6		ug/Kg	2	09/22/21	AW	SW8081B
g-BHC	ND	1.5		ug/Kg	2	09/22/21	AW	SW8081B
g-Chlordane	ND	3.8		ug/Kg	2	09/22/21	AW	SW8081B
Heptachlor	ND	7.6		ug/Kg	2	09/22/21	AW	SW8081B
Heptachlor epoxide	ND	7.6		ug/Kg	2	09/22/21	AW	SW8081B
Methoxychlor	ND	38		ug/Kg	2	09/22/21	AW	SW8081B
Toxaphene	ND	150		ug/Kg	2	09/22/21	AW	SW8081B

QA/QC Surrogates

% DCBP	49			%	2	09/22/21	AW	30 - 150 %
% DCBP (Confirmation)	63			%	2	09/22/21	AW	30 - 150 %
% TCMX	50			%	2	09/22/21	AW	30 - 150 %
% TCMX (Confirmation)	56			%	2	09/22/21	AW	30 - 150 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Volatiles								
1,1,1,2-Tetrachloroethane	ND	6.5	1.3	ug/Kg	1	09/23/21	JLI	SW8260C
1,1,1-Trichloroethane	ND	6.5	0.65	ug/Kg	1	09/23/21	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	6.5	1.3	ug/Kg	1	09/23/21	JLI	SW8260C
1,1,2-Trichloroethane	ND	6.5	1.3	ug/Kg	1	09/23/21	JLI	SW8260C
1,1-Dichloroethane	ND	6.5	1.3	ug/Kg	1	09/23/21	JLI	SW8260C
1,1-Dichloroethene	ND	6.5	0.65	ug/Kg	1	09/23/21	JLI	SW8260C
1,1-Dichloropropene	ND	6.5	0.65	ug/Kg	1	09/23/21	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	6.5	1.3	ug/Kg	1	09/23/21	JLI	SW8260C
1,2,3-Trichloropropane	ND	6.5	0.65	ug/Kg	1	09/23/21	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	6.5	1.3	ug/Kg	1	09/23/21	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	6.5	0.65	ug/Kg	1	09/23/21	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	6.5	1.3	ug/Kg	1	09/23/21	JLI	SW8260C
1,2-Dibromoethane	ND	6.5	0.65	ug/Kg	1	09/23/21	JLI	SW8260C
1,2-Dichlorobenzene	ND	6.5	0.65	ug/Kg	1	09/23/21	JLI	SW8260C
1,2-Dichloroethane	ND	6.5	0.65	ug/Kg	1	09/23/21	JLI	SW8260C
1,2-Dichloropropane	ND	6.5	1.3	ug/Kg	1	09/23/21	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	6.5	0.65	ug/Kg	1	09/23/21	JLI	SW8260C
1,3-Dichlorobenzene	ND	6.5	0.65	ug/Kg	1	09/23/21	JLI	SW8260C
1,3-Dichloropropane	ND	6.5	1.3	ug/Kg	1	09/23/21	JLI	SW8260C
1,4-Dichlorobenzene	ND	6.5	0.65	ug/Kg	1	09/23/21	JLI	SW8260C
2,2-Dichloropropane	ND	6.5	0.65	ug/Kg	1	09/23/21	JLI	SW8260C
2-Chlorotoluene	ND	6.5	1.3	ug/Kg	1	09/23/21	JLI	SW8260C
2-Hexanone	ND	32	6.5	ug/Kg	1	09/23/21	JLI	SW8260C
2-Isopropyltoluene	ND	6.5	0.65	ug/Kg	1	09/23/21	JLI	SW8260C
4-Chlorotoluene	ND	6.5	0.65	ug/Kg	1	09/23/21	JLI	SW8260C
4-Methyl-2-pentanone	ND	32	6.5	ug/Kg	1	09/23/21	JLI	SW8260C
Acetone	ND	32	6.5	ug/Kg	1	09/23/21	JLI	SW8260C
Acrylonitrile	ND	13	1.3	ug/Kg	1	09/23/21	JLI	SW8260C
Benzene	ND	6.5	0.65	ug/Kg	1	09/23/21	JLI	SW8260C
Bromobenzene	ND	6.5	0.65	ug/Kg	1	09/23/21	JLI	SW8260C
Bromochloromethane	ND	6.5	0.65	ug/Kg	1	09/23/21	JLI	SW8260C
Bromodichloromethane	ND	6.5	1.3	ug/Kg	1	09/23/21	JLI	SW8260C
Bromoform	ND	6.5	1.3	ug/Kg	1	09/23/21	JLI	SW8260C
Bromomethane	ND	6.5	2.6	ug/Kg	1	09/23/21	JLI	SW8260C
Carbon Disulfide	ND	6.5	1.3	ug/Kg	1	09/23/21	JLI	SW8260C
Carbon tetrachloride	ND	6.5	1.3	ug/Kg	1	09/23/21	JLI	SW8260C
Chlorobenzene	ND	6.5	0.65	ug/Kg	1	09/23/21	JLI	SW8260C
Chloroethane	ND	6.5	0.65	ug/Kg	1	09/23/21	JLI	SW8260C
Chloroform	ND	6.5	0.65	ug/Kg	1	09/23/21	JLI	SW8260C
Chloromethane	ND	6.5	1.3	ug/Kg	1	09/23/21	JLI	SW8260C
cis-1,2-Dichloroethene	ND	6.5	0.65	ug/Kg	1	09/23/21	JLI	SW8260C
cis-1,3-Dichloropropene	ND	6.5	0.65	ug/Kg	1	09/23/21	JLI	SW8260C
Dibromochloromethane	ND	6.5	1.3	ug/Kg	1	09/23/21	JLI	SW8260C
Dibromomethane	ND	6.5	1.3	ug/Kg	1	09/23/21	JLI	SW8260C
Dichlorodifluoromethane	ND	6.5	0.65	ug/Kg	1	09/23/21	JLI	SW8260C
Ethylbenzene	ND	6.5	0.65	ug/Kg	1	09/23/21	JLI	SW8260C
Hexachlorobutadiene	ND	6.5	0.65	ug/Kg	1	09/23/21	JLI	SW8260C
Isopropylbenzene	ND	6.5	0.65	ug/Kg	1	09/23/21	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
m&p-Xylene	ND	6.5	1.3	ug/Kg	1	09/23/21	JLI	SW8260C
Methyl Ethyl Ketone	ND	39	6.5	ug/Kg	1	09/23/21	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	13	1.3	ug/Kg	1	09/23/21	JLI	SW8260C
Methylene chloride	ND	6.5	6.5	ug/Kg	1	09/23/21	JLI	SW8260C
Naphthalene	ND	6.5	1.3	ug/Kg	1	09/23/21	JLI	SW8260C
n-Butylbenzene	ND	6.5	0.65	ug/Kg	1	09/23/21	JLI	SW8260C
n-Propylbenzene	ND	6.5	1.3	ug/Kg	1	09/23/21	JLI	SW8260C
o-Xylene	ND	6.5	1.3	ug/Kg	1	09/23/21	JLI	SW8260C
p-Isopropyltoluene	ND	6.5	0.65	ug/Kg	1	09/23/21	JLI	SW8260C
sec-Butylbenzene	ND	6.5	0.65	ug/Kg	1	09/23/21	JLI	SW8260C
Styrene	ND	6.5	0.65	ug/Kg	1	09/23/21	JLI	SW8260C
tert-Butylbenzene	ND	6.5	0.65	ug/Kg	1	09/23/21	JLI	SW8260C
Tetrachloroethene	ND	6.5	1.3	ug/Kg	1	09/23/21	JLI	SW8260C
Tetrahydrofuran (THF)	ND	13	3.2	ug/Kg	1	09/23/21	JLI	SW8260C
Toluene	ND	6.5	0.65	ug/Kg	1	09/23/21	JLI	SW8260C
trans-1,2-Dichloroethene	ND	6.5	0.65	ug/Kg	1	09/23/21	JLI	SW8260C
trans-1,3-Dichloropropene	ND	6.5	0.65	ug/Kg	1	09/23/21	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	13	3.2	ug/Kg	1	09/23/21	JLI	SW8260C
Trichloroethene	ND	6.5	0.65	ug/Kg	1	09/23/21	JLI	SW8260C
Trichlorofluoromethane	ND	6.5	1.3	ug/Kg	1	09/23/21	JLI	SW8260C
Trichlorotrifluoroethane	ND	6.5	0.65	ug/Kg	1	09/23/21	JLI	SW8260C
Vinyl chloride	ND	6.5	0.65	ug/Kg	1	09/23/21	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	100			%	1	09/23/21	JLI	70 - 130 %
% Bromofluorobenzene	93			%	1	09/23/21	JLI	70 - 130 %
% Dibromofluoromethane	95			%	1	09/23/21	JLI	70 - 130 %
% Toluene-d8	98			%	1	09/23/21	JLI	70 - 130 %
<u>1,4-dioxane</u>								
1,4-dioxane	ND	97		ug/kg	1	09/23/21	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	100			%	1	09/23/21	JLI	70 - 130 %
% Bromofluorobenzene	93			%	1	09/23/21	JLI	70 - 130 %
% Dibromofluoromethane	95			%	1	09/23/21	JLI	70 - 130 %
% Toluene-d8	98			%	1	09/23/21	JLI	70 - 130 %
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	26		ug/Kg	1	09/23/21	JLI	SW8260C
Acrolein	ND	6.5		ug/Kg	1	09/23/21	JLI	SW8260C
Acrylonitrile	ND	26		ug/Kg	1	09/23/21	JLI	SW8260C
Tert-butyl alcohol	ND	130		ug/Kg	1	09/23/21	JLI	SW8260C
<u>Semivolatiles</u>								
1,2,4,5-Tetrachlorobenzene	ND	270	130	ug/Kg	1	09/22/21	WB	SW8270D
1,2,4-Trichlorobenzene	ND	270	110	ug/Kg	1	09/22/21	WB	SW8270D
1,2-Dichlorobenzene	ND	270	110	ug/Kg	1	09/22/21	WB	SW8270D
1,2-Diphenylhydrazine	ND	270	120	ug/Kg	1	09/22/21	WB	SW8270D
1,3-Dichlorobenzene	ND	270	110	ug/Kg	1	09/22/21	WB	SW8270D
1,4-Dichlorobenzene	ND	270	110	ug/Kg	1	09/22/21	WB	SW8270D
2,4,5-Trichlorophenol	ND	270	210	ug/Kg	1	09/22/21	WB	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
2,4,6-Trichlorophenol	ND	190	120	ug/Kg	1	09/22/21	WB	SW8270D
2,4-Dichlorophenol	ND	190	130	ug/Kg	1	09/22/21	WB	SW8270D
2,4-Dimethylphenol	ND	270	94	ug/Kg	1	09/22/21	WB	SW8270D
2,4-Dinitrophenol	ND	270	270	ug/Kg	1	09/22/21	WB	SW8270D
2,4-Dinitrotoluene	ND	190	150	ug/Kg	1	09/22/21	WB	SW8270D
2,6-Dinitrotoluene	ND	190	120	ug/Kg	1	09/22/21	WB	SW8270D
2-Chloronaphthalene	ND	270	110	ug/Kg	1	09/22/21	WB	SW8270D
2-Chlorophenol	ND	270	110	ug/Kg	1	09/22/21	WB	SW8270D
2-Methylnaphthalene	ND	270	110	ug/Kg	1	09/22/21	WB	SW8270D
2-Methylphenol (o-cresol)	ND	270	180	ug/Kg	1	09/22/21	WB	SW8270D
2-Nitroaniline	ND	270	270	ug/Kg	1	09/22/21	WB	SW8270D
2-Nitrophenol	ND	270	240	ug/Kg	1	09/22/21	WB	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	270	150	ug/Kg	1	09/22/21	WB	SW8270D
3,3'-Dichlorobenzidine	ND	190	180	ug/Kg	1	09/22/21	WB	SW8270D
3-Nitroaniline	ND	380	760	ug/Kg	1	09/22/21	WB	SW8270D
4,6-Dinitro-2-methylphenol	ND	230	76	ug/Kg	1	09/22/21	WB	SW8270D
4-Bromophenyl phenyl ether	ND	270	110	ug/Kg	1	09/22/21	WB	SW8270D
4-Chloro-3-methylphenol	ND	270	130	ug/Kg	1	09/22/21	WB	SW8270D
4-Chloroaniline	ND	300	180	ug/Kg	1	09/22/21	WB	SW8270D
4-Chlorophenyl phenyl ether	ND	270	130	ug/Kg	1	09/22/21	WB	SW8270D
4-Nitroaniline	ND	380	130	ug/Kg	1	09/22/21	WB	SW8270D
4-Nitrophenol	ND	380	170	ug/Kg	1	09/22/21	WB	SW8270D
Acenaphthene	190	J 270	120	ug/Kg	1	09/22/21	WB	SW8270D
Acenaphthylene	450	270	110	ug/Kg	1	09/22/21	WB	SW8270D
Acetophenone	ND	270	120	ug/Kg	1	09/22/21	WB	SW8270D
Aniline	ND	300	300	ug/Kg	1	09/22/21	WB	SW8270D
Anthracene	540	270	120	ug/Kg	1	09/22/21	WB	SW8270D
Benz(a)anthracene	2600	270	130	ug/Kg	1	09/22/21	WB	SW8270D
Benzidine	ND	380	220	ug/Kg	1	09/22/21	WB	SW8270D
Benzo(a)pyrene	2600	190	120	ug/Kg	1	09/22/21	WB	SW8270D
Benzo(b)fluoranthene	2600	270	130	ug/Kg	1	09/22/21	WB	SW8270D
Benzo(ghi)perylene	1900	270	120	ug/Kg	1	09/22/21	WB	SW8270D
Benzo(k)fluoranthene	2100	270	130	ug/Kg	1	09/22/21	WB	SW8270D
Benzoic acid	ND	1900	760	ug/Kg	1	09/22/21	WB	SW8270D
Benzyl butyl phthalate	ND	270	98	ug/Kg	1	09/22/21	WB	SW8270D
Bis(2-chloroethoxy)methane	ND	270	100	ug/Kg	1	09/22/21	WB	SW8270D
Bis(2-chloroethyl)ether	ND	190	100	ug/Kg	1	09/22/21	WB	SW8270D
Bis(2-chloroisopropyl)ether	ND	270	110	ug/Kg	1	09/22/21	WB	SW8270D
Bis(2-ethylhexyl)phthalate	ND	270	110	ug/Kg	1	09/22/21	WB	SW8270D
Carbazole	190	J 190	150	ug/Kg	1	09/22/21	WB	SW8270D
Chrysene	2900	270	130	ug/Kg	1	09/22/21	WB	SW8270D
Dibenz(a,h)anthracene	520	190	120	ug/Kg	1	09/22/21	WB	SW8270D
Dibenzofuran	120	J 270	110	ug/Kg	1	09/22/21	WB	SW8270D
Diethyl phthalate	ND	270	120	ug/Kg	1	09/22/21	WB	SW8270D
Dimethylphthalate	ND	270	120	ug/Kg	1	09/22/21	WB	SW8270D
Di-n-butylphthalate	ND	270	100	ug/Kg	1	09/22/21	WB	SW8270D
Di-n-octylphthalate	ND	270	98	ug/Kg	1	09/22/21	WB	SW8270D
Fluoranthene	4900	270	120	ug/Kg	1	09/22/21	WB	SW8270D
Fluorene	170	J 270	130	ug/Kg	1	09/22/21	WB	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Hexachlorobenzene	ND	190	110	ug/Kg	1	09/22/21	WB	SW8270D
Hexachlorobutadiene	ND	270	140	ug/Kg	1	09/22/21	WB	SW8270D
Hexachlorocyclopentadiene	ND	270	120	ug/Kg	1	09/22/21	WB	SW8270D
Hexachloroethane	ND	190	110	ug/Kg	1	09/22/21	WB	SW8270D
Indeno(1,2,3-cd)pyrene	2100	270	130	ug/Kg	1	09/22/21	WB	SW8270D
Isophorone	ND	190	110	ug/Kg	1	09/22/21	WB	SW8270D
Naphthalene	190	J 270	110	ug/Kg	1	09/22/21	WB	SW8270D
Nitrobenzene	ND	190	130	ug/Kg	1	09/22/21	WB	SW8270D
N-Nitrosodimethylamine	ND	270	110	ug/Kg	1	09/22/21	WB	SW8270D
N-Nitrosodi-n-propylamine	ND	190	120	ug/Kg	1	09/22/21	WB	SW8270D
N-Nitrosodiphenylamine	ND	270	150	ug/Kg	1	09/22/21	WB	SW8270D
Pentachloronitrobenzene	ND	270	140	ug/Kg	1	09/22/21	WB	SW8270D
Pentachlorophenol	ND	230	140	ug/Kg	1	09/22/21	WB	SW8270D
Phenanthrene	2500	270	110	ug/Kg	1	09/22/21	WB	SW8270D
Phenol	ND	270	120	ug/Kg	1	09/22/21	WB	SW8270D
Pyrene	4400	270	130	ug/Kg	1	09/22/21	WB	SW8270D
Pyridine	ND	270	94	ug/Kg	1	09/22/21	WB	SW8270D
QA/QC Surrogates								
% 2,4,6-Tribromophenol	99			%	1	09/22/21	WB	30 - 130 %
% 2-Fluorobiphenyl	71			%	1	09/22/21	WB	30 - 130 %
% 2-Fluorophenol	36			%	1	09/22/21	WB	30 - 130 %
% Nitrobenzene-d5	85			%	1	09/22/21	WB	30 - 130 %
% Phenol-d5	61			%	1	09/22/21	WB	30 - 130 %
% Terphenyl-d14	72			%	1	09/22/21	WB	30 - 130 %

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.

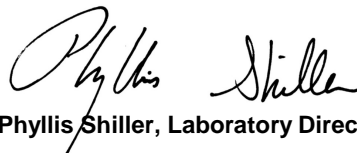
Comments:

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

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

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

If 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

September 28, 2021

Reviewed and Released by: Ethan Lee, Project Manager



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



Analysis Report

September 28, 2021

FOR: Attn: Mr Kevin Brussee
 Brussee Environmental Corp
 14 Evans Lane
 Miller Place, NY 11764

Sample Information

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

Custody Information

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

Date

09/20/21
 09/21/21

Time

10:40
 15:23

Laboratory Data

SDG ID: GCJ33255
 Phoenix ID: CJ33268

Project ID: 188 E 135TH ST BRONX NY
 Client ID: 20B7 (3-5)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.33	0.33		mg/Kg	1	09/22/21	EK	SW6010D
Aluminum	6860	33		mg/Kg	10	09/22/21	EK	SW6010D
Arsenic	9.49	0.67		mg/Kg	1	09/22/21	EK	SW6010D
Barium	147	0.7		mg/Kg	1	09/22/21	EK	SW6010D
Beryllium	0.47	0.27		mg/Kg	1	09/22/21	EK	SW6010D
Calcium	14500	33		mg/Kg	10	09/22/21	EK	SW6010D
Cadmium	2.12	0.33		mg/Kg	1	09/22/21	EK	SW6010D
Cobalt	9.39	0.33		mg/Kg	1	09/22/21	EK	SW6010D
Chromium	19.4	0.33		mg/Kg	1	09/22/21	EK	SW6010D
Copper	152	6.7		mg/kg	10	09/23/21	TH	SW6010D
Iron	26500	33		mg/Kg	10	09/22/21	EK	SW6010D
Mercury	0.55	0.03		mg/Kg	2	09/22/21	AP	SW7471B
Potassium	1440	7		mg/Kg	1	09/22/21	EK	SW6010D
Magnesium	9720	33		mg/Kg	10	09/22/21	EK	SW6010D
Manganese	370	3.3		mg/Kg	10	09/22/21	EK	SW6010D
Sodium	205	7		mg/Kg	1	09/22/21	EK	SW6010D
Nickel	54.3	0.33		mg/Kg	1	09/22/21	EK	SW6010D
Lead	396	0.7		mg/Kg	1	09/22/21	EK	SW6010D
Antimony	< 3.3	3.3		mg/Kg	1	09/22/21	EK	SW6010D
Selenium	< 1.3	1.3		mg/Kg	1	09/22/21	EK	SW6010D
Thallium	< 1.3	1.3		mg/Kg	1	09/22/21	EK	SW6010D
Vanadium	23.9	0.33		mg/Kg	1	09/22/21	EK	SW6010D
Zinc	677	6.7		mg/Kg	10	09/22/21	EK	SW6010D
Percent Solid	90			%		09/21/21	Q	SW846-%Solid
Soil Extraction for PCB	Completed					09/21/21	O/B/E	SW3545A
Soil Extraction for Pesticides	Completed					09/21/21	O/B/E	SW3545A
Field Extraction	Completed					09/20/21		SW5035A

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Mercury Digestion	Completed					09/22/21	AB/AB	SW7471B
Soil Extraction for SVOA	Completed					09/21/21	R/K	SW3546
Total Metals Digest	Completed					09/21/21	M/AG/BF	SW3050B

Polychlorinated Biphenyls

PCB-1016	ND	72	72	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1221	ND	72	72	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1232	ND	72	72	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1242	ND	72	72	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1248	ND	72	72	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1254	ND	72	72	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1260	ND	72	72	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1262	ND	72	72	ug/Kg	2	09/22/21	SC	SW8082A
PCB-1268	ND	72	72	ug/Kg	2	09/22/21	SC	SW8082A

QA/QC Surrogates

% DCBP	70			%	2	09/22/21	SC	30 - 150 %
% DCBP (Confirmation)	60			%	2	09/22/21	SC	30 - 150 %
% TCMX	65			%	2	09/22/21	SC	30 - 150 %
% TCMX (Confirmation)	53			%	2	09/22/21	SC	30 - 150 %

Pesticides - Soil

4,4' -DDD	ND	2.2		ug/Kg	2	09/22/21	AW	SW8081B
4,4' -DDE	ND	2.2		ug/Kg	2	09/22/21	AW	SW8081B
4,4' -DDT	ND	2.2		ug/Kg	2	09/22/21	AW	SW8081B
a-BHC	ND	7.2		ug/Kg	2	09/22/21	AW	SW8081B
a-Chlordane	ND	3.6		ug/Kg	2	09/22/21	AW	SW8081B
Aldrin	ND	3.6		ug/Kg	2	09/22/21	AW	SW8081B
b-BHC	ND	7.2		ug/Kg	2	09/22/21	AW	SW8081B
Chlordane	ND	36		ug/Kg	2	09/22/21	AW	SW8081B
d-BHC	ND	7.2		ug/Kg	2	09/22/21	AW	SW8081B
Dieldrin	ND	3.6		ug/Kg	2	09/22/21	AW	SW8081B
Endosulfan I	ND	7.2		ug/Kg	2	09/22/21	AW	SW8081B
Endosulfan II	ND	7.2		ug/Kg	2	09/22/21	AW	SW8081B
Endosulfan sulfate	ND	7.2		ug/Kg	2	09/22/21	AW	SW8081B
Endrin	ND	7.2		ug/Kg	2	09/22/21	AW	SW8081B
Endrin aldehyde	ND	7.2		ug/Kg	2	09/22/21	AW	SW8081B
Endrin ketone	ND	7.2		ug/Kg	2	09/22/21	AW	SW8081B
g-BHC	ND	1.4		ug/Kg	2	09/22/21	AW	SW8081B
g-Chlordane	ND	3.6		ug/Kg	2	09/22/21	AW	SW8081B
Heptachlor	ND	7.2		ug/Kg	2	09/22/21	AW	SW8081B
Heptachlor epoxide	ND	7.2		ug/Kg	2	09/22/21	AW	SW8081B
Methoxychlor	ND	36		ug/Kg	2	09/22/21	AW	SW8081B
Toxaphene	ND	140		ug/Kg	2	09/22/21	AW	SW8081B

