PHOENIX
Environmental Laboratories, Inc.

Monday, January 20, 2020

Attn: Bill Simpson
EPS of Vermont
532 State Fair Blvd
Syracuse, NY 13204

Project ID: **H.L FAYETTEVILLE**
SDG ID: **GCF11649**
Sample ID#s: **CF11649 - CF11650**

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

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

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

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

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

Sincerely yours,

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #M-CT007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
UT Lab Registration #CT00007
VT Lab Registration #VT11301

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

NY # 11301

SDG Comments

January 20, 2020

SDG I.D.: GCF11649

CF11649 - Client provided soil jar for volatile analysis. Phoenix prepared sample per method 5035.

CF11650 - Client provided soil jar for volatile analysis. Phoenix prepared sample per method 5035.

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Sample Id Cross Reference

January 20, 2020

SDG I.D.: GCF11649

Project ID: H.L FAYETTEVILLE

Client Id	Lab Id	Matrix
CISTERN 1	CF11649	SOIL
POST EXC.	CF11650	SOIL

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

January 20, 2020

FOR: Attn: Bill Simpson
EPS of Vermont
532 State Fair Blvd
Syracuse, NY 13204

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		01/13/20	12:05
Location Code:	EP&SSYRC	Received by:	CP	01/14/20	10:49
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	43283N				

Laboratory Data

SDG ID: GCF11649
Phoenix ID: CF11649

Project ID: H.L FAYETTEVILLE
Client ID: CISTERN 1

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	88		%		01/14/20	VT	SW846-%Solid
Soil Extraction for SVOA	Completed				01/14/20	R/K/AL	SW3545A
Volatiles							
1,1,1,2-Tetrachloroethane	< 6.3	L 6.3	mg/Kg	1000	01/15/20	JLI	SW8260C
1,1,1-Trichloroethane	< 6.3	L 6.3	mg/Kg	1000	01/15/20	JLI	SW8260C
1,1,2,2-Tetrachloroethane	< 6.3	L 6.3	mg/Kg	1000	01/15/20	JLI	SW8260C
1,1,2-Trichloroethane	< 6.3	L 6.3	mg/Kg	1000	01/15/20	JLI	SW8260C
1,1-Dichloroethane	< 6.3	L 6.3	mg/Kg	1000	01/15/20	JLI	SW8260C
1,1-Dichloroethene	< 6.3	L 6.3	mg/Kg	1000	01/15/20	JLI	SW8260C
1,1-Dichloropropene	< 6.3	L 6.3	mg/Kg	1000	01/15/20	JLI	SW8260C
1,2,3-Trichlorobenzene	< 6.3	L 6.3	mg/Kg	1000	01/15/20	JLI	SW8260C
1,2,3-Trichloropropane	< 6.3	L 6.3	mg/Kg	1000	01/15/20	JLI	SW8260C
1,2,4-Trichlorobenzene	< 6.3	L 6.3	mg/Kg	1000	01/15/20	JLI	SW8260C
1,2,4-Trimethylbenzene	3	L 2.5	mg/Kg	1000	01/15/20	JLI	SW8260C
1,2-Dibromo-3-chloropropane	< 6.3	L 6.3	mg/Kg	1000	01/15/20	JLI	SW8260C
1,2-Dibromoethane	< 6.3	L 6.3	mg/Kg	1000	01/15/20	JLI	SW8260C
1,2-Dichlorobenzene	6.8	L 6.3	mg/Kg	1000	01/15/20	JLI	SW8260C
1,2-Dichloroethane	< 6.3	L 6.3	mg/Kg	1000	01/15/20	JLI	SW8260C
1,2-Dichloropropane	< 6.3	L 6.3	mg/Kg	1000	01/15/20	JLI	SW8260C
1,3,5-Trimethylbenzene	< 6.3	L 6.3	mg/Kg	1000	01/15/20	JLI	SW8260C
1,3-Dichlorobenzene	29	L 6.3	mg/Kg	1000	01/15/20	JLI	SW8260C
1,3-Dichloropropane	< 6.3	L 6.3	mg/Kg	1000	01/15/20	JLI	SW8260C
1,4-Dichlorobenzene	120	L 6.3	mg/Kg	1000	01/15/20	JLI	SW8260C
2,2-Dichloropropane	< 6.3	L 6.3	mg/Kg	1000	01/15/20	JLI	SW8260C
2-Chlorotoluene	< 6.3	L 6.3	mg/Kg	1000	01/15/20	JLI	SW8260C
2-Hexanone	< 32	L 32	mg/Kg	1000	01/15/20	JLI	SW8260C
2-Isopropyltoluene	< 6.3	L 6.3	mg/Kg	1000	01/15/20	JLI	SW8260C 1