QA/QC Surrogates

% DCBP	54			%	2	09/22/21	AW	30 - 150 %
% DCBP (Confirmation)	76			%	2	09/22/21	AW	30 - 150 %
% TCMX	53			%	2	09/22/21	AW	30 - 150 %
% TCMX (Confirmation)	62			%	2	09/22/21	AW	30 - 150 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Volatiles								
1,1,1,2-Tetrachloroethane	ND	4.5	0.90	ug/Kg	1	09/23/21	JLI	SW8260C
1,1,1-Trichloroethane	ND	4.5	0.45	ug/Kg	1	09/23/21	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	4.5	0.90	ug/Kg	1	09/23/21	JLI	SW8260C
1,1,2-Trichloroethane	ND	4.5	0.90	ug/Kg	1	09/23/21	JLI	SW8260C
1,1-Dichloroethane	ND	4.5	0.90	ug/Kg	1	09/23/21	JLI	SW8260C
1,1-Dichloroethene	ND	4.5	0.45	ug/Kg	1	09/23/21	JLI	SW8260C
1,1-Dichloropropene	ND	4.5	0.45	ug/Kg	1	09/23/21	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	4.5	0.90	ug/Kg	1	09/23/21	JLI	SW8260C
1,2,3-Trichloropropane	ND	4.5	0.45	ug/Kg	1	09/23/21	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	4.5	0.90	ug/Kg	1	09/23/21	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	4.5	0.45	ug/Kg	1	09/23/21	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	4.5	0.90	ug/Kg	1	09/23/21	JLI	SW8260C
1,2-Dibromoethane	ND	4.5	0.45	ug/Kg	1	09/23/21	JLI	SW8260C
1,2-Dichlorobenzene	ND	4.5	0.45	ug/Kg	1	09/23/21	JLI	SW8260C
1,2-Dichloroethane	ND	4.5	0.45	ug/Kg	1	09/23/21	JLI	SW8260C
1,2-Dichloropropane	ND	4.5	0.90	ug/Kg	1	09/23/21	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	4.5	0.45	ug/Kg	1	09/23/21	JLI	SW8260C
1,3-Dichlorobenzene	ND	4.5	0.45	ug/Kg	1	09/23/21	JLI	SW8260C
1,3-Dichloropropane	ND	4.5	0.90	ug/Kg	1	09/23/21	JLI	SW8260C
1,4-Dichlorobenzene	ND	4.5	0.45	ug/Kg	1	09/23/21	JLI	SW8260C
2,2-Dichloropropane	ND	4.5	0.45	ug/Kg	1	09/23/21	JLI	SW8260C
2-Chlorotoluene	ND	4.5	0.90	ug/Kg	1	09/23/21	JLI	SW8260C
2-Hexanone	ND	23	4.5	ug/Kg	1	09/23/21	JLI	SW8260C
2-Isopropyltoluene	ND	4.5	0.45	ug/Kg	1	09/23/21	JLI	SW8260C
4-Chlorotoluene	ND	4.5	0.45	ug/Kg	1	09/23/21	JLI	SW8260C
4-Methyl-2-pentanone	ND	23	4.5	ug/Kg	1	09/23/21	JLI	SW8260C
Acetone	ND	23	4.5	ug/Kg	1	09/23/21	JLI	SW8260C
Acrylonitrile	ND	9.0	0.90	ug/Kg	1	09/23/21	JLI	SW8260C
Benzene	ND	4.5	0.45	ug/Kg	1	09/23/21	JLI	SW8260C
Bromobenzene	ND	4.5	0.45	ug/Kg	1	09/23/21	JLI	SW8260C
Bromochloromethane	ND	4.5	0.45	ug/Kg	1	09/23/21	JLI	SW8260C
Bromodichloromethane	ND	4.5	0.90	ug/Kg	1	09/23/21	JLI	SW8260C
Bromoform	ND	4.5	0.90	ug/Kg	1	09/23/21	JLI	SW8260C
Bromomethane	ND	4.5	1.8	ug/Kg	1	09/23/21	JLI	SW8260C
Carbon Disulfide	ND	4.5	0.90	ug/Kg	1	09/23/21	JLI	SW8260C
Carbon tetrachloride	ND	4.5	0.90	ug/Kg	1	09/23/21	JLI	SW8260C
Chlorobenzene	ND	4.5	0.45	ug/Kg	1	09/23/21	JLI	SW8260C
Chloroethane	ND	4.5	0.45	ug/Kg	1	09/23/21	JLI	SW8260C
Chloroform	ND	4.5	0.45	ug/Kg	1	09/23/21	JLI	SW8260C
Chloromethane	ND	4.5	0.90	ug/Kg	1	09/23/21	JLI	SW8260C
cis-1,2-Dichloroethene	ND	4.5	0.45	ug/Kg	1	09/23/21	JLI	SW8260C
cis-1,3-Dichloropropene	ND	4.5	0.45	ug/Kg	1	09/23/21	JLI	SW8260C
Dibromochloromethane	ND	4.5	0.90	ug/Kg	1	09/23/21	JLI	SW8260C
Dibromomethane	ND	4.5	0.90	ug/Kg	1	09/23/21	JLI	SW8260C
Dichlorodifluoromethane	ND	4.5	0.45	ug/Kg	1	09/23/21	JLI	SW8260C
Ethylbenzene	ND	4.5	0.45	ug/Kg	1	09/23/21	JLI	SW8260C
Hexachlorobutadiene	ND	4.5	0.45	ug/Kg	1	09/23/21	JLI	SW8260C
Isopropylbenzene	ND	4.5	0.45	ug/Kg	1	09/23/21	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
m&p-Xylene	ND	4.5	0.90	ug/Kg	1	09/23/21	JLI	SW8260C
Methyl Ethyl Ketone	ND	27	4.5	ug/Kg	1	09/23/21	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	9.0	0.90	ug/Kg	1	09/23/21	JLI	SW8260C
Methylene chloride	ND	4.5	4.5	ug/Kg	1	09/23/21	JLI	SW8260C
Naphthalene	ND	4.5	0.90	ug/Kg	1	09/23/21	JLI	SW8260C
n-Butylbenzene	ND	4.5	0.45	ug/Kg	1	09/23/21	JLI	SW8260C
n-Propylbenzene	ND	4.5	0.90	ug/Kg	1	09/23/21	JLI	SW8260C
o-Xylene	ND	4.5	0.90	ug/Kg	1	09/23/21	JLI	SW8260C
p-Isopropyltoluene	ND	4.5	0.45	ug/Kg	1	09/23/21	JLI	SW8260C
sec-Butylbenzene	ND	4.5	0.45	ug/Kg	1	09/23/21	JLI	SW8260C
Styrene	ND	4.5	0.45	ug/Kg	1	09/23/21	JLI	SW8260C
tert-Butylbenzene	ND	4.5	0.45	ug/Kg	1	09/23/21	JLI	SW8260C
Tetrachloroethene	ND	4.5	0.90	ug/Kg	1	09/23/21	JLI	SW8260C
Tetrahydrofuran (THF)	ND	9.0	2.3	ug/Kg	1	09/23/21	JLI	SW8260C
Toluene	ND	4.5	0.45	ug/Kg	1	09/23/21	JLI	SW8260C
trans-1,2-Dichloroethene	ND	4.5	0.45	ug/Kg	1	09/23/21	JLI	SW8260C
trans-1,3-Dichloropropene	ND	4.5	0.45	ug/Kg	1	09/23/21	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	9.0	2.3	ug/Kg	1	09/23/21	JLI	SW8260C
Trichloroethene	ND	4.5	0.45	ug/Kg	1	09/23/21	JLI	SW8260C
Trichlorofluoromethane	ND	4.5	0.90	ug/Kg	1	09/23/21	JLI	SW8260C
Trichlorotrifluoroethane	ND	4.5	0.45	ug/Kg	1	09/23/21	JLI	SW8260C
Vinyl chloride	ND	4.5	0.45	ug/Kg	1	09/23/21	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	99			%	1	09/23/21	JLI	70 - 130 %
% Bromofluorobenzene	95			%	1	09/23/21	JLI	70 - 130 %
% Dibromofluoromethane	96			%	1	09/23/21	JLI	70 - 130 %
% Toluene-d8	98			%	1	09/23/21	JLI	70 - 130 %
<u>1,4-dioxane</u>								
1,4-dioxane	ND	68		ug/kg	1	09/23/21	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	99			%	1	09/23/21	JLI	70 - 130 %
% Bromofluorobenzene	95			%	1	09/23/21	JLI	70 - 130 %
% Dibromofluoromethane	96			%	1	09/23/21	JLI	70 - 130 %
% Toluene-d8	98			%	1	09/23/21	JLI	70 - 130 %
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	18		ug/Kg	1	09/23/21	JLI	SW8260C
Acrolein	ND	4.5		ug/Kg	1	09/23/21	JLI	SW8260C
Acrylonitrile	ND	18		ug/Kg	1	09/23/21	JLI	SW8260C
Tert-butyl alcohol	ND	90		ug/Kg	1	09/23/21	JLI	SW8260C
<u>Semivolatiles</u>								
1,2,4,5-Tetrachlorobenzene	ND	260	130	ug/Kg	1	09/22/21	WB	SW8270D
1,2,4-Trichlorobenzene	ND	260	110	ug/Kg	1	09/22/21	WB	SW8270D
1,2-Dichlorobenzene	ND	260	100	ug/Kg	1	09/22/21	WB	SW8270D
1,2-Diphenylhydrazine	ND	260	120	ug/Kg	1	09/22/21	WB	SW8270D
1,3-Dichlorobenzene	ND	260	110	ug/Kg	1	09/22/21	WB	SW8270D
1,4-Dichlorobenzene	ND	260	110	ug/Kg	1	09/22/21	WB	SW8270D
2,4,5-Trichlorophenol	ND	260	200	ug/Kg	1	09/22/21	WB	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
2,4,6-Trichlorophenol	ND	180	120	ug/Kg	1	09/22/21	WB	SW8270D
2,4-Dichlorophenol	ND	180	130	ug/Kg	1	09/22/21	WB	SW8270D
2,4-Dimethylphenol	ND	260	91	ug/Kg	1	09/22/21	WB	SW8270D
2,4-Dinitrophenol	ND	260	260	ug/Kg	1	09/22/21	WB	SW8270D
2,4-Dinitrotoluene	ND	180	140	ug/Kg	1	09/22/21	WB	SW8270D
2,6-Dinitrotoluene	ND	180	120	ug/Kg	1	09/22/21	WB	SW8270D
2-Chloronaphthalene	ND	260	100	ug/Kg	1	09/22/21	WB	SW8270D
2-Chlorophenol	ND	260	100	ug/Kg	1	09/22/21	WB	SW8270D
2-Methylnaphthalene	380	260	110	ug/Kg	1	09/22/21	WB	SW8270D
2-Methylphenol (o-cresol)	ND	260	170	ug/Kg	1	09/22/21	WB	SW8270D
2-Nitroaniline	ND	260	260	ug/Kg	1	09/22/21	WB	SW8270D
2-Nitrophenol	ND	260	230	ug/Kg	1	09/22/21	WB	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	260	140	ug/Kg	1	09/22/21	WB	SW8270D
3,3'-Dichlorobenzidine	ND	180	170	ug/Kg	1	09/22/21	WB	SW8270D
3-Nitroaniline	ND	370	730	ug/Kg	1	09/22/21	WB	SW8270D
4,6-Dinitro-2-methylphenol	ND	220	73	ug/Kg	1	09/22/21	WB	SW8270D
4-Bromophenyl phenyl ether	ND	260	110	ug/Kg	1	09/22/21	WB	SW8270D
4-Chloro-3-methylphenol	ND	260	130	ug/Kg	1	09/22/21	WB	SW8270D
4-Chloroaniline	ND	290	170	ug/Kg	1	09/22/21	WB	SW8270D
4-Chlorophenyl phenyl ether	ND	260	120	ug/Kg	1	09/22/21	WB	SW8270D
4-Nitroaniline	ND	370	120	ug/Kg	1	09/22/21	WB	SW8270D
4-Nitrophenol	ND	370	170	ug/Kg	1	09/22/21	WB	SW8270D
Acenaphthene	1200	260	110	ug/Kg	1	09/22/21	WB	SW8270D
Acenaphthylene	580	260	100	ug/Kg	1	09/22/21	WB	SW8270D
Acetophenone	ND	260	110	ug/Kg	1	09/22/21	WB	SW8270D
Aniline	ND	290	290	ug/Kg	1	09/22/21	WB	SW8270D
Anthracene	2300	260	120	ug/Kg	1	09/22/21	WB	SW8270D
Benz(a)anthracene	5800	260	120	ug/Kg	1	09/22/21	WB	SW8270D
Benzidine	ND	370	220	ug/Kg	1	09/22/21	WB	SW8270D
Benzo(a)pyrene	5200	180	120	ug/Kg	1	09/22/21	WB	SW8270D
Benzo(b)fluoranthene	4900	260	130	ug/Kg	1	09/22/21	WB	SW8270D
Benzo(ghi)perylene	2700	260	120	ug/Kg	1	09/22/21	WB	SW8270D
Benzo(k)fluoranthene	4000	260	120	ug/Kg	1	09/22/21	WB	SW8270D
Benzoic acid	ND	1800	730	ug/Kg	1	09/22/21	WB	SW8270D
Benzyl butyl phthalate	ND	260	94	ug/Kg	1	09/22/21	WB	SW8270D
Bis(2-chloroethoxy)methane	ND	260	100	ug/Kg	1	09/22/21	WB	SW8270D
Bis(2-chloroethyl)ether	ND	180	99	ug/Kg	1	09/22/21	WB	SW8270D
Bis(2-chloroisopropyl)ether	ND	260	100	ug/Kg	1	09/22/21	WB	SW8270D
Bis(2-ethylhexyl)phthalate	ND	260	110	ug/Kg	1	09/22/21	WB	SW8270D
Carbazole	700	180	150	ug/Kg	1	09/22/21	WB	SW8270D
Chrysene	5800	260	120	ug/Kg	1	09/22/21	WB	SW8270D
Dibenz(a,h)anthracene	830	180	120	ug/Kg	1	09/22/21	WB	SW8270D
Dibenzofuran	720	260	110	ug/Kg	1	09/22/21	WB	SW8270D
Diethyl phthalate	ND	260	120	ug/Kg	1	09/22/21	WB	SW8270D
Dimethylphthalate	ND	260	110	ug/Kg	1	09/22/21	WB	SW8270D
Di-n-butylphthalate	ND	260	97	ug/Kg	1	09/22/21	WB	SW8270D
Di-n-octylphthalate	ND	260	94	ug/Kg	1	09/22/21	WB	SW8270D
Fluoranthene	16000	2600	1200	ug/Kg	10	09/22/21	WB	SW8270D
Fluorene	960	260	120	ug/Kg	1	09/22/21	WB	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Hexachlorobenzene	ND	180	110	ug/Kg	1	09/22/21	WB	SW8270D
Hexachlorobutadiene	ND	260	130	ug/Kg	1	09/22/21	WB	SW8270D
Hexachlorocyclopentadiene	ND	260	110	ug/Kg	1	09/22/21	WB	SW8270D
Hexachloroethane	ND	180	110	ug/Kg	1	09/22/21	WB	SW8270D
Indeno(1,2,3-cd)pyrene	3200	260	120	ug/Kg	1	09/22/21	WB	SW8270D
Isophorone	ND	180	100	ug/Kg	1	09/22/21	WB	SW8270D
Naphthalene	690	260	110	ug/Kg	1	09/22/21	WB	SW8270D
Nitrobenzene	ND	180	130	ug/Kg	1	09/22/21	WB	SW8270D
N-Nitrosodimethylamine	ND	260	100	ug/Kg	1	09/22/21	WB	SW8270D
N-Nitrosodi-n-propylamine	ND	180	120	ug/Kg	1	09/22/21	WB	SW8270D
N-Nitrosodiphenylamine	ND	260	140	ug/Kg	1	09/22/21	WB	SW8270D
Pentachloronitrobenzene	ND	260	140	ug/Kg	1	09/22/21	WB	SW8270D
Pentachlorophenol	ND	220	140	ug/Kg	1	09/22/21	WB	SW8270D
Phenanthrene	13000	2600	1000	ug/Kg	10	09/22/21	WB	SW8270D
Phenol	ND	260	120	ug/Kg	1	09/22/21	WB	SW8270D
Pyrene	14000	2600	1300	ug/Kg	10	09/22/21	WB	SW8270D
Pyridine	ND	260	90	ug/Kg	1	09/22/21	WB	SW8270D
<u>QA/QC Surrogates</u>								
% 2,4,6-Tribromophenol	126			%	1	09/22/21	WB	30 - 130 %
% 2-Fluorobiphenyl	79			%	1	09/22/21	WB	30 - 130 %
% 2-Fluorophenol	37			%	1	09/22/21	WB	30 - 130 %
% Nitrobenzene-d5	78			%	1	09/22/21	WB	30 - 130 %
% Phenol-d5	65			%	1	09/22/21	WB	30 - 130 %
% Terphenyl-d14	73			%	1	09/22/21	WB	30 - 130 %
% 2,4,6-Tribromophenol (10x)	Diluted Out			%	10	09/22/21	WB	30 - 130 %
% 2-Fluorobiphenyl (10x)	Diluted Out			%	10	09/22/21	WB	30 - 130 %
% 2-Fluorophenol (10x)	Diluted Out			%	10	09/22/21	WB	30 - 130 %
% Nitrobenzene-d5 (10x)	Diluted Out			%	10	09/22/21	WB	30 - 130 %
% Phenol-d5 (10x)	Diluted Out			%	10	09/22/21	WB	30 - 130 %
% Terphenyl-d14 (10x)	Diluted Out			%	10	09/22/21	WB	30 - 130 %

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

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:

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

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

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

If 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

September 28, 2021

Reviewed and Released by: Ethan Lee, Project Manager



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



Analysis Report

September 28, 2021

FOR: Attn: Mr Kevin Brussee
 Brussee Environmental Corp
 14 Evans Lane
 Miller Place, NY 11764

Sample Information

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

Custody Information

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

Date

09/20/21
 09/21/21

Time

15:23

Laboratory Data

SDG ID: GCJ33255
 Phoenix ID: CJ33269

Project ID: 188 E 135TH ST BRONX NY
 Client ID: DUPLICATE

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.40	0.40		mg/Kg	1	09/22/21	EK	SW6010D
Aluminum	9240	40		mg/Kg	10	09/22/21	EK	SW6010D
Arsenic	6.14	0.80		mg/Kg	1	09/22/21	EK	SW6010D
Barium	132	0.8		mg/Kg	1	09/22/21	EK	SW6010D
Beryllium	0.45	0.32		mg/Kg	1	09/22/21	EK	SW6010D
Calcium	6720	4.0		mg/Kg	1	09/22/21	EK	SW6010D
Cadmium	0.49	0.40		mg/Kg	1	09/22/21	EK	SW6010D
Cobalt	9.76	0.40		mg/Kg	1	09/22/21	EK	SW6010D
Chromium	18.7	0.40		mg/Kg	1	09/22/21	EK	SW6010D
Copper	40.0	0.8		mg/kg	1	09/22/21	EK	SW6010D
Iron	22500	40		mg/Kg	10	09/22/21	EK	SW6010D
Mercury	0.26	0.03		mg/Kg	2	09/22/21	AP	SW7471B
Potassium	2080	8		mg/Kg	1	09/22/21	EK	SW6010D
Magnesium	3160	4.0		mg/Kg	1	09/22/21	EK	SW6010D
Manganese	363	4.0		mg/Kg	10	09/22/21	EK	SW6010D
Sodium	149	8		mg/Kg	1	09/22/21	EK	SW6010D
Nickel	18.0	0.40		mg/Kg	1	09/22/21	EK	SW6010D
Lead	286	0.8		mg/Kg	1	09/22/21	EK	SW6010D
Antimony	< 4.0	4.0		mg/Kg	1	09/22/21	EK	SW6010D
Selenium	< 1.6	1.6		mg/Kg	1	09/22/21	EK	SW6010D
Thallium	< 1.6	1.6		mg/Kg	1	09/22/21	EK	SW6010D
Vanadium	24.6	0.40		mg/Kg	1	09/22/21	EK	SW6010D
Zinc	190	0.8		mg/Kg	1	09/22/21	EK	SW6010D
Percent Solid	89			%		09/21/21	Q	SW846-%Solid
Soil Extraction for PCB	Completed					09/21/21	O/B/E	SW3545A
Soil Extraction for Pesticides	Completed					09/21/21	O/B/E	SW3545A
Field Extraction	Completed					09/20/21		SW5035A

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Mercury Digestion	Completed					09/22/21	AB/AB	SW7471B
Soil Extraction for SVOA	Completed					09/21/21	R/K	SW3546
Total Metals Digest	Completed					09/21/21	M/AG/BF	SW3050B

Polychlorinated Biphenyls

PCB-1016	ND	73	73	ug/Kg	2	09/23/21	SC	SW8082A
PCB-1221	ND	73	73	ug/Kg	2	09/23/21	SC	SW8082A
PCB-1232	ND	73	73	ug/Kg	2	09/23/21	SC	SW8082A
PCB-1242	ND	73	73	ug/Kg	2	09/23/21	SC	SW8082A
PCB-1248	ND	73	73	ug/Kg	2	09/23/21	SC	SW8082A
PCB-1254	ND	73	73	ug/Kg	2	09/23/21	SC	SW8082A
PCB-1260	ND	73	73	ug/Kg	2	09/23/21	SC	SW8082A
PCB-1262	ND	73	73	ug/Kg	2	09/23/21	SC	SW8082A
PCB-1268	ND	73	73	ug/Kg	2	09/23/21	SC	SW8082A

QA/QC Surrogates

% DCBP	68			%	2	09/23/21	SC	30 - 150 %
% DCBP (Confirmation)	68			%	2	09/23/21	SC	30 - 150 %
% TCMX	64			%	2	09/23/21	SC	30 - 150 %
% TCMX (Confirmation)	65			%	2	09/23/21	SC	30 - 150 %

Pesticides - Soil

4,4' -DDD	ND	2.2		ug/Kg	2	09/22/21	AW	SW8081B
4,4' -DDE	ND	2.2		ug/Kg	2	09/22/21	AW	SW8081B
4,4' -DDT	ND	2.2		ug/Kg	2	09/22/21	AW	SW8081B
a-BHC	ND	7.3		ug/Kg	2	09/22/21	AW	SW8081B
a-Chlordane	ND	3.6		ug/Kg	2	09/22/21	AW	SW8081B
Aldrin	ND	3.6		ug/Kg	2	09/22/21	AW	SW8081B
b-BHC	ND	7.3		ug/Kg	2	09/22/21	AW	SW8081B
Chlordane	ND	36		ug/Kg	2	09/22/21	AW	SW8081B
d-BHC	ND	7.3		ug/Kg	2	09/22/21	AW	SW8081B
Dieldrin	ND	3.6		ug/Kg	2	09/22/21	AW	SW8081B
Endosulfan I	ND	7.3		ug/Kg	2	09/22/21	AW	SW8081B
Endosulfan II	ND	7.3		ug/Kg	2	09/22/21	AW	SW8081B
Endosulfan sulfate	ND	7.3		ug/Kg	2	09/22/21	AW	SW8081B
Endrin	ND	7.3		ug/Kg	2	09/22/21	AW	SW8081B
Endrin aldehyde	ND	7.3		ug/Kg	2	09/22/21	AW	SW8081B
Endrin ketone	ND	7.3		ug/Kg	2	09/22/21	AW	SW8081B
g-BHC	ND	1.5		ug/Kg	2	09/22/21	AW	SW8081B
g-Chlordane	ND	3.6		ug/Kg	2	09/22/21	AW	SW8081B
Heptachlor	ND	7.3		ug/Kg	2	09/22/21	AW	SW8081B
Heptachlor epoxide	ND	7.3		ug/Kg	2	09/22/21	AW	SW8081B
Methoxychlor	ND	36		ug/Kg	2	09/22/21	AW	SW8081B
Toxaphene	ND	150		ug/Kg	2	09/22/21	AW	SW8081B

QA/QC Surrogates

% DCBP	67			%	2	09/22/21	AW	30 - 150 %
% DCBP (Confirmation)	90			%	2	09/22/21	AW	30 - 150 %
% TCMX	67			%	2	09/22/21	AW	30 - 150 %
% TCMX (Confirmation)	80			%	2	09/22/21	AW	30 - 150 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Volatiles								
1,1,1,2-Tetrachloroethane	ND	7.5	1.5	ug/Kg	1	09/23/21	JLI	SW8260C
1,1,1-Trichloroethane	ND	7.5	0.75	ug/Kg	1	09/23/21	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	7.5	1.5	ug/Kg	1	09/23/21	JLI	SW8260C
1,1,2-Trichloroethane	ND	7.5	1.5	ug/Kg	1	09/23/21	JLI	SW8260C
1,1-Dichloroethane	ND	7.5	1.5	ug/Kg	1	09/23/21	JLI	SW8260C
1,1-Dichloroethene	ND	7.5	0.75	ug/Kg	1	09/23/21	JLI	SW8260C
1,1-Dichloropropene	ND	7.5	0.75	ug/Kg	1	09/23/21	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	7.5	1.5	ug/Kg	1	09/23/21	JLI	SW8260C
1,2,3-Trichloropropane	ND	7.5	0.75	ug/Kg	1	09/23/21	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	7.5	1.5	ug/Kg	1	09/23/21	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	7.5	0.75	ug/Kg	1	09/23/21	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	7.5	1.5	ug/Kg	1	09/23/21	JLI	SW8260C
1,2-Dibromoethane	ND	7.5	0.75	ug/Kg	1	09/23/21	JLI	SW8260C
1,2-Dichlorobenzene	ND	7.5	0.75	ug/Kg	1	09/23/21	JLI	SW8260C
1,2-Dichloroethane	ND	7.5	0.75	ug/Kg	1	09/23/21	JLI	SW8260C
1,2-Dichloropropane	ND	7.5	1.5	ug/Kg	1	09/23/21	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	7.5	0.75	ug/Kg	1	09/23/21	JLI	SW8260C
1,3-Dichlorobenzene	ND	7.5	0.75	ug/Kg	1	09/23/21	JLI	SW8260C
1,3-Dichloropropane	ND	7.5	1.5	ug/Kg	1	09/23/21	JLI	SW8260C
1,4-Dichlorobenzene	ND	7.5	0.75	ug/Kg	1	09/23/21	JLI	SW8260C
2,2-Dichloropropane	ND	7.5	0.75	ug/Kg	1	09/23/21	JLI	SW8260C
2-Chlorotoluene	ND	7.5	1.5	ug/Kg	1	09/23/21	JLI	SW8260C
2-Hexanone	ND	38	7.5	ug/Kg	1	09/23/21	JLI	SW8260C
2-Isopropyltoluene	ND	7.5	0.75	ug/Kg	1	09/23/21	JLI	SW8260C
4-Chlorotoluene	ND	7.5	0.75	ug/Kg	1	09/23/21	JLI	SW8260C
4-Methyl-2-pentanone	ND	38	7.5	ug/Kg	1	09/23/21	JLI	SW8260C
Acetone	35	JS 38	7.5	ug/Kg	1	09/23/21	JLI	SW8260C
Acrylonitrile	ND	15	1.5	ug/Kg	1	09/23/21	JLI	SW8260C
Benzene	ND	7.5	0.75	ug/Kg	1	09/23/21	JLI	SW8260C
Bromobenzene	ND	7.5	0.75	ug/Kg	1	09/23/21	JLI	SW8260C
Bromochloromethane	ND	7.5	0.75	ug/Kg	1	09/23/21	JLI	SW8260C
Bromodichloromethane	ND	7.5	1.5	ug/Kg	1	09/23/21	JLI	SW8260C
Bromoform	ND	7.5	1.5	ug/Kg	1	09/23/21	JLI	SW8260C
Bromomethane	ND	7.5	3.0	ug/Kg	1	09/23/21	JLI	SW8260C
Carbon Disulfide	ND	7.5	1.5	ug/Kg	1	09/23/21	JLI	SW8260C
Carbon tetrachloride	ND	7.5	1.5	ug/Kg	1	09/23/21	JLI	SW8260C
Chlorobenzene	ND	7.5	0.75	ug/Kg	1	09/23/21	JLI	SW8260C
Chloroethane	ND	7.5	0.75	ug/Kg	1	09/23/21	JLI	SW8260C
Chloroform	ND	7.5	0.75	ug/Kg	1	09/23/21	JLI	SW8260C
Chloromethane	ND	7.5	1.5	ug/Kg	1	09/23/21	JLI	SW8260C
cis-1,2-Dichloroethene	ND	7.5	0.75	ug/Kg	1	09/23/21	JLI	SW8260C
cis-1,3-Dichloropropene	ND	7.5	0.75	ug/Kg	1	09/23/21	JLI	SW8260C
Dibromochloromethane	ND	7.5	1.5	ug/Kg	1	09/23/21	JLI	SW8260C
Dibromomethane	ND	7.5	1.5	ug/Kg	1	09/23/21	JLI	SW8260C
Dichlorodifluoromethane	ND	7.5	0.75	ug/Kg	1	09/23/21	JLI	SW8260C
Ethylbenzene	ND	7.5	0.75	ug/Kg	1	09/23/21	JLI	SW8260C
Hexachlorobutadiene	ND	7.5	0.75	ug/Kg	1	09/23/21	JLI	SW8260C
Isopropylbenzene	ND	7.5	0.75	ug/Kg	1	09/23/21	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
m&p-Xylene	ND	7.5	1.5	ug/Kg	1	09/23/21	JLI	SW8260C
Methyl Ethyl Ketone	ND	45	7.5	ug/Kg	1	09/23/21	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	15	1.5	ug/Kg	1	09/23/21	JLI	SW8260C
Methylene chloride	ND	7.5	7.5	ug/Kg	1	09/23/21	JLI	SW8260C
Naphthalene	ND	7.5	1.5	ug/Kg	1	09/23/21	JLI	SW8260C
n-Butylbenzene	ND	7.5	0.75	ug/Kg	1	09/23/21	JLI	SW8260C
n-Propylbenzene	ND	7.5	1.5	ug/Kg	1	09/23/21	JLI	SW8260C
o-Xylene	ND	7.5	1.5	ug/Kg	1	09/23/21	JLI	SW8260C
p-Isopropyltoluene	ND	7.5	0.75	ug/Kg	1	09/23/21	JLI	SW8260C
sec-Butylbenzene	ND	7.5	0.75	ug/Kg	1	09/23/21	JLI	SW8260C
Styrene	ND	7.5	0.75	ug/Kg	1	09/23/21	JLI	SW8260C
tert-Butylbenzene	ND	7.5	0.75	ug/Kg	1	09/23/21	JLI	SW8260C
Tetrachloroethene	ND	7.5	1.5	ug/Kg	1	09/23/21	JLI	SW8260C
Tetrahydrofuran (THF)	ND	15	3.8	ug/Kg	1	09/23/21	JLI	SW8260C
Toluene	ND	7.5	0.75	ug/Kg	1	09/23/21	JLI	SW8260C
trans-1,2-Dichloroethene	ND	7.5	0.75	ug/Kg	1	09/23/21	JLI	SW8260C
trans-1,3-Dichloropropene	ND	7.5	0.75	ug/Kg	1	09/23/21	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	15	3.8	ug/Kg	1	09/23/21	JLI	SW8260C
Trichloroethene	ND	7.5	0.75	ug/Kg	1	09/23/21	JLI	SW8260C
Trichlorofluoromethane	ND	7.5	1.5	ug/Kg	1	09/23/21	JLI	SW8260C
Trichlorotrifluoroethane	ND	7.5	0.75	ug/Kg	1	09/23/21	JLI	SW8260C
Vinyl chloride	ND	7.5	0.75	ug/Kg	1	09/23/21	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	101			%	1	09/23/21	JLI	70 - 130 %
% Bromofluorobenzene	93			%	1	09/23/21	JLI	70 - 130 %
% Dibromofluoromethane	96			%	1	09/23/21	JLI	70 - 130 %
% Toluene-d8	98			%	1	09/23/21	JLI	70 - 130 %
<u>1,4-dioxane</u>								
1,4-dioxane	ND	100		ug/kg	1	09/23/21	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	101			%	1	09/23/21	JLI	70 - 130 %
% Bromofluorobenzene	93			%	1	09/23/21	JLI	70 - 130 %
% Dibromofluoromethane	96			%	1	09/23/21	JLI	70 - 130 %
% Toluene-d8	98			%	1	09/23/21	JLI	70 - 130 %
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	30		ug/Kg	1	09/23/21	JLI	SW8260C
Acrolein	ND	7.5		ug/Kg	1	09/23/21	JLI	SW8260C
Acrylonitrile	ND	30		ug/Kg	1	09/23/21	JLI	SW8260C
Tert-butyl alcohol	ND	150		ug/Kg	1	09/23/21	JLI	SW8260C
<u>Semivolatiles</u>								
1,2,4,5-Tetrachlorobenzene	ND	260	130	ug/Kg	1	09/22/21	WB	SW8270D
1,2,4-Trichlorobenzene	ND	260	110	ug/Kg	1	09/22/21	WB	SW8270D
1,2-Dichlorobenzene	ND	260	100	ug/Kg	1	09/22/21	WB	SW8270D
1,2-Diphenylhydrazine	ND	260	120	ug/Kg	1	09/22/21	WB	SW8270D
1,3-Dichlorobenzene	ND	260	110	ug/Kg	1	09/22/21	WB	SW8270D
1,4-Dichlorobenzene	ND	260	110	ug/Kg	1	09/22/21	WB	SW8270D
2,4,5-Trichlorophenol	ND	260	200	ug/Kg	1	09/22/21	WB	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
2,4,6-Trichlorophenol	ND	180	120	ug/Kg	1	09/22/21	WB	SW8270D
2,4-Dichlorophenol	ND	180	130	ug/Kg	1	09/22/21	WB	SW8270D
2,4-Dimethylphenol	ND	260	91	ug/Kg	1	09/22/21	WB	SW8270D
2,4-Dinitrophenol	ND	260	260	ug/Kg	1	09/22/21	WB	SW8270D
2,4-Dinitrotoluene	ND	180	140	ug/Kg	1	09/22/21	WB	SW8270D
2,6-Dinitrotoluene	ND	180	120	ug/Kg	1	09/22/21	WB	SW8270D
2-Chloronaphthalene	ND	260	100	ug/Kg	1	09/22/21	WB	SW8270D
2-Chlorophenol	ND	260	100	ug/Kg	1	09/22/21	WB	SW8270D
2-Methylnaphthalene	240	J 260	110	ug/Kg	1	09/22/21	WB	SW8270D
2-Methylphenol (o-cresol)	ND	260	170	ug/Kg	1	09/22/21	WB	SW8270D
2-Nitroaniline	ND	260	260	ug/Kg	1	09/22/21	WB	SW8270D
2-Nitrophenol	ND	260	230	ug/Kg	1	09/22/21	WB	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	260	140	ug/Kg	1	09/22/21	WB	SW8270D
3,3'-Dichlorobenzidine	ND	180	170	ug/Kg	1	09/22/21	WB	SW8270D
3-Nitroaniline	ND	370	730	ug/Kg	1	09/22/21	WB	SW8270D
4,6-Dinitro-2-methylphenol	ND	220	73	ug/Kg	1	09/22/21	WB	SW8270D
4-Bromophenyl phenyl ether	ND	260	110	ug/Kg	1	09/22/21	WB	SW8270D
4-Chloro-3-methylphenol	ND	260	130	ug/Kg	1	09/22/21	WB	SW8270D
4-Chloroaniline	ND	290	170	ug/Kg	1	09/22/21	WB	SW8270D
4-Chlorophenyl phenyl ether	ND	260	120	ug/Kg	1	09/22/21	WB	SW8270D
4-Nitroaniline	ND	370	120	ug/Kg	1	09/22/21	WB	SW8270D
4-Nitrophenol	ND	370	170	ug/Kg	1	09/22/21	WB	SW8270D
Acenaphthene	1000	260	110	ug/Kg	1	09/22/21	WB	SW8270D
Acenaphthylene	ND	260	100	ug/Kg	1	09/22/21	WB	SW8270D
Acetophenone	ND	260	110	ug/Kg	1	09/22/21	WB	SW8270D
Aniline	ND	290	290	ug/Kg	1	09/22/21	WB	SW8270D
Anthracene	1800	260	120	ug/Kg	1	09/22/21	WB	SW8270D
Benz(a)anthracene	3100	260	120	ug/Kg	1	09/22/21	WB	SW8270D
Benzidine	ND	370	220	ug/Kg	1	09/22/21	WB	SW8270D
Benzo(a)pyrene	2700	180	120	ug/Kg	1	09/22/21	WB	SW8270D
Benzo(b)fluoranthene	2500	260	130	ug/Kg	1	09/22/21	WB	SW8270D
Benzo(ghi)perylene	1700	260	120	ug/Kg	1	09/22/21	WB	SW8270D
Benzo(k)fluoranthene	2100	260	120	ug/Kg	1	09/22/21	WB	SW8270D
Benzoic acid	ND	1800	730	ug/Kg	1	09/22/21	WB	SW8270D
Benzyl butyl phthalate	ND	260	94	ug/Kg	1	09/22/21	WB	SW8270D
Bis(2-chloroethoxy)methane	ND	260	100	ug/Kg	1	09/22/21	WB	SW8270D
Bis(2-chloroethyl)ether	ND	180	99	ug/Kg	1	09/22/21	WB	SW8270D
Bis(2-chloroisopropyl)ether	ND	260	100	ug/Kg	1	09/22/21	WB	SW8270D
Bis(2-ethylhexyl)phthalate	ND	260	110	ug/Kg	1	09/22/21	WB	SW8270D
Carbazole	530	180	150	ug/Kg	1	09/22/21	WB	SW8270D
Chrysene	2900	260	120	ug/Kg	1	09/22/21	WB	SW8270D
Dibenz(a,h)anthracene	410	180	120	ug/Kg	1	09/22/21	WB	SW8270D
Dibenzofuran	470	260	110	ug/Kg	1	09/22/21	WB	SW8270D
Diethyl phthalate	ND	260	120	ug/Kg	1	09/22/21	WB	SW8270D
Dimethylphthalate	ND	260	110	ug/Kg	1	09/22/21	WB	SW8270D
Di-n-butylphthalate	ND	260	97	ug/Kg	1	09/22/21	WB	SW8270D
Di-n-octylphthalate	ND	260	94	ug/Kg	1	09/22/21	WB	SW8270D
Fluoranthene	10000	2600	1200	ug/Kg	10	09/22/21	WB	SW8270D
Fluorene	930	260	120	ug/Kg	1	09/22/21	WB	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Hexachlorobenzene	ND	180	110	ug/Kg	1	09/22/21	WB	SW8270D
Hexachlorobutadiene	ND	260	130	ug/Kg	1	09/22/21	WB	SW8270D
Hexachlorocyclopentadiene	ND	260	110	ug/Kg	1	09/22/21	WB	SW8270D
Hexachloroethane	ND	180	110	ug/Kg	1	09/22/21	WB	SW8270D
Indeno(1,2,3-cd)pyrene	2000	260	120	ug/Kg	1	09/22/21	WB	SW8270D
Isophorone	ND	180	100	ug/Kg	1	09/22/21	WB	SW8270D
Naphthalene	350	260	110	ug/Kg	1	09/22/21	WB	SW8270D
Nitrobenzene	ND	180	130	ug/Kg	1	09/22/21	WB	SW8270D
N-Nitrosodimethylamine	ND	260	100	ug/Kg	1	09/22/21	WB	SW8270D
N-Nitrosodi-n-propylamine	ND	180	120	ug/Kg	1	09/22/21	WB	SW8270D
N-Nitrosodiphenylamine	ND	260	140	ug/Kg	1	09/22/21	WB	SW8270D
Pentachloronitrobenzene	ND	260	140	ug/Kg	1	09/22/21	WB	SW8270D
Pentachlorophenol	ND	220	140	ug/Kg	1	09/22/21	WB	SW8270D
Phenanthrene	9500	2600	1000	ug/Kg	10	09/22/21	WB	SW8270D
Phenol	ND	260	120	ug/Kg	1	09/22/21	WB	SW8270D
Pyrene	6500	260	130	ug/Kg	1	09/22/21	WB	SW8270D
Pyridine	ND	260	90	ug/Kg	1	09/22/21	WB	SW8270D
<u>QA/QC Surrogates</u>								
% 2,4,6-Tribromophenol	131			%	1	09/22/21	WB	30 - 130 %
% 2-Fluorobiphenyl	88			%	1	09/22/21	WB	30 - 130 %
% 2-Fluorophenol	45			%	1	09/22/21	WB	30 - 130 %
% Nitrobenzene-d5	88			%	1	09/22/21	WB	30 - 130 %
% Phenol-d5	74			%	1	09/22/21	WB	30 - 130 %
% Terphenyl-d14	77			%	1	09/22/21	WB	30 - 130 %
% 2,4,6-Tribromophenol (10x)	Diluted Out			%	10	09/22/21	WB	30 - 130 %
% 2-Fluorobiphenyl (10x)	Diluted Out			%	10	09/22/21	WB	30 - 130 %
% 2-Fluorophenol (10x)	Diluted Out			%	10	09/22/21	WB	30 - 130 %
% Nitrobenzene-d5 (10x)	Diluted Out			%	10	09/22/21	WB	30 - 130 %
% Phenol-d5 (10x)	Diluted Out			%	10	09/22/21	WB	30 - 130 %
% Terphenyl-d14 (10x)	Diluted Out			%	10	09/22/21	WB	30 - 130 %

3

Client ID: DUPLICATE

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

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:

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

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

Semi-Volatile Comment:

One of the surrogate recoveries was above the upper range due to sample matrix interference. The other surrogates associated with this sample were within QA/QC criteria. No significant bias is suspected.

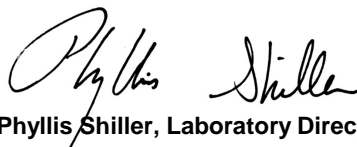
Volatile Comment:

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

September 28, 2021

Reviewed and Released by: Ethan Lee, Project Manager



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



Analysis Report

September 28, 2021

FOR: Attn: Mr Kevin Brussee
 Brussee Environmental Corp
 14 Evans Lane
 Miller Place, NY 11764

Sample Information

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

Custody Information

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

Date Time
 09/20/21
 09/21/21 15:23

Laboratory Data

SDG ID: GCJ33255
 Phoenix ID: CJ33270

Project ID: 188 E 135TH ST BRONX NY
 Client ID: TRIP BLANK LOW

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Field Extraction	Completed					09/20/21		SW5035A	
<u>Volatiles</u>									
1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/Kg	1	09/23/21	JLI	SW8260C	
1,1,1-Trichloroethane	ND	5.0	0.50	ug/Kg	1	09/23/21	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	5.0	1.0	ug/Kg	1	09/23/21	JLI	SW8260C	
1,1,2-Trichloroethane	ND	5.0	1.0	ug/Kg	1	09/23/21	JLI	SW8260C	
1,1-Dichloroethane	ND	5.0	1.0	ug/Kg	1	09/23/21	JLI	SW8260C	
1,1-Dichloroethene	ND	5.0	0.50	ug/Kg	1	09/23/21	JLI	SW8260C	
1,1-Dichloropropene	ND	5.0	0.50	ug/Kg	1	09/23/21	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	5.0	1.0	ug/Kg	1	09/23/21	JLI	SW8260C	
1,2,3-Trichloropropane	ND	5.0	0.50	ug/Kg	1	09/23/21	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	5.0	1.0	ug/Kg	1	09/23/21	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	5.0	0.50	ug/Kg	1	09/23/21	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	5.0	1.0	ug/Kg	1	09/23/21	JLI	SW8260C	
1,2-Dibromoethane	ND	5.0	0.50	ug/Kg	1	09/23/21	JLI	SW8260C	
1,2-Dichlorobenzene	ND	5.0	0.50	ug/Kg	1	09/23/21	JLI	SW8260C	
1,2-Dichloroethane	ND	5.0	0.50	ug/Kg	1	09/23/21	JLI	SW8260C	
1,2-Dichloropropane	ND	5.0	1.0	ug/Kg	1	09/23/21	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	5.0	0.50	ug/Kg	1	09/23/21	JLI	SW8260C	
1,3-Dichlorobenzene	ND	5.0	0.50	ug/Kg	1	09/23/21	JLI	SW8260C	
1,3-Dichloropropane	ND	5.0	1.0	ug/Kg	1	09/23/21	JLI	SW8260C	
1,4-Dichlorobenzene	ND	5.0	0.50	ug/Kg	1	09/23/21	JLI	SW8260C	
2,2-Dichloropropane	ND	5.0	0.50	ug/Kg	1	09/23/21	JLI	SW8260C	
2-Chlorotoluene	ND	5.0	1.0	ug/Kg	1	09/23/21	JLI	SW8260C	
2-Hexanone	ND	25	5.0	ug/Kg	1	09/23/21	JLI	SW8260C	
2-Isopropyltoluene	ND	5.0	0.50	ug/Kg	1	09/23/21	JLI	SW8260C	

Client ID: TRIP BLANK LOW

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
4-Chlorotoluene	ND	5.0	0.50	ug/Kg	1	09/23/21	JLI	SW8260C
4-Methyl-2-pentanone	ND	25	5.0	ug/Kg	1	09/23/21	JLI	SW8260C
Acetone	ND	25	5.0	ug/Kg	1	09/23/21	JLI	SW8260C
Acrylonitrile	ND	10	1.0	ug/Kg	1	09/23/21	JLI	SW8260C
Benzene	ND	5.0	0.50	ug/Kg	1	09/23/21	JLI	SW8260C
Bromobenzene	ND	5.0	0.50	ug/Kg	1	09/23/21	JLI	SW8260C
Bromochloromethane	ND	5.0	0.50	ug/Kg	1	09/23/21	JLI	SW8260C
Bromodichloromethane	ND	5.0	1.0	ug/Kg	1	09/23/21	JLI	SW8260C
Bromoform	ND	5.0	1.0	ug/Kg	1	09/23/21	JLI	SW8260C
Bromomethane	ND	5.0	2.0	ug/Kg	1	09/23/21	JLI	SW8260C
Carbon Disulfide	ND	5.0	1.0	ug/Kg	1	09/23/21	JLI	SW8260C
Carbon tetrachloride	ND	5.0	1.0	ug/Kg	1	09/23/21	JLI	SW8260C
Chlorobenzene	ND	5.0	0.50	ug/Kg	1	09/23/21	JLI	SW8260C
Chloroethane	ND	5.0	0.50	ug/Kg	1	09/23/21	JLI	SW8260C
Chloroform	ND	5.0	0.50	ug/Kg	1	09/23/21	JLI	SW8260C
Chloromethane	ND	5.0	1.0	ug/Kg	1	09/23/21	JLI	SW8260C
cis-1,2-Dichloroethene	ND	5.0	0.50	ug/Kg	1	09/23/21	JLI	SW8260C
cis-1,3-Dichloropropene	ND	5.0	0.50	ug/Kg	1	09/23/21	JLI	SW8260C
Dibromochloromethane	ND	5.0	1.0	ug/Kg	1	09/23/21	JLI	SW8260C
Dibromomethane	ND	5.0	1.0	ug/Kg	1	09/23/21	JLI	SW8260C
Dichlorodifluoromethane	ND	5.0	0.50	ug/Kg	1	09/23/21	JLI	SW8260C
Ethylbenzene	ND	5.0	0.50	ug/Kg	1	09/23/21	JLI	SW8260C
Hexachlorobutadiene	ND	5.0	0.50	ug/Kg	1	09/23/21	JLI	SW8260C
Isopropylbenzene	ND	5.0	0.50	ug/Kg	1	09/23/21	JLI	SW8260C
m&p-Xylene	ND	5.0	1.0	ug/Kg	1	09/23/21	JLI	SW8260C
Methyl Ethyl Ketone	ND	30	5.0	ug/Kg	1	09/23/21	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	10	1.0	ug/Kg	1	09/23/21	JLI	SW8260C
Methylene chloride	ND	5.0	5.0	ug/Kg	1	09/23/21	JLI	SW8260C
Naphthalene	ND	5.0	1.0	ug/Kg	1	09/23/21	JLI	SW8260C
n-Butylbenzene	ND	5.0	0.50	ug/Kg	1	09/23/21	JLI	SW8260C
n-Propylbenzene	ND	5.0	1.0	ug/Kg	1	09/23/21	JLI	SW8260C
o-Xylene	ND	5.0	1.0	ug/Kg	1	09/23/21	JLI	SW8260C
p-Isopropyltoluene	ND	5.0	0.50	ug/Kg	1	09/23/21	JLI	SW8260C
sec-Butylbenzene	ND	5.0	0.50	ug/Kg	1	09/23/21	JLI	SW8260C
Styrene	ND	5.0	0.50	ug/Kg	1	09/23/21	JLI	SW8260C
tert-Butylbenzene	ND	5.0	0.50	ug/Kg	1	09/23/21	JLI	SW8260C
Tetrachloroethene	ND	5.0	1.0	ug/Kg	1	09/23/21	JLI	SW8260C
Tetrahydrofuran (THF)	ND	10	2.5	ug/Kg	1	09/23/21	JLI	SW8260C
Toluene	ND	5.0	0.50	ug/Kg	1	09/23/21	JLI	SW8260C
trans-1,2-Dichloroethene	ND	5.0	0.50	ug/Kg	1	09/23/21	JLI	SW8260C
trans-1,3-Dichloropropene	ND	5.0	0.50	ug/Kg	1	09/23/21	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	10	2.5	ug/Kg	1	09/23/21	JLI	SW8260C
Trichloroethene	ND	5.0	0.50	ug/Kg	1	09/23/21	JLI	SW8260C
Trichlorofluoromethane	ND	5.0	1.0	ug/Kg	1	09/23/21	JLI	SW8260C
Trichlorotrifluoroethane	ND	5.0	0.50	ug/Kg	1	09/23/21	JLI	SW8260C
Vinyl chloride	ND	5.0	0.50	ug/Kg	1	09/23/21	JLI	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	99			%	1	09/23/21	JLI	70 - 130 %
% Bromofluorobenzene	93			%	1	09/23/21	JLI	70 - 130 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Dibromofluoromethane	93			%	1	09/23/21	JLI	70 - 130 %
% Toluene-d8	98			%	1	09/23/21	JLI	70 - 130 %
<u>1,4-dioxane</u>								
1,4-dioxane	ND	75		ug/kg	1	09/23/21	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	99			%	1	09/23/21	JLI	70 - 130 %
% Bromofluorobenzene	93			%	1	09/23/21	JLI	70 - 130 %
% Dibromofluoromethane	93			%	1	09/23/21	JLI	70 - 130 %
% Toluene-d8	98			%	1	09/23/21	JLI	70 - 130 %
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	20		ug/Kg	1	09/23/21	JLI	SW8260C
Acrolein	ND	5.0		ug/Kg	1	09/23/21	JLI	SW8260C
Acrylonitrile	ND	20		ug/Kg	1	09/23/21	JLI	SW8260C
Tert-butyl alcohol	ND	100		ug/Kg	1	09/23/21	JLI	SW8260C

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 (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

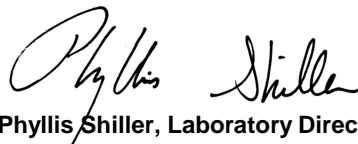
Comments:

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

September 28, 2021

Reviewed and Released by: Ethan Lee, Project Manager



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



Analysis Report
 September 28, 2021

FOR: Attn: Mr Kevin Brussee
 Brussee Environmental Corp
 14 Evans Lane
 Miller Place, NY 11764

Sample Information

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

Custody Information

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

Date Time

09/20/21
 09/21/21 15:23

Laboratory Data

SDG ID: GCJ33255
 Phoenix ID: CJ33271

Project ID: 188 E 135TH ST BRONX NY
 Client ID: TRIP BLANK HIGH

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Field Extraction	Completed					09/20/21		SW5035A	
<u>Volatiles</u>									
1,1,1,2-Tetrachloroethane	ND	250	50	ug/Kg	50	09/22/21	JLI	SW8260C	
1,1,1-Trichloroethane	ND	250	25	ug/Kg	50	09/22/21	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	250	50	ug/Kg	50	09/22/21	JLI	SW8260C	
1,1,2-Trichloroethane	ND	250	50	ug/Kg	50	09/22/21	JLI	SW8260C	
1,1-Dichloroethane	ND	250	50	ug/Kg	50	09/22/21	JLI	SW8260C	
1,1-Dichloroethene	ND	250	25	ug/Kg	50	09/22/21	JLI	SW8260C	
1,1-Dichloropropene	ND	250	25	ug/Kg	50	09/22/21	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	250	50	ug/Kg	50	09/22/21	JLI	SW8260C	
1,2,3-Trichloropropane	ND	250	25	ug/Kg	50	09/22/21	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	250	50	ug/Kg	50	09/22/21	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	250	25	ug/Kg	50	09/22/21	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	250	50	ug/Kg	50	09/22/21	JLI	SW8260C	
1,2-Dibromoethane	ND	250	25	ug/Kg	50	09/22/21	JLI	SW8260C	
1,2-Dichlorobenzene	ND	250	25	ug/Kg	50	09/22/21	JLI	SW8260C	
1,2-Dichloroethane	ND	250	25	ug/Kg	50	09/22/21	JLI	SW8260C	
1,2-Dichloropropane	ND	250	50	ug/Kg	50	09/22/21	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	250	25	ug/Kg	50	09/22/21	JLI	SW8260C	
1,3-Dichlorobenzene	ND	250	25	ug/Kg	50	09/22/21	JLI	SW8260C	
1,3-Dichloropropane	ND	250	50	ug/Kg	50	09/22/21	JLI	SW8260C	
1,4-Dichlorobenzene	ND	250	25	ug/Kg	50	09/22/21	JLI	SW8260C	
2,2-Dichloropropane	ND	250	25	ug/Kg	50	09/22/21	JLI	SW8260C	
2-Chlorotoluene	ND	250	50	ug/Kg	50	09/22/21	JLI	SW8260C	
2-Hexanone	ND	1300	250	ug/Kg	50	09/22/21	JLI	SW8260C	
2-Isopropyltoluene	ND	250	25	ug/Kg	50	09/22/21	JLI	SW8260C	

Client ID: TRIP BLANK HIGH

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
4-Chlorotoluene	ND	250	25	ug/Kg	50	09/22/21	JLI	SW8260C
4-Methyl-2-pentanone	ND	1300	250	ug/Kg	50	09/22/21	JLI	SW8260C
Acetone	ND	1300	250	ug/Kg	50	09/22/21	JLI	SW8260C
Acrylonitrile	ND	500	50	ug/Kg	50	09/22/21	JLI	SW8260C
Benzene	ND	250	25	ug/Kg	50	09/22/21	JLI	SW8260C
Bromobenzene	ND	250	25	ug/Kg	50	09/22/21	JLI	SW8260C
Bromochloromethane	ND	250	25	ug/Kg	50	09/22/21	JLI	SW8260C
Bromodichloromethane	ND	250	50	ug/Kg	50	09/22/21	JLI	SW8260C
Bromoform	ND	250	50	ug/Kg	50	09/22/21	JLI	SW8260C
Bromomethane	ND	250	100	ug/Kg	50	09/22/21	JLI	SW8260C
Carbon Disulfide	ND	250	50	ug/Kg	50	09/22/21	JLI	SW8260C
Carbon tetrachloride	ND	250	50	ug/Kg	50	09/22/21	JLI	SW8260C
Chlorobenzene	ND	250	25	ug/Kg	50	09/22/21	JLI	SW8260C
Chloroethane	ND	250	25	ug/Kg	50	09/22/21	JLI	SW8260C
Chloroform	ND	250	25	ug/Kg	50	09/22/21	JLI	SW8260C
Chloromethane	ND	250	50	ug/Kg	50	09/22/21	JLI	SW8260C
cis-1,2-Dichloroethene	ND	250	25	ug/Kg	50	09/22/21	JLI	SW8260C
cis-1,3-Dichloropropene	ND	250	25	ug/Kg	50	09/22/21	JLI	SW8260C
Dibromochloromethane	ND	250	50	ug/Kg	50	09/22/21	JLI	SW8260C
Dibromomethane	ND	250	50	ug/Kg	50	09/22/21	JLI	SW8260C
Dichlorodifluoromethane	ND	250	25	ug/Kg	50	09/22/21	JLI	SW8260C
Ethylbenzene	ND	250	25	ug/Kg	50	09/22/21	JLI	SW8260C
Hexachlorobutadiene	ND	250	25	ug/Kg	50	09/22/21	JLI	SW8260C
Isopropylbenzene	ND	250	25	ug/Kg	50	09/22/21	JLI	SW8260C
m&p-Xylene	ND	250	50	ug/Kg	50	09/22/21	JLI	SW8260C
Methyl Ethyl Ketone	ND	1500	250	ug/Kg	50	09/22/21	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	500	50	ug/Kg	50	09/22/21	JLI	SW8260C
Methylene chloride	ND	250	250	ug/Kg	50	09/22/21	JLI	SW8260C
Naphthalene	ND	250	50	ug/Kg	50	09/22/21	JLI	SW8260C
n-Butylbenzene	ND	250	25	ug/Kg	50	09/22/21	JLI	SW8260C
n-Propylbenzene	ND	250	50	ug/Kg	50	09/22/21	JLI	SW8260C
o-Xylene	ND	250	50	ug/Kg	50	09/22/21	JLI	SW8260C
p-Isopropyltoluene	ND	250	25	ug/Kg	50	09/22/21	JLI	SW8260C
sec-Butylbenzene	ND	250	25	ug/Kg	50	09/22/21	JLI	SW8260C
Styrene	ND	250	25	ug/Kg	50	09/22/21	JLI	SW8260C
tert-Butylbenzene	ND	250	25	ug/Kg	50	09/22/21	JLI	SW8260C
Tetrachloroethene	ND	250	50	ug/Kg	50	09/22/21	JLI	SW8260C
Tetrahydrofuran (THF)	ND	500	130	ug/Kg	50	09/22/21	JLI	SW8260C
Toluene	ND	250	25	ug/Kg	50	09/22/21	JLI	SW8260C
trans-1,2-Dichloroethene	ND	250	25	ug/Kg	50	09/22/21	JLI	SW8260C
trans-1,3-Dichloropropene	ND	250	25	ug/Kg	50	09/22/21	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	500	130	ug/Kg	50	09/22/21	JLI	SW8260C
Trichloroethene	ND	250	25	ug/Kg	50	09/22/21	JLI	SW8260C
Trichlorofluoromethane	ND	250	50	ug/Kg	50	09/22/21	JLI	SW8260C
Trichlorotrifluoroethane	ND	250	25	ug/Kg	50	09/22/21	JLI	SW8260C
Vinyl chloride	ND	250	25	ug/Kg	50	09/22/21	JLI	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4 (50x)	95			%	50	09/22/21	JLI	70 - 130 %
% Bromofluorobenzene (50x)	97			%	50	09/22/21	JLI	70 - 130 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Dibromofluoromethane (50x)	98			%	50	09/22/21	JLI	70 - 130 %
% Toluene-d8 (50x)	96			%	50	09/22/21	JLI	70 - 130 %
<u>1,4-dioxane</u>								
1,4-dioxane	ND	3800		ug/kg	50	09/22/21	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4 (50x)	95			%	50	09/22/21	JLI	70 - 130 %
% Bromofluorobenzene (50x)	97			%	50	09/22/21	JLI	70 - 130 %
% Dibromofluoromethane (50x)	98			%	50	09/22/21	JLI	70 - 130 %
% Toluene-d8 (50x)	96			%	50	09/22/21	JLI	70 - 130 %
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	1000		ug/Kg	50	09/22/21	JLI	SW8260C
Acrolein	ND	250		ug/Kg	50	09/22/21	JLI	SW8260C
Acrylonitrile	ND	1000		ug/Kg	50	09/22/21	JLI	SW8260C
Tert-butyl alcohol	ND	5000		ug/Kg	50	09/22/21	JLI	SW8260C

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 (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

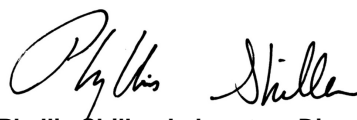
Comments:

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

September 28, 2021

Reviewed and Released by: Ethan Lee, Project Manager



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

September 28, 2021

QA/QC Data

SDG I.D.: GCJ33255

Parameter	Blank	Blk RL	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 593003 (mg/kg), QC Sample No: CJ29167 (CJ33255, CJ33256, CJ33257, CJ33258, CJ33259, CJ33260, CJ33261, CJ33262, CJ33263, CJ33264, CJ33265, CJ33266, CJ33267, CJ33268, CJ33269)													
Mercury - Soil	BRL	0.03	<0.03	<0.03	NC	94.5	99.7	5.4	93.4	100	6.8	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 592905 (mg/kg), QC Sample No: CJ32650 (CJ33255, CJ33256, CJ33257, CJ33258, CJ33259)

ICP Metals - Soil

Aluminum	BRL	5.0	7350	7420	0.90	93.8	95.3	1.6	NC			75 - 125	35
Antimony	BRL	3.3	<3.4	<3.2	NC	94.5	93.7	0.9	79.4			75 - 125	35
Arsenic	BRL	0.67	3.11	3.08	NC	99.1	97.4	1.7	83.6			75 - 125	35
Barium	BRL	0.33	87.7	94.4	7.40	100	102	2.0	75.0			75 - 125	35
Beryllium	BRL	0.27	<0.28	<0.26	NC	94.9	93.7	1.3	83.4			75 - 125	35
Cadmium	BRL	0.33	1.37	1.42	NC	103	98.8	4.2	91.7			75 - 125	35
Calcium	BRL	5.0	1660	1740	4.70	104	102	1.9	NC			75 - 125	35
Chromium	BRL	0.33	16.1	15.4	4.40	105	103	1.9	87.7			75 - 125	35
Cobalt	BRL	0.33	7.24	7.41	2.30	99.3	98.6	0.7	87.2			75 - 125	35
Copper	BRL	0.67	113	114	0.90	92.3	91.9	0.4	91.2			75 - 125	35
Iron	BRL	5.0	15600	16200	3.80	75.2	78.7	4.5	NC			75 - 125	35
Lead	BRL	0.33	80.0	76.2	4.90	105	109	3.7	87.4			75 - 125	35
Magnesium	BRL	5.0	3350	3180	5.20	101	101	0.0	NC			75 - 125	35
Manganese	BRL	0.33	235	243	3.30	94.5	114	18.7	90.3			75 - 125	35
Nickel	BRL	0.33	14.1	14.3	1.40	95.1	94.5	0.6	82.7			75 - 125	35
Potassium	BRL	5.0	2210	2130	3.70	98.3	98.8	0.5	64.5			75 - 125	35
Selenium	BRL	1.3	<1.4	<1.3	NC	91.8	93.2	1.5	79.1			75 - 125	35
Silver	BRL	0.33	<0.34	<0.32	NC	89.7	86.8	3.3	82.5			75 - 125	35
Sodium	BRL	5.0	131	124	5.50	93.7	93.3	0.4	124			75 - 125	35
Thallium	BRL	3.0	<3.1	<2.9	NC	101	99.0	2.0	86.1			75 - 125	35
Vanadium	BRL	0.33	29.4	28.7	2.40	95.6	99.1	3.6	86.4			75 - 125	35
Zinc	BRL	0.67	181	178	1.70	101	107	5.8	81.5			75 - 125	35

Comment:

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

QA/QC Batch 592944 (mg/kg), QC Sample No: CJ33263 (CJ33260, CJ33261, CJ33262, CJ33263, CJ33264, CJ33265, CJ33266, CJ33267, CJ33268, CJ33269)

ICP Metals - Soil

Aluminum	BRL	5.0	6560	6410	2.30	102	102	0.0	NC			75 - 125	35
Antimony	BRL	3.3	<3.5	<3.6	NC	109	101	7.6	86.4			75 - 125	35
Arsenic	BRL	0.67	4.27	5.67	28.2	99.4	97.4	2.0	87.9			75 - 125	35
Barium	BRL	0.33	200	236	16.5	96.4	93.6	2.9	93.6			75 - 125	35
Beryllium	BRL	0.27	0.39	0.43	NC	96.9	90.3	7.1	89.0			75 - 125	35
Cadmium	BRL	0.33	0.90	1.03	NC	101	94.7	6.4	90.4			75 - 125	35
Calcium	BRL	5.0	32500	20900	43.4	105	94.1	10.9	NC			75 - 125	35
Chromium	BRL	0.33	34.2	34.7	1.50	101	96.3	4.8	85.2			75 - 125	35

QA/QC Data

SDG I.D.: GCJ33255

Parameter	Blank	Blk RL	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Cobalt	BRL	0.33	7.55	8.27	9.10	100	94.9	5.2	90.6			75 - 125	35	
Copper	BRL	0.67	98.8	106	7.00	92.1	90.9	1.3	82.2			75 - 125	35	
Iron	BRL	5.0	14800	22400	40.9	71.4	69.5	2.7	NC			75 - 125	35	l,r
Lead	BRL	0.33	295	314	6.20	103	101	2.0	>130			75 - 125	35	m
Magnesium	BRL	5.0	5900	4350	30.2	99.8	98.8	1.0	NC			75 - 125	35	
Manganese	BRL	0.33	247	269	8.50	99.1	92.5	6.9	83.8			75 - 125	35	
Nickel	BRL	0.33	28.5	30.2	5.80	102	95.7	6.4	88.4			75 - 125	35	
Potassium	BRL	5.0	1400	1410	0.70	105	103	1.9	>130			75 - 125	35	m
Selenium	BRL	1.3	<1.4	<1.4	NC	94.2	98.8	4.8	87.0			75 - 125	35	
Silver	BRL	0.33	<0.35	<0.36	NC	92.8	90.2	2.8	87.4			75 - 125	35	
Sodium	BRL	5.0	200	222	10.4	95.4	97.9	2.6	>130			75 - 125	35	m
Thallium	BRL	3.0	<1.4	<3.3	NC	102	99.8	2.2	89.0			75 - 125	35	
Vanadium	BRL	0.33	23.6	27.7	16.0	97.0	95.8	1.2	90.7			75 - 125	35	
Zinc	BRL	0.67	304	307	1.00	98.5	95.8	2.8	>130			75 - 125	35	m

Comment:

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

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

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

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



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

September 28, 2021

QA/QC Data

SDG I.D.: GCJ33255

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

QA/QC Batch 592963 (ug/Kg), QC Sample No: CJ33255 2X (CJ33255, CJ33256, CJ33257, CJ33258, CJ33259, CJ33260, CJ33261, CJ33262, CJ33263, CJ33264, CJ33265, CJ33266, CJ33267, CJ33268, CJ33269)

Polychlorinated Biphenyls - Soil

PCB-1016	ND	33	80	84	4.9	74	66	11.4	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	81	85	4.8	74	66	11.4	40 - 140	30
PCB-1262	ND	33							40 - 140	30
PCB-1268	ND	33							40 - 140	30
% DCBP (Surrogate Rec)	62	%	83	85	2.4	76	66	14.1	30 - 150	30
% DCBP (Surrogate Rec) (Confirm)	70	%	97	96	1.0	86	75	13.7	30 - 150	30
% TCMX (Surrogate Rec)	59	%	80	82	2.5	74	64	14.5	30 - 150	30
% TCMX (Surrogate Rec) (Confirm)	59	%	82	82	0.0	73	64	13.1	30 - 150	30

QA/QC Batch 592964 (ug/Kg), QC Sample No: CJ33255 2X (CJ33255, CJ33256, CJ33257, CJ33258, CJ33259, CJ33260, CJ33261, CJ33262, CJ33263, CJ33264, CJ33265, CJ33266, CJ33267, CJ33268, CJ33269)

Pesticides - Soil

4,4' -DDD	ND	1.7	89	100	11.6	134	110	19.7	40 - 140	30
4,4' -DDE	ND	1.7	81	89	9.4	80	79	1.3	40 - 140	30
4,4' -DDT	ND	1.7	75	82	8.9	89	88	1.1	40 - 140	30
a-BHC	ND	1.0	79	81	2.5	73	72	1.4	40 - 140	30
a-Chlordane	ND	3.3	82	82	0.0	74	76	2.7	40 - 140	30
Aldrin	ND	1.0	78	86	9.8	73	68	7.1	40 - 140	30
b-BHC	ND	1.0	78	86	9.8	76	75	1.3	40 - 140	30
Chlordane	ND	3.3	81	89	9.4	81	74	9.0	40 - 140	30
d-BHC	ND	3.3	82	93	12.6	78	80	2.5	40 - 140	30
Dieldrin	ND	1.0	77	84	8.7	73	71	2.8	40 - 140	30
Endosulfan I	ND	3.3	72	84	15.4	67	64	4.6	40 - 140	30
Endosulfan II	ND	3.3	87	92	5.6	99	98	1.0	40 - 140	30
Endosulfan sulfate	ND	3.3	84	89	5.8	95	92	3.2	40 - 140	30
Endrin	ND	3.3	75	83	10.1	87	72	18.9	40 - 140	30
Endrin aldehyde	ND	3.3	60	67	11.0	90	89	1.1	40 - 140	30
Endrin ketone	ND	3.3	79	86	8.5	82	79	3.7	40 - 140	30
g-BHC	ND	1.0	77	83	7.5	84	83	1.2	40 - 140	30
g-Chlordane	ND	3.3	81	89	9.4	81	74	9.0	40 - 140	30
Heptachlor	ND	3.3	76	82	7.6	70	70	0.0	40 - 140	30
Heptachlor epoxide	ND	3.3	80	86	7.2	73	71	2.8	40 - 140	30
Methoxychlor	ND	3.3	76	85	11.2	81	79	2.5	40 - 140	30
Toxaphene	ND	130	NA	NA	NC	NA	NA	NC	40 - 140	30
% DCBP	76	%	83	92	10.3	72	63	13.3	30 - 150	30
% DCBP (Confirmation)	76	%	81	90	10.5	70	71	1.4	30 - 150	30

QA/QC Data

SDG I.D.: GCJ33255

Parameter	Blk		LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
	Blank	RL								
% TCMX	69	%	75	81	7.7	69	69	0.0	30 - 150	30
% TCMX (Confirmation)	69	%	74	79	6.5	65	65	0.0	30 - 150	30

QA/QC Batch 592897 (ug/kg), QC Sample No: CJ32650 (CJ33255, CJ33256, CJ33257)

Semivolatiles - Soil

1,2,4,5-Tetrachlorobenzene	ND	230	78	78	0.0	75	77	2.6	40 - 140	30	
1,2,4-Trichlorobenzene	ND	230	76	75	1.3	73	71	2.8	40 - 140	30	
1,2-Dichlorobenzene	ND	180	77	74	4.0	74	69	7.0	40 - 140	30	
1,2-Diphenylhydrazine	ND	230	94	96	2.1	90	88	2.2	40 - 140	30	
1,3-Dichlorobenzene	ND	230	78	74	5.3	75	69	8.3	40 - 140	30	
1,4-Dichlorobenzene	ND	230	76	74	2.7	74	70	5.6	40 - 140	30	
2,4,5-Trichlorophenol	ND	230	98	99	1.0	92	89	3.3	40 - 140	30	
2,4,6-Trichlorophenol	ND	130	100	102	2.0	92	92	0.0	30 - 130	30	
2,4-Dichlorophenol	ND	130	93	96	3.2	89	90	1.1	30 - 130	30	
2,4-Dimethylphenol	ND	230	101	103	2.0	94	93	1.1	30 - 130	30	
2,4-Dinitrophenol	ND	230	45	54	18.2	96	77	22.0	30 - 130	30	
2,4-Dinitrotoluene	ND	130	95	97	2.1	91	89	2.2	30 - 130	30	
2,6-Dinitrotoluene	ND	130	87	88	1.1	84	83	1.2	40 - 140	30	
2-Chloronaphthalene	ND	230	88	88	0.0	82	80	2.5	40 - 140	30	
2-Chlorophenol	ND	230	92	91	1.1	87	86	1.2	30 - 130	30	
2-Methylnaphthalene	ND	230	78	78	0.0	74	74	0.0	40 - 140	30	
2-Methylphenol (o-cresol)	ND	230	90	92	2.2	91	88	3.4	40 - 140	30	
2-Nitroaniline	ND	330	142	147	3.5	116	114	1.7	40 - 140	30	l
2-Nitrophenol	ND	230	112	112	0.0	106	105	0.9	40 - 140	30	
3&4-Methylphenol (m&p-cresol)	ND	230	88	90	2.2	87	87	0.0	30 - 130	30	
3,3'-Dichlorobenzidine	ND	130	80	90	11.8	34	29	15.9	40 - 140	30	m
3-Nitroaniline	ND	330	90	95	5.4	71	68	4.3	40 - 140	30	
4,6-Dinitro-2-methylphenol	ND	230	68	72	5.7	94	75	22.5	30 - 130	30	
4-Bromophenyl phenyl ether	ND	230	91	93	2.2	81	81	0.0	40 - 140	30	
4-Chloro-3-methylphenol	ND	230	98	100	2.0	94	93	1.1	30 - 130	30	
4-Chloroaniline	ND	230	82	87	5.9	56	54	3.6	40 - 140	30	
4-Chlorophenyl phenyl ether	ND	230	84	86	2.4	81	80	1.2	40 - 140	30	
4-Nitroaniline	ND	230	110	112	1.8	103	100	3.0	40 - 140	30	
4-Nitrophenol	ND	230	122	124	1.6	135	124	8.5	30 - 130	30	m
Acenaphthene	ND	230	91	91	0.0	85	88	3.5	30 - 130	30	
Acenaphthylene	ND	130	82	83	1.2	71	69	2.9	40 - 140	30	
Acetophenone	ND	230	75	74	1.3	74	73	1.4	40 - 140	30	
Aniline	ND	330	59	61	3.3	100	94	6.2	40 - 140	30	
Anthracene	ND	230	85	88	3.5	71	75	5.5	40 - 140	30	
Benz(a)anthracene	ND	230	87	89	2.3	52	60	14.3	40 - 140	30	
Benzidine	ND	330	64	77	18.4	<10	<10	NC	40 - 140	30	m
Benzo(a)pyrene	ND	130	90	92	2.2	49	58	16.8	40 - 140	30	
Benzo(b)fluoranthene	ND	160	91	96	5.3	62	73	16.3	40 - 140	30	
Benzo(ghi)perylene	ND	230	95	99	4.1	54	57	5.4	40 - 140	30	
Benzo(k)fluoranthene	ND	230	93	93	0.0	46	51	10.3	40 - 140	30	
Benzoic Acid	ND	670	54	57	5.4	104	101	2.9	30 - 130	30	
Benzyl butyl phthalate	ND	230	96	99	3.1	89	87	2.3	40 - 140	30	
Bis(2-chloroethoxy)methane	ND	230	83	82	1.2	78	77	1.3	40 - 140	30	
Bis(2-chloroethyl)ether	ND	130	77	75	2.6	74	72	2.7	40 - 140	30	
Bis(2-chloroisopropyl)ether	ND	230	69	67	2.9	68	64	6.1	40 - 140	30	
Bis(2-ethylhexyl)phthalate	ND	230	97	100	3.0	89	90	1.1	40 - 140	30	
Carbazole	ND	230	82	85	3.6	82	81	1.2	40 - 140	30	
Chrysene	ND	230	89	91	2.2	54	60	10.5	40 - 140	30	

QA/QC Data

SDG I.D.: GCJ33255

Parameter	Blk		LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
	Blank	RL									
Dibenz(a,h)anthracene	ND	130	100	103	3.0	81	82	1.2	40 - 140	30	
Dibenzofuran	ND	230	80	81	1.2	76	78	2.6	40 - 140	30	
Diethyl phthalate	ND	230	88	89	1.1	83	83	0.0	40 - 140	30	
Dimethylphthalate	ND	230	91	91	0.0	84	84	0.0	40 - 140	30	
Di-n-butylphthalate	ND	670	89	91	2.2	85	83	2.4	40 - 140	30	
Di-n-octylphthalate	ND	230	106	109	2.8	105	99	5.9	40 - 140	30	
Fluoranthene	ND	230	84	86	2.4	22	36	48.3	40 - 140	30	m,r
Fluorene	ND	230	87	88	1.1	80	83	3.7	40 - 140	30	
Hexachlorobenzene	ND	130	91	95	4.3	84	85	1.2	40 - 140	30	
Hexachlorobutadiene	ND	230	84	82	2.4	79	76	3.9	40 - 140	30	
Hexachlorocyclopentadiene	ND	230	79	79	0.0	38	23	49.2	40 - 140	30	m,r
Hexachloroethane	ND	130	77	73	5.3	75	67	11.3	40 - 140	30	
Indeno(1,2,3-cd)pyrene	ND	230	99	102	3.0	54	59	8.8	40 - 140	30	
Isophorone	ND	130	70	71	1.4	67	66	1.5	40 - 140	30	
Naphthalene	ND	230	78	78	0.0	75	74	1.3	40 - 140	30	
Nitrobenzene	ND	130	84	84	0.0	83	81	2.4	40 - 140	30	
N-Nitrosodimethylamine	ND	230	69	66	4.4	66	57	14.6	40 - 140	30	
N-Nitrosodi-n-propylamine	ND	130	79	79	0.0	78	75	3.9	40 - 140	30	
N-Nitrosodiphenylamine	ND	130	87	89	2.3	83	80	3.7	40 - 140	30	
Pentachloronitrobenzene	ND	230	106	107	0.9	96	98	2.1	40 - 140	30	
Pentachlorophenol	ND	230	104	108	3.8	101	103	2.0	30 - 130	30	
Phenanthrene	ND	130	86	87	1.2	54	71	27.2	40 - 140	30	
Phenol	ND	230	85	83	2.4	83	82	1.2	30 - 130	30	
Pyrene	ND	230	85	88	3.5	33	45	30.8	30 - 130	30	r
Pyridine	ND	230	54	50	7.7	51	44	14.7	40 - 140	30	
% 2,4,6-Tribromophenol	108	%	114	117	2.6	105	103	1.9	30 - 130	30	
% 2-Fluorobiphenyl	80	%	81	80	1.2	72	70	2.8	30 - 130	30	
% 2-Fluorophenol	71	%	80	78	2.5	75	73	2.7	30 - 130	30	
% Nitrobenzene-d5	75	%	85	84	1.2	82	80	2.5	30 - 130	30	
% Phenol-d5	75	%	79	80	1.3	77	76	1.3	30 - 130	30	
% Terphenyl-d14	81	%	80	82	2.5	80	78	2.5	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 592934 (ug/kg), QC Sample No: CJ33274 (CJ33258, CJ33259, CJ33260, CJ33261, CJ33262, CJ33263, CJ33264, CJ33265, CJ33266, CJ33267, CJ33268, CJ33269)

Semivolatiles - Soil

1,2,4,5-Tetrachlorobenzene	ND	230	81	87	7.1	70	83	17.0	40 - 140	30	
1,2,4-Trichlorobenzene	ND	230	76	76	0.0	61	78	24.5	40 - 140	30	
1,2-Dichlorobenzene	ND	180	77	74	4.0	54	76	33.8	40 - 140	30	r
1,2-Diphenylhydrazine	ND	230	86	90	4.5	79	86	8.5	40 - 140	30	
1,3-Dichlorobenzene	ND	230	76	70	8.2	52	73	33.6	40 - 140	30	r
1,4-Dichlorobenzene	ND	230	80	75	6.5	56	77	31.6	40 - 140	30	r
2,4,5-Trichlorophenol	ND	230	96	104	8.0	84	98	15.4	40 - 140	30	
2,4,6-Trichlorophenol	ND	130	101	104	2.9	86	100	15.1	30 - 130	30	
2,4-Dichlorophenol	ND	130	93	97	4.2	81	93	13.8	30 - 130	30	
2,4-Dimethylphenol	ND	230	97	102	5.0	78	97	21.7	30 - 130	30	
2,4-Dinitrophenol	ND	230	32	26	20.7	64	35	58.6	30 - 130	30	l,r
2,4-Dinitrotoluene	ND	130	88	95	7.7	81	89	9.4	30 - 130	30	
2,6-Dinitrotoluene	ND	130	89	97	8.6	78	91	15.4	40 - 140	30	
2-Chloronaphthalene	ND	230	86	89	3.4	74	87	16.1	40 - 140	30	
2-Chlorophenol	ND	230	87	85	2.3	63	85	29.7	30 - 130	30	

QA/QC Data

SDG I.D.: GCJ33255

Parameter	Blk		LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
	Blank	RL									
2-Methylnaphthalene	ND	230	82	86	4.8	70	82	15.8	40 - 140	30	
2-Methylphenol (o-cresol)	ND	230	95	97	2.1	70	97	32.3	40 - 140	30	r
2-Nitroaniline	ND	330	179	184	2.8	159	182	13.5	40 - 140	30	l,m
2-Nitrophenol	ND	230	96	97	1.0	78	94	18.6	40 - 140	30	
3&4-Methylphenol (m&p-cresol)	ND	230	102	107	4.8	79	103	26.4	30 - 130	30	
3,3'-Dichlorobenzidine	ND	130	104	113	8.3	90	105	15.4	40 - 140	30	
3-Nitroaniline	ND	330	107	116	8.1	91	105	14.3	40 - 140	30	
4,6-Dinitro-2-methylphenol	ND	230	61	46	28.0	74	56	27.7	30 - 130	30	
4-Bromophenyl phenyl ether	ND	230	90	96	6.5	81	92	12.7	40 - 140	30	
4-Chloro-3-methylphenol	ND	230	95	101	6.1	86	95	9.9	30 - 130	30	
4-Chloroaniline	ND	230	90	94	4.3	77	90	15.6	40 - 140	30	
4-Chlorophenyl phenyl ether	ND	230	92	97	5.3	81	93	13.8	40 - 140	30	
4-Nitroaniline	ND	230	97	103	6.0	86	97	12.0	40 - 140	30	
4-Nitrophenol	ND	230	11	107	162.7	85	100	16.2	30 - 130	30	l,r
Acenaphthene	ND	230	92	98	6.3	80	95	17.1	30 - 130	30	
Acenaphthylene	ND	130	84	88	4.7	74	85	13.8	40 - 140	30	
Acetophenone	ND	230	81	81	0.0	59	81	31.4	40 - 140	30	r
Aniline	ND	330	73	72	1.4	53	72	30.4	40 - 140	30	
Anthracene	ND	230	89	94	5.5	79	89	11.9	40 - 140	30	
Benz(a)anthracene	ND	230	89	98	9.6	80	90	11.8	40 - 140	30	
Benzidine	ND	330	62	62	0.0	37	48	25.9	40 - 140	30	m
Benzo(a)pyrene	ND	130	84	89	5.8	76	84	10.0	40 - 140	30	
Benzo(b)fluoranthene	ND	160	84	87	3.5	78	83	6.2	40 - 140	30	
Benzo(ghi)perylene	ND	230	93	97	4.2	83	93	11.4	40 - 140	30	
Benzo(k)fluoranthene	ND	230	82	86	4.8	76	84	10.0	40 - 140	30	
Benzoic Acid	ND	670	25	15	50.0	16	16	0.0	30 - 130	30	l,m,r
Benzyl butyl phthalate	ND	230	85	94	10.1	79	85	7.3	40 - 140	30	
Bis(2-chloroethoxy)methane	ND	230	82	83	1.2	65	80	20.7	40 - 140	30	
Bis(2-chloroethyl)ether	ND	130	74	74	0.0	56	74	27.7	40 - 140	30	
Bis(2-chloroisopropyl)ether	ND	230	70	67	4.4	51	69	30.0	40 - 140	30	
Bis(2-ethylhexyl)phthalate	ND	230	82	88	7.1	74	81	9.0	40 - 140	30	
Carbazole	ND	230	91	96	5.3	81	91	11.6	40 - 140	30	
Chrysene	ND	230	91	97	6.4	83	91	9.2	40 - 140	30	
Dibenz(a,h)anthracene	ND	130	97	100	3.0	82	94	13.6	40 - 140	30	
Dibenzofuran	ND	230	86	91	5.6	77	86	11.0	40 - 140	30	
Diethyl phthalate	ND	230	91	96	5.3	81	92	12.7	40 - 140	30	
Dimethylphthalate	ND	230	90	95	5.4	82	89	8.2	40 - 140	30	
Di-n-butylphthalate	ND	670	85	89	4.6	77	84	8.7	40 - 140	30	
Di-n-octylphthalate	ND	230	97	108	10.7	90	97	7.5	40 - 140	30	
Fluoranthene	ND	230	83	86	3.6	77	81	5.1	40 - 140	30	
Fluorene	ND	230	89	93	4.4	79	90	13.0	40 - 140	30	
Hexachlorobenzene	ND	130	92	97	5.3	80	95	17.1	40 - 140	30	
Hexachlorobutadiene	ND	230	80	78	2.5	64	80	22.2	40 - 140	30	
Hexachlorocyclopentadiene	ND	230	69	72	4.3	52	68	26.7	40 - 140	30	
Hexachloroethane	ND	130	76	74	2.7	55	74	29.5	40 - 140	30	
Indeno(1,2,3-cd)pyrene	ND	230	98	104	5.9	87	99	12.9	40 - 140	30	
Isophorone	ND	130	71	74	4.1	62	70	12.1	40 - 140	30	
Naphthalene	ND	230	77	79	2.6	63	77	20.0	40 - 140	30	
Nitrobenzene	ND	130	87	87	0.0	67	88	27.1	40 - 140	30	
N-Nitrosodimethylamine	ND	230	79	69	13.5	48	66	31.6	40 - 140	30	r
N-Nitrosodi-n-propylamine	ND	130	85	84	1.2	69	87	23.1	40 - 140	30	
N-Nitrosodiphenylamine	ND	130	87	93	6.7	78	86	9.8	40 - 140	30	
Pentachloronitrobenzene	ND	230	95	101	6.1	85	98	14.2	40 - 140	30	

QA/QC Data

SDG I.D.: GCJ33255

Parameter	Blk		LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
	Blank	RL								
Pentachlorophenol	ND	230	117	105	10.8	91	92	1.1	30 - 130	30
Phenanthrene	ND	130	90	97	7.5	80	89	10.7	40 - 140	30
Phenol	ND	230	87	89	2.3	67	89	28.2	30 - 130	30
Pyrene	ND	230	69	73	5.6	65	68	4.5	30 - 130	30
Pyridine	ND	230	52	49	5.9	36	48	28.6	40 - 140	30
% 2,4,6-Tribromophenol	107	%	108	111	2.7	93	107	14.0	30 - 130	30
% 2-Fluorobiphenyl	85	%	77	79	2.6	65	78	18.2	30 - 130	30
% 2-Fluorophenol	72	%	83	82	1.2	58	82	34.3	30 - 130	30
% Nitrobenzene-d5	80	%	83	81	2.4	63	81	25.0	30 - 130	30
% Phenol-d5	79	%	92	95	3.2	69	92	28.6	30 - 130	30
% Terphenyl-d14	79	%	82	86	4.8	75	80	6.5	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 592901 (ug/kg), QC Sample No: CJ32264 (CJ33255)

Polynuclear Aromatic HC - Soil

1,4-dioxane	ND	67	40	47	16.1	46	46	0.0	30 - 130	30
% 2-Fluorobiphenyl	64	%	60	65	8.0	62	71	13.5	30 - 130	30
% Nitrobenzene-d5	75	%	67	70	4.4	64	88	31.6	30 - 130	30
% Terphenyl-d14	77	%	76	82	7.6	79	83	4.9	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 593231H (ug/kg), QC Sample No: CJ32708 (CJ33271 (50X))

Volatiles - Soil (High Level)

1,1,1,2-Tetrachloroethane	ND	5.0	112	110	1.8				70 - 130	30
1,1,1-Trichloroethane	ND	5.0	101	100	1.0				70 - 130	30
1,1,2,2-Tetrachloroethane	ND	5.0	109	104	4.7				70 - 130	30
1,1,2-Trichloroethane	ND	5.0	104	103	1.0				70 - 130	30
1,1-Dichloroethane	ND	5.0	97	96	1.0				70 - 130	30
1,1-Dichloroethene	ND	5.0	96	92	4.3				70 - 130	30
1,1-Dichloropropene	ND	5.0	110	109	0.9				70 - 130	30
1,2,3-Trichlorobenzene	ND	5.0	129	125	3.1				70 - 130	30
1,2,3-Trichloropropane	ND	5.0	103	100	3.0				70 - 130	30
1,2,4-Trichlorobenzene	ND	5.0	128	119	7.3				70 - 130	30
1,2,4-Trimethylbenzene	ND	5.0	116	113	2.6				70 - 130	30
1,2-Dibromo-3-chloropropane	ND	5.0	121	117	3.4				70 - 130	30
1,2-Dibromoethane	ND	5.0	112	110	1.8				70 - 130	30
1,2-Dichlorobenzene	ND	5.0	116	111	4.4				70 - 130	30
1,2-Dichloroethane	ND	5.0	104	103	1.0				70 - 130	30
1,2-Dichloropropane	ND	5.0	104	103	1.0				70 - 130	30
1,3,5-Trimethylbenzene	ND	5.0	118	115	2.6				70 - 130	30
1,3-Dichlorobenzene	ND	5.0	116	111	4.4				70 - 130	30
1,3-Dichloropropane	ND	5.0	108	108	0.0				70 - 130	30
1,4-Dichlorobenzene	ND	5.0	114	111	2.7				70 - 130	30
1,4-dioxane	ND	100	115	115	0.0				70 - 130	30
2,2-Dichloropropane	ND	5.0	105	103	1.9				70 - 130	30
2-Chlorotoluene	ND	5.0	120	115	4.3				70 - 130	30
2-Hexanone	ND	25	96	92	4.3				70 - 130	30
2-Isopropyltoluene	ND	5.0	120	116	3.4				70 - 130	30
4-Chlorotoluene	ND	5.0	122	116	5.0				70 - 130	30
4-Methyl-2-pentanone	ND	25	102	99	3.0				70 - 130	30

QA/QC Data

SDG I.D.: GCJ33255

Parameter	Blk		LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
	Blank	RL								
Acetone	ND	10	81	72	11.8				70 - 130	30
Acrolein	ND	25	97	91	6.4				70 - 130	30
Acrylonitrile	ND	5.0	92	88	4.4				70 - 130	30
Benzene	ND	5.0	105	104	1.0				70 - 130	30
Bromobenzene	ND	5.0	118	115	2.6				70 - 130	30
Bromochloromethane	ND	5.0	99	97	2.0				70 - 130	30
Bromodichloromethane	ND	5.0	107	105	1.9				70 - 130	30
Bromoform	ND	5.0	109	104	4.7				70 - 130	30
Bromomethane	ND	5.0	56	59	5.2				70 - 130	30
Carbon Disulfide	ND	5.0	71	64	10.4				70 - 130	30
Carbon tetrachloride	ND	5.0	97	95	2.1				70 - 130	30
Chlorobenzene	ND	5.0	108	107	0.9				70 - 130	30
Chloroethane	ND	5.0	21	20	4.9				70 - 130	30
Chloroform	ND	5.0	97	94	3.1				70 - 130	30
Chloromethane	ND	5.0	90	89	1.1				70 - 130	30
cis-1,2-Dichloroethene	ND	5.0	98	99	1.0				70 - 130	30
cis-1,3-Dichloropropene	ND	5.0	110	108	1.8				70 - 130	30
Dibromochloromethane	ND	3.0	113	110	2.7				70 - 130	30
Dibromomethane	ND	5.0	109	108	0.9				70 - 130	30
Dichlorodifluoromethane	ND	5.0	115	115	0.0				70 - 130	30
Ethylbenzene	ND	5.0	112	110	1.8				70 - 130	30
Hexachlorobutadiene	ND	5.0	130	126	3.1				70 - 130	30
Isopropylbenzene	ND	5.0	121	116	4.2				70 - 130	30
m&p-Xylene	ND	5.0	110	109	0.9				70 - 130	30
Methyl ethyl ketone	ND	5.0	85	85	0.0				70 - 130	30
Methyl t-butyl ether (MTBE)	ND	5.0	92	91	1.1				70 - 130	30
Methylene chloride	ND	5.0	86	83	3.6				70 - 130	30
Naphthalene	ND	5.0	126	121	4.0				70 - 130	30
n-Butylbenzene	ND	5.0	125	120	4.1				70 - 130	30
n-Propylbenzene	ND	5.0	121	118	2.5				70 - 130	30
o-Xylene	ND	5.0	112	110	1.8				70 - 130	30
p-Isopropyltoluene	ND	5.0	122	119	2.5				70 - 130	30
sec-Butylbenzene	ND	5.0	120	117	2.5				70 - 130	30
Styrene	ND	5.0	109	107	1.9				70 - 130	30
tert-butyl alcohol	ND	100	110	112	1.8				70 - 130	30
tert-Butylbenzene	ND	5.0	121	118	2.5				70 - 130	30
Tetrachloroethene	ND	5.0	111	109	1.8				70 - 130	30
Tetrahydrofuran (THF)	ND	5.0	90	86	4.5				70 - 130	30
Toluene	ND	5.0	108	107	0.9				70 - 130	30
trans-1,2-Dichloroethene	ND	5.0	99	97	2.0				70 - 130	30
trans-1,3-Dichloropropene	ND	5.0	111	108	2.7				70 - 130	30
trans-1,4-dichloro-2-butene	ND	5.0	123	116	5.9				70 - 130	30
Trichloroethene	ND	5.0	108	106	1.9				70 - 130	30
Trichlorofluoromethane	ND	5.0	21	21	0.0				70 - 130	30
Trichlorotrifluoroethane	ND	5.0	91	89	2.2				70 - 130	30
Vinyl chloride	ND	5.0	101	100	1.0				70 - 130	30
% 1,2-dichlorobenzene-d4	95	%	102	100	2.0				70 - 130	30
% Bromofluorobenzene	99	%	98	99	1.0				70 - 130	30
% Dibromofluoromethane	100	%	96	95	1.0				70 - 130	30
% Toluene-d8	95	%	100	100	0.0				70 - 130	30

Comment:

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

QA/QC Data

SDG I.D.: GCJ33255

Parameter	Blk		LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
	Blank	RL									
QA/QC Batch 593050 (ug/kg), QC Sample No: CJ33123 (CJ33255, CJ33256, CJ33257, CJ33258, CJ33259, CJ33260)											
Volatiles - Soil (Low Level)											
1,1,1,2-Tetrachloroethane	ND	5.0	100	101	1.0	98	96	2.1	70 - 130	30	
1,1,1-Trichloroethane	ND	5.0	88	89	1.1	87	88	1.1	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	3.0	97	97	0.0	87	87	0.0	70 - 130	30	
1,1,2-Trichloroethane	ND	5.0	94	94	0.0	90	88	2.2	70 - 130	30	
1,1-Dichloroethane	ND	5.0	86	88	2.3	85	85	0.0	70 - 130	30	
1,1-Dichloroethene	ND	5.0	83	84	1.2	84	83	1.2	70 - 130	30	
1,1-Dichloropropene	ND	5.0	91	92	1.1	92	90	2.2	70 - 130	30	
1,2,3-Trichlorobenzene	ND	5.0	105	107	1.9	84	79	6.1	70 - 130	30	
1,2,3-Trichloropropane	ND	5.0	93	94	1.1	88	85	3.5	70 - 130	30	
1,2,4-Trichlorobenzene	ND	5.0	102	104	1.9	81	75	7.7	70 - 130	30	
1,2,4-Trimethylbenzene	ND	1.0	99	100	1.0	89	83	7.0	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	5.0	106	106	0.0	93	93	0.0	70 - 130	30	
1,2-Dibromoethane	ND	5.0	99	100	1.0	95	93	2.1	70 - 130	30	
1,2-Dichlorobenzene	ND	5.0	97	98	1.0	89	84	5.8	70 - 130	30	
1,2-Dichloroethane	ND	5.0	87	87	0.0	86	85	1.2	70 - 130	30	
1,2-Dichloropropane	ND	5.0	89	89	0.0	88	86	2.3	70 - 130	30	
1,3,5-Trimethylbenzene	ND	1.0	100	102	2.0	94	89	5.5	70 - 130	30	
1,3-Dichlorobenzene	ND	5.0	98	100	2.0	90	85	5.7	70 - 130	30	
1,3-Dichloropropane	ND	5.0	97	97	0.0	94	92	2.2	70 - 130	30	
1,4-Dichlorobenzene	ND	5.0	98	98	0.0	88	83	5.8	70 - 130	30	
1,4-dioxane	ND	100	102	92	10.3	141	178	23.2	70 - 130	30	m
2,2-Dichloropropane	ND	5.0	96	97	1.0	91	91	0.0	70 - 130	30	
2-Chlorotoluene	ND	5.0	99	102	3.0	94	90	4.3	70 - 130	30	
2-Hexanone	ND	25	88	86	2.3	44	29	41.1	70 - 130	30	m,r
2-Isopropyltoluene	ND	5.0	100	101	1.0	93	90	3.3	70 - 130	30	
4-Chlorotoluene	ND	5.0	99	101	2.0	91	86	5.6	70 - 130	30	
4-Methyl-2-pentanone	ND	25	89	88	1.1	60	49	20.2	70 - 130	30	m
Acetone	ND	10	71	69	2.9	63	61	3.2	70 - 130	30	l,m
Acrolein	ND	25	117	114	2.6	15	<10	NC	70 - 130	30	m
Acrylonitrile	ND	5.0	87	86	1.2	78	78	0.0	70 - 130	30	
Benzene	ND	1.0	92	93	1.1	91	89	2.2	70 - 130	30	
Bromobenzene	ND	5.0	100	102	2.0	95	91	4.3	70 - 130	30	
Bromochloromethane	ND	5.0	91	91	0.0	88	88	0.0	70 - 130	30	
Bromodichloromethane	ND	5.0	91	91	0.0	89	87	2.3	70 - 130	30	
Bromoform	ND	5.0	99	101	2.0	94	93	1.1	70 - 130	30	
Bromomethane	ND	5.0	84	83	1.2	87	87	0.0	70 - 130	30	
Carbon Disulfide	ND	5.0	77	78	1.3	77	76	1.3	70 - 130	30	
Carbon tetrachloride	ND	5.0	84	85	1.2	84	103	20.3	70 - 130	30	
Chlorobenzene	ND	5.0	96	97	1.0	93	89	4.4	70 - 130	30	
Chloroethane	ND	5.0	80	80	0.0	84	85	1.2	70 - 130	30	
Chloroform	ND	5.0	87	87	0.0	85	84	1.2	70 - 130	30	
Chloromethane	ND	5.0	82	82	0.0	86	84	2.4	70 - 130	30	
cis-1,2-Dichloroethene	ND	5.0	93	89	4.4	85	84	1.2	70 - 130	30	
cis-1,3-Dichloropropene	ND	5.0	96	96	0.0	90	88	2.2	70 - 130	30	
Dibromochloromethane	ND	3.0	98	99	1.0	95	93	2.1	70 - 130	30	
Dibromomethane	ND	5.0	93	94	1.1	90	88	2.2	70 - 130	30	
Dichlorodifluoromethane	ND	5.0	83	84	1.2	106	105	0.9	70 - 130	30	
Ethylbenzene	ND	1.0	98	100	2.0	93	89	4.4	70 - 130	30	
Hexachlorobutadiene	ND	5.0	99	103	4.0	82	79	3.7	70 - 130	30	
Isopropylbenzene	ND	1.0	101	104	2.9	97	94	3.1	70 - 130	30	

QA/QC Data

SDG I.D.: GCJ33255

Parameter	Blk		LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
	Blank	RL									
m&p-Xylene	ND	2.0	98	99	1.0	93	89	4.4	70 - 130	30	
Methyl ethyl ketone	ND	5.0	79	79	0.0	63	55	13.6	70 - 130	30	m
Methyl t-butyl ether (MTBE)	ND	1.0	85	85	0.0	81	80	1.2	70 - 130	30	
Methylene chloride	ND	5.0	74	75	1.3	73	71	2.8	70 - 130	30	
Naphthalene	ND	5.0	114	113	0.9	87	81	7.1	70 - 130	30	
n-Butylbenzene	ND	1.0	100	102	2.0	89	83	7.0	70 - 130	30	
n-Propylbenzene	ND	1.0	101	103	2.0	95	90	5.4	70 - 130	30	
o-Xylene	ND	2.0	97	98	1.0	93	91	2.2	70 - 130	30	
p-Isopropyltoluene	ND	1.0	101	103	2.0	90	82	9.3	70 - 130	30	
sec-Butylbenzene	ND	1.0	101	103	2.0	95	91	4.3	70 - 130	30	
Styrene	ND	5.0	99	100	1.0	91	86	5.6	70 - 130	30	
tert-butyl alcohol	ND	100	100	92	8.3	134	156	15.2	70 - 130	30	m
tert-Butylbenzene	ND	1.0	101	102	1.0	97	93	4.2	70 - 130	30	
Tetrachloroethene	ND	5.0	94	95	1.1	93	90	3.3	70 - 130	30	
Tetrahydrofuran (THF)	ND	5.0	82	81	1.2	76	76	0.0	70 - 130	30	
Toluene	ND	1.0	94	96	2.1	92	89	3.3	70 - 130	30	
trans-1,2-Dichloroethene	ND	5.0	84	86	2.4	83	82	1.2	70 - 130	30	
trans-1,3-Dichloropropene	ND	5.0	99	100	1.0	92	90	2.2	70 - 130	30	
trans-1,4-dichloro-2-butene	ND	5.0	115	116	0.9	99	95	4.1	70 - 130	30	
Trichloroethene	ND	5.0	93	94	1.1	96	91	5.3	70 - 130	30	
Trichlorofluoromethane	ND	5.0	84	85	1.2	89	89	0.0	70 - 130	30	
Trichlorotrifluoroethane	ND	5.0	76	77	1.3	78	78	0.0	70 - 130	30	
Vinyl chloride	ND	5.0	85	86	1.2	89	90	1.1	70 - 130	30	
% 1,2-dichlorobenzene-d4	99	%	100	98	2.0	99	99	0.0	70 - 130	30	
% Bromofluorobenzene	94	%	99	99	0.0	98	99	1.0	70 - 130	30	
% Dibromofluoromethane	95	%	94	97	3.1	95	94	1.1	70 - 130	30	
% Toluene-d8	96	%	98	99	1.0	99	99	0.0	70 - 130	30	

Comment:

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

QA/QC Batch 593436 (ug/kg), QC Sample No: CJ33264 (CJ33264)

Volatiles - Soil (Low Level)

1,1,1,2-Tetrachloroethane	ND	5.0	103	102	1.0				70 - 130	30	
1,1,1-Trichloroethane	ND	5.0	92	91	1.1				70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	3.0	95	95	0.0				70 - 130	30	
1,1,2-Trichloroethane	ND	5.0	93	95	2.1				70 - 130	30	
1,1-Dichloroethane	ND	5.0	91	90	1.1				70 - 130	30	
1,1-Dichloroethene	ND	5.0	87	85	2.3				70 - 130	30	
1,1-Dichloropropene	ND	5.0	96	94	2.1				70 - 130	30	
1,2,3-Trichlorobenzene	ND	5.0	99	98	1.0				70 - 130	30	
1,2,3-Trichloropropane	ND	5.0	93	99	6.3				70 - 130	30	
1,2,4-Trichlorobenzene	ND	5.0	94	92	2.2				70 - 130	30	
1,2,4-Trimethylbenzene	ND	1.0	97	95	2.1				70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	5.0	100	100	0.0				70 - 130	30	
1,2-Dibromoethane	ND	5.0	99	99	0.0				70 - 130	30	
1,2-Dichlorobenzene	ND	5.0	95	94	1.1				70 - 130	30	
1,2-Dichloroethane	ND	5.0	92	91	1.1				70 - 130	30	
1,2-Dichloropropane	ND	5.0	92	91	1.1				70 - 130	30	
1,3,5-Trimethylbenzene	ND	1.0	99	97	2.0				70 - 130	30	
1,3-Dichlorobenzene	ND	5.0	95	94	1.1				70 - 130	30	
1,3-Dichloropropane	ND	5.0	98	97	1.0				70 - 130	30	
1,4-Dichlorobenzene	ND	5.0	94	93	1.1				70 - 130	30	

QA/QC Data

SDG I.D.: GCJ33255

Parameter	Blk		LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
	Blank	RL								
1,4-dioxane	ND	100	107	92	15.1				70 - 130	30
2,2-Dichloropropane	ND	5.0	98	96	2.1				70 - 130	30
2-Chlorotoluene	ND	5.0	98	97	1.0				70 - 130	30
2-Hexanone	ND	25	84	84	0.0				70 - 130	30
2-Isopropyltoluene	ND	5.0	98	97	1.0				70 - 130	30
4-Chlorotoluene	ND	5.0	97	95	2.1				70 - 130	30
4-Methyl-2-pentanone	ND	25	87	88	1.1				70 - 130	30
Acetone	ND	10	72	71	1.4				70 - 130	30
Acrolein	ND	25	110	112	1.8				70 - 130	30
Acrylonitrile	ND	5.0	84	86	2.4				70 - 130	30
Bromobenzene	ND	5.0	99	99	0.0				70 - 130	30
Bromochloromethane	ND	5.0	92	93	1.1				70 - 130	30
Bromodichloromethane	ND	5.0	95	94	1.1				70 - 130	30
Bromoform	ND	5.0	100	100	0.0				70 - 130	30
Bromomethane	ND	5.0	86	88	2.3				70 - 130	30
Carbon Disulfide	ND	5.0	80	80	0.0				70 - 130	30
Carbon tetrachloride	ND	5.0	89	87	2.3				70 - 130	30
Chlorobenzene	ND	5.0	95	94	1.1				70 - 130	30
Chloroethane	ND	5.0	84	84	0.0				70 - 130	30
Chloroform	ND	5.0	90	89	1.1				70 - 130	30
Chloromethane	ND	5.0	92	90	2.2				70 - 130	30
cis-1,2-Dichloroethene	ND	5.0	90	89	1.1				70 - 130	30
cis-1,3-Dichloropropene	ND	5.0	97	97	0.0				70 - 130	30
Dibromochloromethane	ND	3.0	99	100	1.0				70 - 130	30
Dibromomethane	ND	5.0	94	95	1.1				70 - 130	30
Dichlorodifluoromethane	ND	5.0	106	102	3.8				70 - 130	30
Ethylbenzene	ND	1.0	98	96	2.1				70 - 130	30
Hexachlorobutadiene	ND	5.0	97	93	4.2				70 - 130	30
Isopropylbenzene	ND	1.0	101	100	1.0				70 - 130	30
m&p-Xylene	ND	2.0	98	96	2.1				70 - 130	30
Methyl ethyl ketone	ND	5.0	81	80	1.2				70 - 130	30
Methyl t-butyl ether (MTBE)	ND	1.0	84	85	1.2				70 - 130	30
Methylene chloride	ND	5.0	76	76	0.0				70 - 130	30
n-Butylbenzene	ND	1.0	98	95	3.1				70 - 130	30
n-Propylbenzene	ND	1.0	99	98	1.0				70 - 130	30
o-Xylene	ND	2.0	96	95	1.0				70 - 130	30
p-Isopropyltoluene	ND	1.0	99	97	2.0				70 - 130	30
sec-Butylbenzene	ND	1.0	99	97	2.0				70 - 130	30
Styrene	ND	5.0	98	96	2.1				70 - 130	30
tert-butyl alcohol	ND	100	102	94	8.2				70 - 130	30
tert-Butylbenzene	ND	1.0	100	98	2.0				70 - 130	30
Tetrachloroethene	ND	5.0	94	92	2.2				70 - 130	30
Tetrahydrofuran (THF)	ND	5.0	81	81	0.0				70 - 130	30
Toluene	ND	1.0	96	95	1.0				70 - 130	30
trans-1,2-Dichloroethene	ND	5.0	88	85	3.5				70 - 130	30
trans-1,3-Dichloropropene	ND	5.0	101	101	0.0				70 - 130	30
trans-1,4-dichloro-2-butene	ND	5.0	112	108	3.6				70 - 130	30
Trichloroethene	ND	5.0	96	94	2.1				70 - 130	30
Trichlorofluoromethane	ND	5.0	91	88	3.4				70 - 130	30
Trichlorotrifluoroethane	ND	5.0	78	77	1.3				70 - 130	30
Vinyl chloride	ND	5.0	94	93	1.1				70 - 130	30
% 1,2-dichlorobenzene-d4	99	%	99	100	1.0				70 - 130	30
% Bromofluorobenzene	95	%	99	99	0.0				70 - 130	30

QA/QC Data

SDG I.D.: GCJ33255

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
% Dibromofluoromethane	95	%	96	96	0.0				70 - 130	30
% Toluene-d8	97	%	100	100	0.0				70 - 130	30

Comment:

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

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

QA/QC Batch 593228 (ug/kg), QC Sample No: CJ34410 (CJ33261, CJ33262, CJ33263, CJ33265, CJ33266, CJ33267, CJ33268, CJ33269, CJ33270)

Volatiles - Soil (Low Level)

1,1,1,2-Tetrachloroethane	ND	5.0	100	103	3.0	92	96	4.3	70 - 130	30
1,1,1-Trichloroethane	ND	5.0	88	89	1.1	85	87	2.3	70 - 130	30
1,1,2,2-Tetrachloroethane	ND	3.0	95	97	2.1	82	84	2.4	70 - 130	30
1,1,2-Trichloroethane	ND	5.0	93	95	2.1	85	87	2.3	70 - 130	30
1,1-Dichloroethane	ND	5.0	87	89	2.3	84	84	0.0	70 - 130	30
1,1-Dichloroethene	ND	5.0	83	84	1.2	80	80	0.0	70 - 130	30
1,1-Dichloropropene	ND	5.0	92	94	2.2	87	88	1.1	70 - 130	30
1,2,3-Trichlorobenzene	ND	5.0	105	105	0.0	60	63	4.9	70 - 130	30 m
1,2,3-Trichloropropane	ND	5.0	92	93	1.1	81	83	2.4	70 - 130	30
1,2,4-Trichlorobenzene	ND	5.0	103	101	2.0	57	61	6.8	70 - 130	30 m
1,2,4-Trimethylbenzene	ND	1.0	98	98	0.0	81	84	3.6	70 - 130	30
1,2-Dibromo-3-chloropropane	ND	5.0	100	104	3.9	83	85	2.4	70 - 130	30
1,2-Dibromoethane	ND	5.0	98	101	3.0	88	90	2.2	70 - 130	30
1,2-Dichlorobenzene	ND	5.0	95	97	2.1	73	76	4.0	70 - 130	30
1,2-Dichloroethane	ND	5.0	87	89	2.3	83	85	2.4	70 - 130	30
1,2-Dichloropropane	ND	5.0	89	90	1.1	83	85	2.4	70 - 130	30
1,3,5-Trimethylbenzene	ND	1.0	99	101	2.0	84	87	3.5	70 - 130	30
1,3-Dichlorobenzene	ND	5.0	98	98	0.0	74	77	4.0	70 - 130	30
1,3-Dichloropropane	ND	5.0	97	99	2.0	88	90	2.2	70 - 130	30
1,4-Dichlorobenzene	ND	5.0	96	97	1.0	72	75	4.1	70 - 130	30
1,4-dioxane	ND	100	99	94	5.2	88	95	7.7	70 - 130	30
2,2-Dichloropropane	ND	5.0	95	96	1.0	89	90	1.1	70 - 130	30
2-Chlorotoluene	ND	5.0	100	101	1.0	83	86	3.6	70 - 130	30
2-Hexanone	ND	25	84	88	4.7	70	73	4.2	70 - 130	30
2-Isopropyltoluene	ND	5.0	98	99	1.0	81	85	4.8	70 - 130	30
4-Chlorotoluene	ND	5.0	99	99	0.0	80	83	3.7	70 - 130	30
4-Methyl-2-pentanone	ND	25	88	91	3.4	78	79	1.3	70 - 130	30
Acetone	ND	10	73	77	5.3	63	66	4.7	70 - 130	30 m
Acrolein	ND	25	110	115	4.4	64	64	0.0	70 - 130	30 m
Acrylonitrile	ND	5.0	86	87	1.2	74	75	1.3	70 - 130	30
Benzene	ND	1.0	92	94	2.2	87	88	1.1	70 - 130	30
Bromobenzene	ND	5.0	99	101	2.0	83	86	3.6	70 - 130	30
Bromochloromethane	ND	5.0	90	91	1.1	83	86	3.6	70 - 130	30
Bromodichloromethane	ND	5.0	91	92	1.1	85	88	3.5	70 - 130	30
Bromoform	ND	5.0	99	101	2.0	85	89	4.6	70 - 130	30
Bromomethane	ND	5.0	80	82	2.5	80	79	1.3	70 - 130	30
Carbon Disulfide	ND	5.0	77	79	2.6	70	71	1.4	70 - 130	30
Carbon tetrachloride	ND	5.0	85	105	21.1	82	84	2.4	70 - 130	30
Chlorobenzene	ND	5.0	95	97	2.1	84	86	2.4	70 - 130	30
Chloroethane	ND	5.0	80	81	1.2	78	79	1.3	70 - 130	30
Chloroform	ND	5.0	86	88	2.3	83	84	1.2	70 - 130	30
Chloromethane	ND	5.0	87	89	2.3	78	80	2.5	70 - 130	30
cis-1,2-Dichloroethene	ND	5.0	88	89	1.1	82	83	1.2	70 - 130	30

QA/QC Data

SDG I.D.: GCJ33255

Parameter	Blk		LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
	Blank	RL									
cis-1,3-Dichloropropene	ND	5.0	96	97	1.0	85	87	2.3	70 - 130	30	
Dibromochloromethane	ND	3.0	98	100	2.0	89	91	2.2	70 - 130	30	
Dibromomethane	ND	5.0	92	94	2.2	85	87	2.3	70 - 130	30	
Dichlorodifluoromethane	ND	5.0	92	93	1.1	84	84	0.0	70 - 130	30	
Ethylbenzene	ND	1.0	97	99	2.0	88	90	2.2	70 - 130	30	
Hexachlorobutadiene	ND	5.0	100	99	1.0	59	65	9.7	70 - 130	30	m
Isopropylbenzene	ND	1.0	100	102	2.0	89	92	3.3	70 - 130	30	
m&p-Xylene	ND	2.0	98	99	1.0	87	89	2.3	70 - 130	30	
Methyl ethyl ketone	ND	5.0	82	82	0.0	69	70	1.4	70 - 130	30	m
Methyl t-butyl ether (MTBE)	ND	1.0	84	85	1.2	79	79	0.0	70 - 130	30	
Methylene chloride	ND	5.0	74	76	2.7	69	70	1.4	70 - 130	30	m
Naphthalene	ND	5.0	108	111	2.7	67	72	7.2	70 - 130	30	m
n-Butylbenzene	ND	1.0	100	100	0.0	74	78	5.3	70 - 130	30	
n-Propylbenzene	ND	1.0	101	101	0.0	85	87	2.3	70 - 130	30	
o-Xylene	ND	2.0	96	98	2.1	84	88	4.7	70 - 130	30	
p-Isopropyltoluene	ND	1.0	100	101	1.0	80	84	4.9	70 - 130	30	
sec-Butylbenzene	ND	1.0	100	101	1.0	82	85	3.6	70 - 130	30	
Styrene	ND	5.0	98	100	2.0	82	86	4.8	70 - 130	30	
tert-butyl alcohol	ND	100	97	97	0.0	92	94	2.2	70 - 130	30	
tert-Butylbenzene	ND	1.0	99	101	2.0	85	89	4.6	70 - 130	30	
Tetrachloroethene	ND	5.0	92	94	2.2	83	86	3.6	70 - 130	30	
Tetrahydrofuran (THF)	ND	5.0	81	84	3.6	72	74	2.7	70 - 130	30	
Toluene	ND	1.0	94	96	2.1	86	88	2.3	70 - 130	30	
trans-1,2-Dichloroethene	ND	5.0	83	85	2.4	78	80	2.5	70 - 130	30	
trans-1,3-Dichloropropene	ND	5.0	99	101	2.0	86	87	1.2	70 - 130	30	
trans-1,4-dichloro-2-butene	ND	5.0	114	117	2.6	90	92	2.2	70 - 130	30	
Trichloroethene	ND	5.0	92	95	3.2	88	89	1.1	70 - 130	30	
Trichlorofluoromethane	ND	5.0	85	86	1.2	83	85	2.4	70 - 130	30	
Trichlorotrifluoroethane	ND	5.0	76	77	1.3	72	73	1.4	70 - 130	30	
Vinyl chloride	ND	5.0	88	89	1.1	83	83	0.0	70 - 130	30	
% 1,2-dichlorobenzene-d4	99	%	99	98	1.0	98	99	1.0	70 - 130	30	
% Bromofluorobenzene	94	%	99	99	0.0	98	99	1.0	70 - 130	30	
% Dibromofluoromethane	96	%	97	95	2.1	94	97	3.1	70 - 130	30	
% Toluene-d8	97	%	99	99	0.0	98	99	1.0	70 - 130	30	

Comment:

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

QA/QC Batch 593228H (ug/kg), QC Sample No: CJ34410 50X (CJ33264 (50X))

Volatiles - Soil (High Level)

Benzene	ND	250	99	100	1.0	99	100	1.0	70 - 130	30	
Naphthalene	ND	250	124	123	0.8	110	116	5.3	70 - 130	30	
% 1,2-dichlorobenzene-d4	97	%	99	97	2.0	99	98	1.0	70 - 130	30	
% Bromofluorobenzene	92	%	97	97	0.0	98	97	1.0	70 - 130	30	
% Dibromofluoromethane	89	%	92	92	0.0	92	92	0.0	70 - 130	30	
% Toluene-d8	96	%	98	98	0.0	98	97	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.

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

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

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

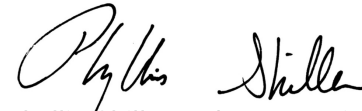
QA/QC Data

SDG I.D.: GCJ33255

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD 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
September 28, 2021

Tuesday, September 28, 2021

Criteria: NY: 375, 375COM, 375GWP, 375RRS, 375RS

State: NY

Sample Criteria Exceedances Report

G CJ33255 - BRUSSEE

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CJ33255	\$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Commercial	1200	180	1000	1000	ug/Kg
CJ33255	\$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Ground Water Protection	1100	250	1000	1000	ug/Kg
CJ33255	\$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	910	250	500	500	ug/Kg
CJ33255	\$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Residential	1100	250	1000	1000	ug/Kg
CJ33255	\$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	1200	250	1000	1000	ug/Kg
CJ33255	\$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	1200	180	1000	1000	ug/Kg
CJ33255	\$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	1200	250	1000	1000	ug/Kg
CJ33255	\$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	1200	180	1000	1000	ug/Kg
CJ33255	\$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	910	250	500	500	ug/Kg
CJ33255	\$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1200	250	1000	1000	ug/Kg
CJ33255	\$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1200	180	1000	1000	ug/Kg
CJ33255	\$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1100	250	1000	1000	ug/Kg
CJ33255	\$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	910	250	500	500	ug/Kg
CJ33255	\$8270SMRDP	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1000	250	800	800	ug/Kg
CJ33255	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	117	6.5	50	50	mg/kg
CJ33255	HG-SM	Mercury	NY / 375-6.8 Metals / Ground Water Protection	1.12	0.03	0.73	0.73	mg/Kg
CJ33255	HG-SM	Mercury	NY / 375-6.8 Metals / Residential	1.12	0.03	0.81	0.81	mg/Kg
CJ33255	HG-SM	Mercury	NY / 375-6.8 Metals / Residential Restricted	1.12	0.03	0.81	0.81	mg/Kg
CJ33255	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	1.12	0.03	0.18	0.18	mg/Kg
CJ33255	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	240	0.6	63	63	mg/Kg
CJ33255	ZN-SMDP	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	232	0.6	109	109	mg/Kg
CJ33256	ZN-SMDP	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	229	0.8	109	109	mg/Kg
CJ33257	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.21	0.03	0.18	0.18	mg/Kg
CJ33257	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	75.9	0.7	63	63	mg/Kg
CJ33258	\$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Commercial	2900	190	1000	1000	ug/Kg
CJ33258	\$8270SMRDP	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Ground Water Protection	2300	260	1700	1700	ug/Kg
CJ33258	\$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Ground Water Protection	3000	260	1000	1000	ug/Kg
CJ33258	\$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Ground Water Protection	3000	260	1000	1000	ug/Kg
CJ33258	\$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Ground Water Protection	2400	260	1700	1700	ug/Kg
CJ33258	\$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Residential	3000	260	1000	1000	ug/Kg
CJ33258	\$8270SMRDP	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential	380	190	330	330	ug/Kg
CJ33258	\$8270SMRDP	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	2300	260	1000	1000	ug/Kg
CJ33258	\$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	1700	260	500	500	ug/Kg
CJ33258	\$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	3000	260	1000	1000	ug/Kg
CJ33258	\$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	2400	260	1000	1000	ug/Kg
CJ33258	\$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	2900	190	1000	1000	ug/Kg
CJ33258	\$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	2900	190	1000	1000	ug/Kg
CJ33258	\$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	1700	260	500	500	ug/Kg
CJ33258	\$8270SMRDP	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	380	190	330	330	ug/Kg
CJ33258	\$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	3000	260	1000	1000	ug/Kg

Tuesday, September 28, 2021

Criteria: NY: 375, 375COM, 375GWP, 375RRS, 375RS

State: NY

Sample Criteria Exceedances Report

GCJ33255 - BRUSSEE

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CJ33258	\$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	2400	260	1000	1000	ug/Kg
CJ33258	\$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	3000	260	1000	1000	ug/Kg
CJ33258	\$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1700	260	500	500	ug/Kg
CJ33258	\$8270SMRDP	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2300	260	800	800	ug/Kg
CJ33258	\$8270SMRDP	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	380	190	330	330	ug/Kg
CJ33258	\$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2900	190	1000	1000	ug/Kg
CJ33258	\$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2400	260	1000	1000	ug/Kg
CJ33258	\$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	3000	260	1000	1000	ug/Kg
CJ33258	BA-SMDP	Barium	NY / 375-6.8 Metals / Commercial	461	0.7	400	400	mg/Kg
CJ33258	BA-SMDP	Barium	NY / 375-6.8 Metals / Residential	461	0.7	350	350	mg/Kg
CJ33258	BA-SMDP	Barium	NY / 375-6.8 Metals / Residential Restricted	461	0.7	400	400	mg/Kg
CJ33258	BA-SMDP	Barium	NY / 375-6.8 Metals / Unrestricted Use Soil	461	0.7	350	350	mg/Kg
CJ33258	HG-SM	Mercury	NY / 375-6.8 Metals / Ground Water Protection	1.09	0.03	0.73	0.73	mg/Kg
CJ33258	HG-SM	Mercury	NY / 375-6.8 Metals / Residential	1.09	0.03	0.81	0.81	mg/Kg
CJ33258	HG-SM	Mercury	NY / 375-6.8 Metals / Residential Restricted	1.09	0.03	0.81	0.81	mg/Kg
CJ33258	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	1.09	0.03	0.18	0.18	mg/Kg
CJ33258	PB-SMDP	Lead	NY / 375-6.8 Metals / Commercial	14400	70	1000	1000	mg/Kg
CJ33258	PB-SMDP	Lead	NY / 375-6.8 Metals / Ground Water Protection	14400	70	450	450	mg/Kg
CJ33258	PB-SMDP	Lead	NY / 375-6.8 Metals / Residential	14400	70	400	400	mg/Kg
CJ33258	PB-SMDP	Lead	NY / 375-6.8 Metals / Residential Restricted	14400	70	400	400	mg/Kg
CJ33258	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	14400	70	63	63	mg/Kg
CJ33258	ZN-SMDP	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	452	7.0	109	109	mg/Kg
CJ33259	\$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Commercial	3800	190	1000	1000	ug/Kg
CJ33259	\$8270SMRDP	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Commercial	740	190	560	560	ug/Kg
CJ33259	\$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Ground Water Protection	3600	270	1000	1000	ug/Kg
CJ33259	\$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Ground Water Protection	3400	270	1000	1000	ug/Kg
CJ33259	\$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Ground Water Protection	4000	270	1700	1700	ug/Kg
CJ33259	\$8270SMRDP	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Ground Water Protection	3300	270	1700	1700	ug/Kg
CJ33259	\$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	3800	190	1000	1000	ug/Kg
CJ33259	\$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Residential	3600	270	1000	1000	ug/Kg
CJ33259	\$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	2800	270	500	500	ug/Kg
CJ33259	\$8270SMRDP	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	3300	270	1000	1000	ug/Kg
CJ33259	\$8270SMRDP	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential	740	190	330	330	ug/Kg
CJ33259	\$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	4000	270	1000	1000	ug/Kg
CJ33259	\$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	3400	270	1000	1000	ug/Kg
CJ33259	\$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	3400	270	1000	1000	ug/Kg
CJ33259	\$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	3800	190	1000	1000	ug/Kg
CJ33259	\$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	2800	270	500	500	ug/Kg
CJ33259	\$8270SMRDP	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	740	190	330	330	ug/Kg
CJ33259	\$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	4000	270	1000	1000	ug/Kg
CJ33259	\$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2800	270	500	500	ug/Kg

Tuesday, September 28, 2021

Criteria: NY: 375, 375COM, 375GWP, 375RRS, 375RS

State: NY

Sample Criteria Exceedances Report

G CJ33255 - BRUSSEE

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CJ33259	\$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	3400	270	1000	1000	ug/Kg
CJ33259	\$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	3600	270	1000	1000	ug/Kg
CJ33259	\$8270SMRDP	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	3300	270	800	800	ug/Kg
CJ33259	\$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	3800	190	1000	1000	ug/Kg
CJ33259	\$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	4000	270	1000	1000	ug/Kg
CJ33259	\$8270SMRDP	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	740	190	330	330	ug/Kg
CJ33259	\$PCB_SMRDP	PCB-1254	NY / 375-6.8 PCBs/Pesticides / Commercial	4700	390	1000	1000	ug/Kg
CJ33259	\$PCB_SMRDP	PCB-1254	NY / 375-6.8 PCBs/Pesticides / Residential	4700	390	1000	1000	ug/Kg
CJ33259	\$PCB_SMRDP	PCB-1262	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	390	100	100	ug/Kg
CJ33259	\$PCB_SMRDP	PCB-1254	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	4700	390	100	100	ug/Kg
CJ33259	\$PCB_SMRDP	PCB-1232	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	390	100	100	ug/Kg
CJ33259	\$PCB_SMRDP	PCB-1221	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	390	100	100	ug/Kg
CJ33259	\$PCB_SMRDP	PCB-1016	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	390	100	100	ug/Kg
CJ33259	\$PCB_SMRDP	PCB-1268	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	390	100	100	ug/Kg
CJ33259	\$PCB_SMRDP	PCB-1260	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	390	100	100	ug/Kg
CJ33259	\$PCB_SMRDP	PCB-1248	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	390	100	100	ug/Kg
CJ33259	\$PCB_SMRDP	PCB-1242	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	390	100	100	ug/Kg
CJ33259	\$PESTSM_NY	a-BHC	NY / 375-6.8 PCBs/Pesticides / Ground Water Protectio	ND	39	20	20	ug/Kg
CJ33259	\$PESTSM_NY	4,4' -DDD	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	90	3.3	3.3	ug/Kg
CJ33259	\$PESTSM_NY	Endrin	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	39	14	14	ug/Kg
CJ33259	\$PESTSM_NY	Dieldrin	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	19	5	5	ug/Kg
CJ33259	\$PESTSM_NY	b-BHC	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	39	36	36	ug/Kg
CJ33259	\$PESTSM_NY	Aldrin	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	19	5	5	ug/Kg
CJ33259	\$PESTSM_NY	a-BHC	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	39	20	20	ug/Kg
CJ33259	\$PESTSM_NY	4,4' -DDT	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	400	3.3	3.3	ug/Kg
CJ33259	\$PESTSM_NY	4,4' -DDE	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	160	3.3	3.3	ug/Kg
CJ33259	AG-SM	Silver	NY / 375-6.8 Metals / Unrestricted Use Soil	3.70	0.40	2	2	mg/Kg
CJ33259	AS-SM	Arsenic	NY / 375-6.8 Metals / Commercial	23.6	0.80	16	16	mg/Kg
CJ33259	AS-SM	Arsenic	NY / 375-6.8 Metals / Ground Water Protection	23.6	0.80	16	16	mg/Kg
CJ33259	AS-SM	Arsenic	NY / 375-6.8 Metals / Residential	23.6	0.80	16	16	mg/Kg
CJ33259	AS-SM	Arsenic	NY / 375-6.8 Metals / Residential Restricted	23.6	0.80	16	16	mg/Kg
CJ33259	AS-SM	Arsenic	NY / 375-6.8 Metals / Unrestricted Use Soil	23.6	0.80	13	13	mg/Kg
CJ33259	BA-SMDP	Barium	NY / 375-6.8 Metals / Commercial	2250	8.0	400	400	mg/Kg
CJ33259	BA-SMDP	Barium	NY / 375-6.8 Metals / Ground Water Protection	2250	8.0	820	820	mg/Kg
CJ33259	BA-SMDP	Barium	NY / 375-6.8 Metals / Residential	2250	8.0	350	350	mg/Kg
CJ33259	BA-SMDP	Barium	NY / 375-6.8 Metals / Residential Restricted	2250	8.0	400	400	mg/Kg
CJ33259	BA-SMDP	Barium	NY / 375-6.8 Metals / Unrestricted Use Soil	2250	8.0	350	350	mg/Kg
CJ33259	CD-SM	Cadmium	NY / 375-6.8 Metals / Commercial	571	4.0	9.3	9.3	mg/Kg
CJ33259	CD-SM	Cadmium	NY / 375-6.8 Metals / Ground Water Protection	571	4.0	7.5	7.5	mg/Kg
CJ33259	CD-SM	Cadmium	NY / 375-6.8 Metals / Residential	571	4.0	2.5	2.5	mg/Kg
CJ33259	CD-SM	Cadmium	NY / 375-6.8 Metals / Residential Restricted	571	4.0	4.3	4.3	mg/Kg
CJ33259	CD-SM	Cadmium	NY / 375-6.8 Metals / Unrestricted Use Soil	571	4.0	2.5	2.5	mg/Kg

Tuesday, September 28, 2021

Criteria: NY: 375, 375COM, 375GWP, 375RRS, 375RS

State: NY

Sample Criteria Exceedances Report

GCJ33255 - BRUSSEE

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CJ33259	CR-SM	Chromium	NY / 375-6.8 Metals / Unrestricted Use Soil	121	0.40	30		mg/Kg
CJ33259	CU-SM	Copper	NY / 375-6.8 Metals / Commercial	1440	8.0	270	270	mg/kg
CJ33259	CU-SM	Copper	NY / 375-6.8 Metals / Residential	1440	8.0	270	270	mg/kg
CJ33259	CU-SM	Copper	NY / 375-6.8 Metals / Residential Restricted	1440	8.0	270	270	mg/kg
CJ33259	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	1440	8.0	50	50	mg/kg
CJ33259	HG-SM	Mercury	NY / 375-6.8 Metals / Commercial	7.10	1.5	2.8	2.8	mg/Kg
CJ33259	HG-SM	Mercury	NY / 375-6.8 Metals / Ground Water Protection	7.10	1.5	0.73	0.73	mg/Kg
CJ33259	HG-SM	Mercury	NY / 375-6.8 Metals / Residential	7.10	1.5	0.81	0.81	mg/Kg
CJ33259	HG-SM	Mercury	NY / 375-6.8 Metals / Residential Restricted	7.10	1.5	0.81	0.81	mg/Kg
CJ33259	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	7.10	1.5	0.18	0.18	mg/Kg
CJ33259	NI-SM	Nickel	NY / 375-6.8 Metals / Ground Water Protection	192	0.40	130	130	mg/Kg
CJ33259	NI-SM	Nickel	NY / 375-6.8 Metals / Residential	192	0.40	140	140	mg/Kg
CJ33259	NI-SM	Nickel	NY / 375-6.8 Metals / Unrestricted Use Soil	192	0.40	30	30	mg/Kg
CJ33259	PB-SMDP	Lead	NY / 375-6.8 Metals / Commercial	6530	8.0	1000	1000	mg/Kg
CJ33259	PB-SMDP	Lead	NY / 375-6.8 Metals / Ground Water Protection	6530	8.0	450	450	mg/Kg
CJ33259	PB-SMDP	Lead	NY / 375-6.8 Metals / Residential	6530	8.0	400	400	mg/Kg
CJ33259	PB-SMDP	Lead	NY / 375-6.8 Metals / Residential Restricted	6530	8.0	400	400	mg/Kg
CJ33259	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	6530	8.0	63	63	mg/Kg
CJ33259	ZN-SMDP	Zinc	NY / 375-6.8 Metals / Ground Water Protection	9130	80	2480	2480	mg/Kg
CJ33259	ZN-SMDP	Zinc	NY / 375-6.8 Metals / Residential	9130	80	2200	2200	mg/Kg
CJ33259	ZN-SMDP	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	9130	80	109	109	mg/Kg
CJ33260	\$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Commercial	4200	190	1000	1000	ug/Kg
CJ33260	\$8270SMRDP	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Commercial	1000	190	560	560	ug/Kg
CJ33260	\$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Ground Water Protection	3400	270	1700	1700	ug/Kg
CJ33260	\$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Ground Water Protection	5700	270	1000	1000	ug/Kg
CJ33260	\$8270SMRDP	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Ground Water Protection	2800	270	1700	1700	ug/Kg
CJ33260	\$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Ground Water Protection	4800	270	1000	1000	ug/Kg
CJ33260	\$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	2600	270	500	500	ug/Kg
CJ33260	\$8270SMRDP	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential	1000	190	330	330	ug/Kg
CJ33260	\$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	3400	270	1000	1000	ug/Kg
CJ33260	\$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	4200	190	1000	1000	ug/Kg
CJ33260	\$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Residential	5700	270	1000	1000	ug/Kg
CJ33260	\$8270SMRDP	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	2800	270	1000	1000	ug/Kg
CJ33260	\$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	4800	270	1000	1000	ug/Kg
CJ33260	\$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	4800	270	1000	1000	ug/Kg
CJ33260	\$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	4200	190	1000	1000	ug/Kg
CJ33260	\$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	3400	270	1000	1000	ug/Kg
CJ33260	\$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	2600	270	500	500	ug/Kg
CJ33260	\$8270SMRDP	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	1000	190	330	330	ug/Kg
CJ33260	\$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Residential Restricted	5700	270	3900	3900	ug/Kg
CJ33260	\$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2600	270	500	500	ug/Kg

Tuesday, September 28, 2021

Criteria: NY: 375, 375COM, 375GWP, 375RRS, 375RS

State: NY

Sample Criteria Exceedances Report

GCJ33255 - BRUSSEE

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CJ33260	\$8270SMRDP	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1000	190	330	330	ug/Kg
CJ33260	\$8270SMRDP	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2800	270	800	800	ug/Kg
CJ33260	\$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	5700	270	1000	1000	ug/Kg
CJ33260	\$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	3400	270	1000	1000	ug/Kg
CJ33260	\$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	4800	270	1000	1000	ug/Kg
CJ33260	\$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	4200	190	1000	1000	ug/Kg
CJ33260	AS-SM	Arsenic	NY / 375-6.8 Metals / Commercial	22.0	0.82	16	16	mg/Kg
CJ33260	AS-SM	Arsenic	NY / 375-6.8 Metals / Ground Water Protection	22.0	0.82	16	16	mg/Kg
CJ33260	AS-SM	Arsenic	NY / 375-6.8 Metals / Residential	22.0	0.82	16	16	mg/Kg
CJ33260	AS-SM	Arsenic	NY / 375-6.8 Metals / Residential Restricted	22.0	0.82	16	16	mg/Kg
CJ33260	AS-SM	Arsenic	NY / 375-6.8 Metals / Unrestricted Use Soil	22.0	0.82	13	13	mg/Kg
CJ33260	CR-SM	Chromium	NY / 375-6.8 Metals / Unrestricted Use Soil	33.0	0.41	30		mg/Kg
CJ33260	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	159	0.8	50	50	mg/kg
CJ33260	HG-SM	Mercury	NY / 375-6.8 Metals / Ground Water Protection	1.19	0.03	0.73	0.73	mg/Kg
CJ33260	HG-SM	Mercury	NY / 375-6.8 Metals / Residential	1.19	0.03	0.81	0.81	mg/Kg
CJ33260	HG-SM	Mercury	NY / 375-6.8 Metals / Residential Restricted	1.19	0.03	0.81	0.81	mg/Kg
CJ33260	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	1.19	0.03	0.18	0.18	mg/Kg
CJ33260	PB-SMDP	Lead	NY / 375-6.8 Metals / Ground Water Protection	895	8.2	450	450	mg/Kg
CJ33260	PB-SMDP	Lead	NY / 375-6.8 Metals / Residential	895	8.2	400	400	mg/Kg
CJ33260	PB-SMDP	Lead	NY / 375-6.8 Metals / Residential Restricted	895	8.2	400	400	mg/Kg
CJ33260	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	895	8.2	63	63	mg/Kg
CJ33260	ZN-SMDP	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	437	8.2	109	109	mg/Kg
CJ33261	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.44	0.03	0.18	0.18	mg/Kg
CJ33261	PB-SMDP	Lead	NY / 375-6.8 Metals / Commercial	2070	6.5	1000	1000	mg/Kg
CJ33261	PB-SMDP	Lead	NY / 375-6.8 Metals / Ground Water Protection	2070	6.5	450	450	mg/Kg
CJ33261	PB-SMDP	Lead	NY / 375-6.8 Metals / Residential	2070	6.5	400	400	mg/Kg
CJ33261	PB-SMDP	Lead	NY / 375-6.8 Metals / Residential Restricted	2070	6.5	400	400	mg/Kg
CJ33261	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	2070	6.5	63	63	mg/Kg
CJ33262	CR-SM	Chromium	NY / 375-6.8 Metals / Unrestricted Use Soil	35.3	0.34	30		mg/Kg
CJ33262	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.20	0.03	0.18	0.18	mg/Kg
CJ33263	\$PESTSM_NY	4,4' -DDE	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	18	2.1	3.3	3.3	ug/Kg
CJ33263	\$PESTSM_NY	Dieldrin	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	7.8	3.5	5	5	ug/Kg
CJ33263	\$PESTSM_NY	4,4' -DDD	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	9.0	2.1	3.3	3.3	ug/Kg
CJ33263	\$PESTSM_NY	4,4' -DDT	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	26	2.1	3.3	3.3	ug/Kg
CJ33263	CR-SM	Chromium	NY / 375-6.8 Metals / Unrestricted Use Soil	34.2	0.35	30		mg/Kg
CJ33263	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	98.8	0.7	50	50	mg/kg
CJ33263	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.28	0.03	0.18	0.18	mg/Kg
CJ33263	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	295	0.7	63	63	mg/Kg
CJ33263	ZN-SMDP	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	304	0.7	109	109	mg/Kg

Tuesday, September 28, 2021

Criteria: NY: 375, 375COM, 375GWP, 375RRS, 375RS

State: NY

Sample Criteria Exceedances Report

GCJ33255 - BRUSSEE

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CJ33264	\$8260MADPR	Benzene	NY / 375-6.8 Volatiles / Ground Water Protection	140	60	60	60	ug/Kg
CJ33264	\$8260MADPR	Benzene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	140	60	60	60	ug/Kg
CJ33264	\$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Commercial	1800	180	1000	1000	ug/Kg
CJ33264	\$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Ground Water Protection	2000	260	1700	1700	ug/Kg
CJ33264	\$8270SMRDP	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Ground Water Protection	1800	260	1700	1700	ug/Kg
CJ33264	\$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Ground Water Protection	2000	260	1000	1000	ug/Kg
CJ33264	\$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Ground Water Protection	2100	260	1000	1000	ug/Kg
CJ33264	\$8270SMRDP	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential	370	180	330	330	ug/Kg
CJ33264	\$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	1500	260	500	500	ug/Kg
CJ33264	\$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Residential	2100	260	1000	1000	ug/Kg
CJ33264	\$8270SMRDP	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	1800	260	1000	1000	ug/Kg
CJ33264	\$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	2000	260	1000	1000	ug/Kg
CJ33264	\$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	1800	180	1000	1000	ug/Kg
CJ33264	\$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	2000	260	1000	1000	ug/Kg
CJ33264	\$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	2000	260	1000	1000	ug/Kg
CJ33264	\$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	1500	260	500	500	ug/Kg
CJ33264	\$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	1800	180	1000	1000	ug/Kg
CJ33264	\$8270SMRDP	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	370	180	330	330	ug/Kg
CJ33264	\$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	2000	260	1000	1000	ug/Kg
CJ33264	\$8270SMRDP	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1800	260	800	800	ug/Kg
CJ33264	\$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1800	180	1000	1000	ug/Kg
CJ33264	\$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2000	260	1000	1000	ug/Kg
CJ33264	\$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1500	260	500	500	ug/Kg
CJ33264	\$8270SMRDP	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	370	180	330	330	ug/Kg
CJ33264	\$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2000	260	1000	1000	ug/Kg
CJ33264	\$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2100	260	1000	1000	ug/Kg
CJ33264	\$PCB_SMRDP	PCB-1254	NY / 375-6.8 PCBs/Pesticides / Commercial	5700	740	1000	1000	ug/Kg
CJ33264	\$PCB_SMRDP	PCB-1254	NY / 375-6.8 PCBs/Pesticides / Residential	5700	740	1000	1000	ug/Kg
CJ33264	\$PCB_SMRDP	PCB-1254	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	5700	740	100	100	ug/Kg
CJ33264	\$PCB_SMRDP	PCB-1248	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	740	100	100	ug/Kg
CJ33264	\$PCB_SMRDP	PCB-1268	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	740	100	100	ug/Kg
CJ33264	\$PCB_SMRDP	PCB-1260	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	740	100	100	ug/Kg
CJ33264	\$PCB_SMRDP	PCB-1016	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	740	100	100	ug/Kg
CJ33264	\$PCB_SMRDP	PCB-1221	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	740	100	100	ug/Kg
CJ33264	\$PCB_SMRDP	PCB-1232	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	740	100	100	ug/Kg
CJ33264	\$PCB_SMRDP	PCB-1242	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	740	100	100	ug/Kg
CJ33264	\$PCB_SMRDP	PCB-1262	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	740	100	100	ug/Kg
CJ33264	\$PESTSM_NY	4,4' -DDD	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	50	3.3	3.3	ug/Kg
CJ33264	\$PESTSM_NY	Endrin	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	19	14	14	ug/Kg
CJ33264	\$PESTSM_NY	Dieldrin	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	7.4	5	5	ug/Kg
CJ33264	\$PESTSM_NY	Aldrin	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	7.4	5	5	ug/Kg
CJ33264	\$PESTSM_NY	a-Chlordane	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	100	94	94	ug/Kg

Tuesday, September 28, 2021

Criteria: NY: 375, 375COM, 375GWP, 375RRS, 375RS

State: NY

Sample Criteria Exceedances Report

GCJ33255 - BRUSSEE

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CJ33264	\$PESTSM_NY	4,4' -DDE	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	110	3.3	3.3	ug/Kg
CJ33264	\$PESTSM_NY	4,4' -DDT	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	500	3.3	3.3	ug/Kg
CJ33264	BA-SMDP	Barium	NY / 375-6.8 Metals / Commercial	1540	7.0	400	400	mg/Kg
CJ33264	BA-SMDP	Barium	NY / 375-6.8 Metals / Ground Water Protection	1540	7.0	820	820	mg/Kg
CJ33264	BA-SMDP	Barium	NY / 375-6.8 Metals / Residential	1540	7.0	350	350	mg/Kg
CJ33264	BA-SMDP	Barium	NY / 375-6.8 Metals / Residential Restricted	1540	7.0	400	400	mg/Kg
CJ33264	BA-SMDP	Barium	NY / 375-6.8 Metals / Unrestricted Use Soil	1540	7.0	350	350	mg/Kg
CJ33264	CD-SM	Cadmium	NY / 375-6.8 Metals / Residential	2.58	0.35	2.5	2.5	mg/Kg
CJ33264	CD-SM	Cadmium	NY / 375-6.8 Metals / Unrestricted Use Soil	2.58	0.35	2.5	2.5	mg/Kg
CJ33264	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	128	0.7	50	50	mg/kg
CJ33264	HG-SM	Mercury	NY / 375-6.8 Metals / Ground Water Protection	1.66	0.06	0.73	0.73	mg/Kg
CJ33264	HG-SM	Mercury	NY / 375-6.8 Metals / Residential	1.66	0.06	0.81	0.81	mg/Kg
CJ33264	HG-SM	Mercury	NY / 375-6.8 Metals / Residential Restricted	1.66	0.06	0.81	0.81	mg/Kg
CJ33264	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	1.66	0.06	0.18	0.18	mg/Kg
CJ33264	PB-SMDP	Lead	NY / 375-6.8 Metals / Ground Water Protection	951	7.0	450	450	mg/Kg
CJ33264	PB-SMDP	Lead	NY / 375-6.8 Metals / Residential	951	7.0	400	400	mg/Kg
CJ33264	PB-SMDP	Lead	NY / 375-6.8 Metals / Residential Restricted	951	7.0	400	400	mg/Kg
CJ33264	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	951	7.0	63	63	mg/Kg
CJ33264	ZN-SMDP	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	873	7.0	109	109	mg/Kg
CJ33265	\$8270SMRDP	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Commercial	640	190	560	560	ug/Kg
CJ33265	\$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Commercial	3700	190	1000	1000	ug/Kg
CJ33265	\$8270SMRDP	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Ground Water Protection	3600	270	1700	1700	ug/Kg
CJ33265	\$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Ground Water Protection	3500	270	1000	1000	ug/Kg
CJ33265	\$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Ground Water Protection	3900	270	1000	1000	ug/Kg
CJ33265	\$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Ground Water Protection	4000	270	1700	1700	ug/Kg
CJ33265	\$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	2800	270	500	500	ug/Kg
CJ33265	\$8270SMRDP	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential	640	190	330	330	ug/Kg
CJ33265	\$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Residential	3900	270	1000	1000	ug/Kg
CJ33265	\$8270SMRDP	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	3600	270	1000	1000	ug/Kg
CJ33265	\$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	4000	270	1000	1000	ug/Kg
CJ33265	\$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	3500	270	1000	1000	ug/Kg
CJ33265	\$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	3700	190	1000	1000	ug/Kg
CJ33265	\$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	3500	270	1000	1000	ug/Kg
CJ33265	\$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	2800	270	500	500	ug/Kg
CJ33265	\$8270SMRDP	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	640	190	330	330	ug/Kg
CJ33265	\$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	3700	190	1000	1000	ug/Kg
CJ33265	\$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	4000	270	1000	1000	ug/Kg
CJ33265	\$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	3500	270	1000	1000	ug/Kg
CJ33265	\$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2800	270	500	500	ug/Kg
CJ33265	\$8270SMRDP	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	3600	270	800	800	ug/Kg
CJ33265	\$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	3700	190	1000	1000	ug/Kg

Tuesday, September 28, 2021

Criteria: NY: 375, 375COM, 375GWP, 375RRS, 375RS

State: NY

Sample Criteria Exceedances Report

GCJ33255 - BRUSSEE

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CJ33265	\$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	4000	270	1000	1000	ug/Kg
CJ33265	\$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	3900	270	1000	1000	ug/Kg
CJ33265	\$8270SMRDP	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	640	190	330	330	ug/Kg
CJ33265	\$PCB_SMRDP	PCB-1254	NY / 375-6.8 PCBs/Pesticides / Commercial	1900	770	1000	1000	ug/Kg
CJ33265	\$PCB_SMRDP	PCB-1254	NY / 375-6.8 PCBs/Pesticides / Residential	1900	770	1000	1000	ug/Kg
CJ33265	\$PCB_SMRDP	PCB-1268	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	770	100	100	ug/Kg
CJ33265	\$PCB_SMRDP	PCB-1262	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	770	100	100	ug/Kg
CJ33265	\$PCB_SMRDP	PCB-1260	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	770	100	100	ug/Kg
CJ33265	\$PCB_SMRDP	PCB-1254	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	1900	770	100	100	ug/Kg
CJ33265	\$PCB_SMRDP	PCB-1248	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	770	100	100	ug/Kg
CJ33265	\$PCB_SMRDP	PCB-1242	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	770	100	100	ug/Kg
CJ33265	\$PCB_SMRDP	PCB-1232	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	770	100	100	ug/Kg
CJ33265	\$PCB_SMRDP	PCB-1016	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	770	100	100	ug/Kg
CJ33265	\$PCB_SMRDP	PCB-1221	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	770	100	100	ug/Kg
CJ33265	\$PESTSM_NY	a-BHC	NY / 375-6.8 PCBs/Pesticides / Ground Water Protectio	ND	38	20	20	ug/Kg
CJ33265	\$PESTSM_NY	Aldrin	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	19	5	5	ug/Kg
CJ33265	\$PESTSM_NY	b-BHC	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	38	36	36	ug/Kg
CJ33265	\$PESTSM_NY	Endrin	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	38	14	14	ug/Kg
CJ33265	\$PESTSM_NY	4,4' -DDT	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	50	3.3	3.3	ug/Kg
CJ33265	\$PESTSM_NY	4,4' -DDE	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	80	3.3	3.3	ug/Kg
CJ33265	\$PESTSM_NY	4,4' -DDD	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	450	3.3	3.3	ug/Kg
CJ33265	\$PESTSM_NY	Dieldrin	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	30	5	5	ug/Kg
CJ33265	\$PESTSM_NY	a-BHC	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	38	20	20	ug/Kg
CJ33265	AG-SM	Silver	NY / 375-6.8 Metals / Unrestricted Use Soil	2.38	0.36	2	2	mg/Kg
CJ33265	AS-SM	Arsenic	NY / 375-6.8 Metals / Commercial	23.6	0.73	16	16	mg/Kg
CJ33265	AS-SM	Arsenic	NY / 375-6.8 Metals / Ground Water Protection	23.6	0.73	16	16	mg/Kg
CJ33265	AS-SM	Arsenic	NY / 375-6.8 Metals / Residential	23.6	0.73	16	16	mg/Kg
CJ33265	AS-SM	Arsenic	NY / 375-6.8 Metals / Residential Restricted	23.6	0.73	16	16	mg/Kg
CJ33265	AS-SM	Arsenic	NY / 375-6.8 Metals / Unrestricted Use Soil	23.6	0.73	13	13	mg/Kg
CJ33265	BA-SMDP	Barium	NY / 375-6.8 Metals / Commercial	1330	0.7	400	400	mg/Kg
CJ33265	BA-SMDP	Barium	NY / 375-6.8 Metals / Ground Water Protection	1330	0.7	820	820	mg/Kg
CJ33265	BA-SMDP	Barium	NY / 375-6.8 Metals / Residential	1330	0.7	350	350	mg/Kg
CJ33265	BA-SMDP	Barium	NY / 375-6.8 Metals / Residential Restricted	1330	0.7	400	400	mg/Kg
CJ33265	BA-SMDP	Barium	NY / 375-6.8 Metals / Unrestricted Use Soil	1330	0.7	350	350	mg/Kg
CJ33265	CD-SM	Cadmium	NY / 375-6.8 Metals / Commercial	67.9	0.36	9.3	9.3	mg/Kg
CJ33265	CD-SM	Cadmium	NY / 375-6.8 Metals / Ground Water Protection	67.9	0.36	7.5	7.5	mg/Kg
CJ33265	CD-SM	Cadmium	NY / 375-6.8 Metals / Residential	67.9	0.36	2.5	2.5	mg/Kg
CJ33265	CD-SM	Cadmium	NY / 375-6.8 Metals / Residential Restricted	67.9	0.36	4.3	4.3	mg/Kg
CJ33265	CD-SM	Cadmium	NY / 375-6.8 Metals / Unrestricted Use Soil	67.9	0.36	2.5	2.5	mg/Kg
CJ33265	CR-SM	Chromium	NY / 375-6.8 Metals / Unrestricted Use Soil	138	0.36	30		mg/Kg
CJ33265	CU-SM	Copper	NY / 375-6.8 Metals / Commercial	476	7.3	270	270	mg/kg
CJ33265	CU-SM	Copper	NY / 375-6.8 Metals / Residential	476	7.3	270	270	mg/kg

Tuesday, September 28, 2021

Criteria: NY: 375, 375COM, 375GWP, 375RRS, 375RS

State: NY

Sample Criteria Exceedances Report

GCJ33255 - BRUSSEE

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CJ33265	CU-SM	Copper	NY / 375-6.8 Metals / Residential Restricted	476	7.3	270	270	mg/kg
CJ33265	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	476	7.3	50	50	mg/kg
CJ33265	HG-SM	Mercury	NY / 375-6.8 Metals / Commercial	8.05	1.5	2.8	2.8	mg/Kg
CJ33265	HG-SM	Mercury	NY / 375-6.8 Metals / Ground Water Protection	8.05	1.5	0.73	0.73	mg/Kg
CJ33265	HG-SM	Mercury	NY / 375-6.8 Metals / Residential	8.05	1.5	0.81	0.81	mg/Kg
CJ33265	HG-SM	Mercury	NY / 375-6.8 Metals / Residential Restricted	8.05	1.5	0.81	0.81	mg/Kg
CJ33265	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	8.05	1.5	0.18	0.18	mg/Kg
CJ33265	NI-SM	Nickel	NY / 375-6.8 Metals / Unrestricted Use Soil	91.4	0.36	30	30	mg/Kg
CJ33265	PB-SMDP	Lead	NY / 375-6.8 Metals / Commercial	6970	7.3	1000	1000	mg/Kg
CJ33265	PB-SMDP	Lead	NY / 375-6.8 Metals / Ground Water Protection	6970	7.3	450	450	mg/Kg
CJ33265	PB-SMDP	Lead	NY / 375-6.8 Metals / Residential	6970	7.3	400	400	mg/Kg
CJ33265	PB-SMDP	Lead	NY / 375-6.8 Metals / Residential Restricted	6970	7.3	400	400	mg/Kg
CJ33265	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	6970	7.3	63	63	mg/Kg
CJ33265	ZN-SMDP	Zinc	NY / 375-6.8 Metals / Ground Water Protection	4610	73	2480	2480	mg/Kg
CJ33265	ZN-SMDP	Zinc	NY / 375-6.8 Metals / Residential	4610	73	2200	2200	mg/Kg
CJ33265	ZN-SMDP	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	4610	73	109	109	mg/Kg
CJ33266	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.21	0.03	0.18	0.18	mg/Kg
CJ33266	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	289	0.7	63	63	mg/Kg
CJ33266	ZN-SMDP	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	175	0.7	109	109	mg/Kg
CJ33267	\$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Commercial	2600	190	1000	1000	ug/Kg
CJ33267	\$8270SMRDP	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Ground Water Protection	2100	270	1700	1700	ug/Kg
CJ33267	\$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Ground Water Protection	2900	270	1000	1000	ug/Kg
CJ33267	\$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Ground Water Protection	2600	270	1700	1700	ug/Kg
CJ33267	\$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Ground Water Protection	2600	270	1000	1000	ug/Kg
CJ33267	\$8270SMRDP	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	2100	270	1000	1000	ug/Kg
CJ33267	\$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	2100	270	500	500	ug/Kg
CJ33267	\$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	2600	270	1000	1000	ug/Kg
CJ33267	\$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Residential	2900	270	1000	1000	ug/Kg
CJ33267	\$8270SMRDP	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential	520	190	330	330	ug/Kg
CJ33267	\$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	2600	190	1000	1000	ug/Kg
CJ33267	\$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	2600	270	1000	1000	ug/Kg
CJ33267	\$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	2600	270	1000	1000	ug/Kg
CJ33267	\$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	2100	270	500	500	ug/Kg
CJ33267	\$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	2600	270	1000	1000	ug/Kg
CJ33267	\$8270SMRDP	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	520	190	330	330	ug/Kg
CJ33267	\$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	2600	190	1000	1000	ug/Kg
CJ33267	\$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2100	270	500	500	ug/Kg
CJ33267	\$8270SMRDP	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	520	190	330	330	ug/Kg
CJ33267	\$8270SMRDP	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2100	270	800	800	ug/Kg
CJ33267	\$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2600	270	1000	1000	ug/Kg

Sample Criteria Exceedances Report

GCJ33255 - BRUSSEE

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CJ33267	\$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2600	270	1000	1000	ug/Kg
CJ33267	\$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2600	190	1000	1000	ug/Kg
CJ33267	\$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2900	270	1000	1000	ug/Kg
CJ33267	AS-SM	Arsenic	NY / 375-6.8 Metals / Commercial	35.1	0.69	16	16	mg/Kg
CJ33267	AS-SM	Arsenic	NY / 375-6.8 Metals / Ground Water Protection	35.1	0.69	16	16	mg/Kg
CJ33267	AS-SM	Arsenic	NY / 375-6.8 Metals / Residential	35.1	0.69	16	16	mg/Kg
CJ33267	AS-SM	Arsenic	NY / 375-6.8 Metals / Residential Restricted	35.1	0.69	16	16	mg/Kg
CJ33267	AS-SM	Arsenic	NY / 375-6.8 Metals / Unrestricted Use Soil	35.1	0.69	13	13	mg/Kg
CJ33267	BA-SMDP	Barium	NY / 375-6.8 Metals / Commercial	451	0.7	400	400	mg/Kg
CJ33267	BA-SMDP	Barium	NY / 375-6.8 Metals / Residential	451	0.7	350	350	mg/Kg
CJ33267	BA-SMDP	Barium	NY / 375-6.8 Metals / Residential Restricted	451	0.7	400	400	mg/Kg
CJ33267	BA-SMDP	Barium	NY / 375-6.8 Metals / Unrestricted Use Soil	451	0.7	350	350	mg/Kg
CJ33267	CD-SM	Cadmium	NY / 375-6.8 Metals / Ground Water Protection	7.71	0.35	7.5	7.5	mg/Kg
CJ33267	CD-SM	Cadmium	NY / 375-6.8 Metals / Residential	7.71	0.35	2.5	2.5	mg/Kg
CJ33267	CD-SM	Cadmium	NY / 375-6.8 Metals / Residential Restricted	7.71	0.35	4.3	4.3	mg/Kg
CJ33267	CD-SM	Cadmium	NY / 375-6.8 Metals / Unrestricted Use Soil	7.71	0.35	2.5	2.5	mg/Kg
CJ33267	CR-SM	Chromium	NY / 375-6.8 Metals / Unrestricted Use Soil	34.0	0.35	30		mg/Kg
CJ33267	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	125	0.7	50	50	mg/kg
CJ33267	HG-SM	Mercury	NY / 375-6.8 Metals / Ground Water Protection	0.84	0.03	0.73	0.73	mg/Kg
CJ33267	HG-SM	Mercury	NY / 375-6.8 Metals / Residential	0.84	0.03	0.81	0.81	mg/Kg
CJ33267	HG-SM	Mercury	NY / 375-6.8 Metals / Residential Restricted	0.84	0.03	0.81	0.81	mg/Kg
CJ33267	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.84	0.03	0.18	0.18	mg/Kg
CJ33267	PB-SMDP	Lead	NY / 375-6.8 Metals / Commercial	3360	6.9	1000	1000	mg/Kg
CJ33267	PB-SMDP	Lead	NY / 375-6.8 Metals / Ground Water Protection	3360	6.9	450	450	mg/Kg
CJ33267	PB-SMDP	Lead	NY / 375-6.8 Metals / Residential	3360	6.9	400	400	mg/Kg
CJ33267	PB-SMDP	Lead	NY / 375-6.8 Metals / Residential Restricted	3360	6.9	400	400	mg/Kg
CJ33267	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	3360	6.9	63	63	mg/Kg
CJ33267	ZN-SMDP	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	2120	6.9	109	109	mg/Kg
CJ33268	\$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Commercial	5200	180	1000	1000	ug/Kg
CJ33268	\$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Commercial	5800	260	5600	5600	ug/Kg
CJ33268	\$8270SMRDP	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Commercial	830	180	560	560	ug/Kg
CJ33268	\$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Ground Water Protection	5800	260	1000	1000	ug/Kg
CJ33268	\$8270SMRDP	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Ground Water Protection	4000	260	1700	1700	ug/Kg
CJ33268	\$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Ground Water Protection	4900	260	1700	1700	ug/Kg
CJ33268	\$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Ground Water Protection	5800	260	1000	1000	ug/Kg
CJ33268	\$8270SMRDP	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	4000	260	1000	1000	ug/Kg
CJ33268	\$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	3200	260	500	500	ug/Kg
CJ33268	\$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	5800	260	1000	1000	ug/Kg
CJ33268	\$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	5200	180	1000	1000	ug/Kg
CJ33268	\$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	4900	260	1000	1000	ug/Kg
CJ33268	\$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Residential	5800	260	1000	1000	ug/Kg

Tuesday, September 28, 2021

Criteria: NY: 375, 375COM, 375GWP, 375RRS, 375RS

State: NY

Sample Criteria Exceedances Report

G CJ33255 - BRUSSEE

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CJ33268	\$8270SMRDP	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential	830	180	330	330	ug/Kg
CJ33268	\$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Residential Restricted	5800	260	3900	3900	ug/Kg
CJ33268	\$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	3200	260	500	500	ug/Kg
CJ33268	\$8270SMRDP	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	830	180	330	330	ug/Kg
CJ33268	\$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	5800	260	1000	1000	ug/Kg
CJ33268	\$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	4900	260	1000	1000	ug/Kg
CJ33268	\$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	5200	180	1000	1000	ug/Kg
CJ33268	\$8270SMRDP	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	4000	260	3900	3900	ug/Kg
CJ33268	\$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	3200	260	500	500	ug/Kg
CJ33268	\$8270SMRDP	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	830	180	330	330	ug/Kg
CJ33268	\$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	5800	260	1000	1000	ug/Kg
CJ33268	\$8270SMRDP	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	4000	260	800	800	ug/Kg
CJ33268	\$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	4900	260	1000	1000	ug/Kg
CJ33268	\$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	5800	260	1000	1000	ug/Kg
CJ33268	\$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	5200	180	1000	1000	ug/Kg
CJ33268	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	152	6.7	50	50	mg/kg
CJ33268	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.55	0.03	0.18	0.18	mg/Kg
CJ33268	NI-SM	Nickel	NY / 375-6.8 Metals / Unrestricted Use Soil	54.3	0.33	30	30	mg/Kg
CJ33268	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	396	0.7	63	63	mg/Kg
CJ33268	ZN-SMDP	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	677	6.7	109	109	mg/Kg
CJ33269	\$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Commercial	2700	180	1000	1000	ug/Kg
CJ33269	\$8270SMRDP	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Ground Water Protection	2100	260	1700	1700	ug/Kg
CJ33269	\$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Ground Water Protection	2500	260	1700	1700	ug/Kg
CJ33269	\$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Ground Water Protection	2900	260	1000	1000	ug/Kg
CJ33269	\$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Ground Water Protection	3100	260	1000	1000	ug/Kg
CJ33269	\$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Residential	2900	260	1000	1000	ug/Kg
CJ33269	\$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	2700	180	1000	1000	ug/Kg
CJ33269	\$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	2500	260	1000	1000	ug/Kg
CJ33269	\$8270SMRDP	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	2100	260	1000	1000	ug/Kg
CJ33269	\$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	2000	260	500	500	ug/Kg
CJ33269	\$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	3100	260	1000	1000	ug/Kg
CJ33269	\$8270SMRDP	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential	410	180	330	330	ug/Kg
CJ33269	\$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	2700	180	1000	1000	ug/Kg
CJ33269	\$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	3100	260	1000	1000	ug/Kg
CJ33269	\$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	2500	260	1000	1000	ug/Kg
CJ33269	\$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	2000	260	500	500	ug/Kg
CJ33269	\$8270SMRDP	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	410	180	330	330	ug/Kg
CJ33269	\$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2000	260	500	500	ug/Kg
CJ33269	\$8270SMRDP	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	410	180	330	330	ug/Kg
CJ33269	\$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2900	260	1000	1000	ug/Kg
CJ33269	\$8270SMRDP	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2100	260	800	800	ug/Kg

Tuesday, September 28, 2021

Criteria: NY: 375, 375COM, 375GWP, 375RRS, 375RS

State: NY

Sample Criteria Exceedances Report

GCJ33255 - BRUSSEE

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CJ33269	\$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	3100	260	1000	1000	ug/Kg
CJ33269	\$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2500	260	1000	1000	ug/Kg
CJ33269	\$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2700	180	1000	1000	ug/Kg
CJ33269	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.26	0.03	0.18	0.18	mg/Kg
CJ33269	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	286	0.8	63	63	mg/Kg
CJ33269	ZN-SMDP	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	190	0.8	109	109	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 exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.



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



Analysis Comments

September 28, 2021

SDG I.D.: GCJ33255

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

ICP Metals Narration

ARCOS 09/21/21 08:04: CJ33260, CJ33261, CJ33262, CJ33263, CJ33264, CJ33265, CJ33266, CJ33267, CJ33268, CJ33269

The following Continuing Calibration Verification (CCV) compounds did not meet criteria:

CCV 09/22/21 03:49: Copper 89% (90-110) CJ33264, CJ33265, CJ33266, CJ33267, CJ33268, CJ33269

Additional criteria for CCV and ICSAB:

Sodium and Potassium are poor performing elements, the laboratory's in-house limits are 85-115% (CCV) and 70-130% (ICSAB).

PEST Narration

AU-ECD4 09/22/21-1: CJ33255, CJ33263, CJ33266, CJ33267, CJ33268

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

Samples: CJ33255

Preceding CC 922B046 - % DCBP 22%L (20%)

Succeeding CC 922B054 - None.

SVOA Narration

CHEM22 09/21/21-1: CJ33255, CJ33256, CJ33257

The following Initial Calibration compounds did not meet recommended response factors: 2-Nitrophenol 0.072 (0.1), Hexachlorobenzene 0.096 (0.1)

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

The following Continuing Calibration compounds did not meet % deviation criteria: % 2,4,6-Tribromophenol 39%H (30%), 2-Nitrophenol 31%H (30%), 4-Nitrophenol 37%H (30%)

The following Continuing Calibration compounds did not meet Maximum % deviation criteria: None.

The following Continuing Calibration compounds did not meet recommended response factors: 2-Nitrophenol 0.094 (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

CHEM03 09/21/21-2: CJ33255, CJ33256, CJ33257, CJ33258, CJ33259, CJ33260

The following Initial Calibration compounds did not meet RSD% criteria: Acetone 22% (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 0.065 (0.1), Acrolein 0.022 (0.05), Tetrachloroethene 0.179 (0.2)

The following Initial Calibration compounds did not meet minimum response factors: Acrolein 0.022 (0.05)

The following Continuing Calibration compounds did not meet % deviation criteria: Acetone 31%L (30%)

The following Continuing Calibration compounds did not meet Maximum % deviation criteria: None.

The following Continuing Calibration compounds did not meet recommended response factors: Acetone 0.045 (0.05), Acrolein 0.023 (0.05)

The following Continuing Calibration compounds did not meet minimum response factors: Acetone 0.065 (0.05), Acrolein 0.022 (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%.

CHEM03 09/22/21-2: CJ33261, CJ33262, CJ33263, CJ33264, CJ33265, CJ33266, CJ33267, CJ33268, CJ33269, CJ33270



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



Analysis Comments

September 28, 2021

SDG I.D.: GCJ33255

The following Initial Calibration compounds did not meet RSD% criteria: Acetone 22% (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 0.065 (0.1), Acrolein 0.022 (0.05), Tetrachloroethene 0.179 (0.2)
The following Initial Calibration compounds did not meet minimum response factors: Acrolein 0.022 (0.05)

The following Continuing Calibration compounds did not meet recommended response factors: Acetone 0.046 (0.05), Acrolein 0.023 (0.05)
The following Continuing Calibration compounds did not meet minimum response factors: Acetone 0.065 (0.05), Acrolein 0.022 (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%.

CHEM03 09/23/21-1: CJ33264

The following Initial Calibration compounds did not meet RSD% criteria: Acetone 22% (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 0.065 (0.1), Acrolein 0.022 (0.05), Tetrachloroethene 0.179 (0.2)
The following Initial Calibration compounds did not meet minimum response factors: Acrolein 0.022 (0.05)

The following Continuing Calibration compounds did not meet recommended response factors: Acetone 0.046 (0.05), Acrolein 0.023 (0.05)
The following Continuing Calibration compounds did not meet minimum response factors: Acetone 0.065 (0.05), Acrolein 0.022 (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%.

CHEM14 09/22/21-1: CJ33271

The following Initial Calibration compounds did not meet RSD% criteria: trans-1,4-dichloro-2-butene 22% (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 0.098 (0.1), Acrolein 0.048 (0.05)
The following Initial Calibration compounds did not meet minimum response factors: Acrolein 0.048 (0.05)

The following Continuing Calibration compounds did not meet recommended response factors: Acrolein 0.039 (0.05)
The following Continuing Calibration compounds did not meet minimum response factors: Acrolein 0.048 (0.05)

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



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



NY Temperature Narration

September 28, 2021

SDG I.D.: GCJ33255

The samples in this delivery group were received at 2.8°C.
(Note acceptance criteria for relevant matrices is above freezing up to 6°C)

Cooler: Yes No
 Coolant: IPK ICE

Temp 2.8°C Pg 2 of 2
 Contact Options:

Phone:
 Fax:
 Email: Kevin.Brussée@Christmali.com

Project P.O.: BRONX, NY
 Report to: BEC
 Invoice to: BEC
 QUOTE #:

This section MUST be completed with Bottle Quantities.

NY/NJ/PA CHAIN OF CUSTODY RECORD

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



Customer: BRUSSEE ENVIRONMENTAL CORP
 Address: 14 EVANS LANE
MILLER PLACE, NY 11764

Project: 188 EAST 135th ST. BRONX, NY
 Report to: BEC
 Invoice to: BEC
 QUOTE #:

Sampler's Signature: [Signature] Date: 9-20-21

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

Analysis Request
VOCs 8260
TAL METALS
PESTICIDES / PCBs

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	Analysis Request	GL Amber 8 oz w/37504	GL Soil container () oz	GL Amber 100ml [As is] [HCl]	PL As is [250ml] [500ml] [1000ml]	PL H2SO4 [250ml] [500ml] [1000ml]	PL MCH 250ml	PL FNO3 250ml	Bacteria Bottle w/ase
33266	20BF (3-5)	Soil	9/20	1005	X X X	1							
33267	20BF (6-2)			1030	X X X	1							
33268	20BF (3-5)			1040	X X X	1							
33269	Duplicate				X X X	1							
33270	T.P. Blank LL				X								
33271	TB H												

Relinquished by: [Signature] Accepted by: [Signature]
 Date: 9/21/21 9:11
 Date: 9/21/21 15:23

Comments, Special Requirements or Regulations:

Data Format:
 Phoenix Std Report EQUIS
 Excel NJ Hazsite EDD
 PDF NY EZ EDD (ASP)
 GIS/Key Other

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

Res. Criteria
 Non-Res. Criteria
 Impact to GW Soil Cleanup Criteria
 Impact to GW soil screen Criteria
 GW Criteria

NY
 TOGS GW
 CP-51 SOIL
 375SCO
 Unrestricted Soil
 375SCO
 Residential Soil
 Residential Restricted Soil
 375SCO
 Commercial Soil
 375SCO
 Industrial Soil
 Subpart 5 DW

PA
 Clean Fill Limits
 PA-GW
 Reg Fill Limits
 PA Soil Restricted
 PA Soil non-restricted

State Samples Collected? NY