Project ID: H.L FAYETTEVILLE
Client ID: CISTERN 1

Phoenix I.D.: CF11649

Parameter	Result		RL/ PQL	Units	Dilution	Date/Time	By	Reference
4-Chlorotoluene	< 6.3	L	6.3	mg/Kg	1000	01/15/20	JLI	SW8260C
4-Methyl-2-pentanone	< 32	L	32	mg/Kg	1000	01/15/20	JLI	SW8260C
Acetone	< 32	L	32	mg/Kg	1000	01/15/20	JLI	SW8260C
Acrylonitrile	< 13	L	13	mg/Kg	1000	01/15/20	JLI	SW8260C
Benzene	< 0.63	L	0.63	mg/Kg	1000	01/15/20	JLI	SW8260C
Bromobenzene	< 6.3	L	6.3	mg/Kg	1000	01/15/20	JLI	SW8260C
Bromochloromethane	< 6.3	L	6.3	mg/Kg	1000	01/15/20	JLI	SW8260C
Bromodichloromethane	< 6.3	L	6.3	mg/Kg	1000	01/15/20	JLI	SW8260C
Bromoform	< 6.3	L	6.3	mg/Kg	1000	01/15/20	JLI	SW8260C
Bromomethane	< 6.3	L	6.3	mg/Kg	1000	01/15/20	JLI	SW8260C
Carbon Disulfide	< 6.3	L	6.3	mg/Kg	1000	01/15/20	JLI	SW8260C
Carbon tetrachloride	< 6.3	L	6.3	mg/Kg	1000	01/15/20	JLI	SW8260C
Chlorobenzene	100	L	6.3	mg/Kg	1000	01/15/20	JLI	SW8260C
Chloroethane	< 6.3	L	6.3	mg/Kg	1000	01/15/20	JLI	SW8260C
Chloroform	< 6.3	L	6.3	mg/Kg	1000	01/15/20	JLI	SW8260C
Chloromethane	< 6.3	L	6.3	mg/Kg	1000	01/15/20	JLI	SW8260C
cis-1,2-Dichloroethene	120	L	6.3	mg/Kg	1000	01/15/20	JLI	SW8260C
cis-1,3-Dichloropropene	< 6.3	L	6.3	mg/Kg	1000	01/15/20	JLI	SW8260C
Dibromochloromethane	< 6.3	L	6.3	mg/Kg	1000	01/15/20	JLI	SW8260C
Dibromomethane	< 6.3	L	6.3	mg/Kg	1000	01/15/20	JLI	SW8260C
Dichlorodifluoromethane	< 6.3	L	6.3	mg/Kg	1000	01/15/20	JLI	SW8260C
Ethylbenzene	1.1	L	1	mg/Kg	1000	01/15/20	JLI	SW8260C
Hexachlorobutadiene	< 6.3	L	6.3	mg/Kg	1000	01/15/20	JLI	SW8260C
Isopropylbenzene	< 2.3	L	2.3	mg/Kg	1000	01/15/20	JLI	SW8260C
m&p-Xylene	< 6.3	L	6.3	mg/Kg	1000	01/15/20	JLI	SW8260C
Methyl Ethyl Ketone	< 32	L	32	mg/Kg	1000	01/15/20	JLI	SW8260C
Methyl t-butyl ether (MTBE)	< 1.3	L	1.3	mg/Kg	1000	01/15/20	JLI	SW8260C
Methylene chloride	< 13	L	13	mg/Kg	1000	01/15/20	JLI	SW8260C
Naphthalene	< 6.3	L	6.3	mg/Kg	1000	01/15/20	JLI	SW8260C
n-Butylbenzene	< 6.3	L	6.3	mg/Kg	1000	01/15/20	JLI	SW8260C
n-Propylbenzene	< 3.9	L	3.9	mg/Kg	1000	01/15/20	JLI	SW8260C
o-Xylene	< 6.3	L	6.3	mg/Kg	1000	01/15/20	JLI	SW8260C
p-Isopropyltoluene	< 6.3	L	6.3	mg/Kg	1000	01/15/20	JLI	SW8260C
sec-Butylbenzene	< 6.3	L	6.3	mg/Kg	1000	01/15/20	JLI	SW8260C
Styrene	< 6.3	L	6.3	mg/Kg	1000	01/15/20	JLI	SW8260C
tert-Butylbenzene	< 5.9	L	5.9	mg/Kg	1000	01/15/20	JLI	SW8260C
Tetrachloroethene	< 6.3	L	6.3	mg/Kg	1000	01/15/20	JLI	SW8260C
Tetrahydrofuran (THF)	< 13	L	13	mg/Kg	1000	01/15/20	JLI	SW8260C
Toluene	< 0.7	L	0.7	mg/Kg	1000	01/15/20	JLI	SW8260C
Total Xylenes	< 6.3		6.3	mg/Kg	1000	01/15/20	JLI	SW8260C
trans-1,2-Dichloroethene	< 6.3	L	6.3	mg/Kg	1000	01/15/20	JLI	SW8260C
trans-1,3-Dichloropropene	< 6.3	L	6.3	mg/Kg	1000	01/15/20	JLI	SW8260C
trans-1,4-dichloro-2-butene	< 13	L	13	mg/Kg	1000	01/15/20	JLI	SW8260C
Trichloroethene	< 6.3	L	6.3	mg/Kg	1000	01/15/20	JLI	SW8260C
Trichlorofluoromethane	< 6.3	L	6.3	mg/Kg	1000	01/15/20	JLI	SW8260C
Trichlorotrifluoroethane	< 6.3	L	6.3	mg/Kg	1000	01/15/20	JLI	SW8260C
Vinyl chloride	< 6.3	L	6.3	mg/Kg	1000	01/15/20	JLI	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4 (1000x)	95			%	1000	01/15/20	JLI	70 - 130 %

Ver 1

Project ID: H.L FAYETTEVILLE
Client ID: CISTERN 1

Phoenix I.D.: CF11649

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Bromofluorobenzene (1000x)	97		%	1000	01/15/20	JLI	70 - 130 %
% Dibromofluoromethane (1000x)	94		%	1000	01/15/20	JLI	70 - 130 %
% Toluene-d8 (1000x)	98		%	1000	01/15/20	JLI	70 - 130 %
Semivolatiles							
1,2,4,5-Tetrachlorobenzene	0.4	0.26	mg/Kg	1	01/15/20	WB	SW8270D
1,2,4-Trichlorobenzene	1.1	0.26	mg/Kg	1	01/15/20	WB	SW8270D
1,2-Dichlorobenzene	2.1	0.26	mg/Kg	1	01/15/20	WB	SW8270D
1,2-Diphenylhydrazine	< 0.38	0.38	mg/Kg	1	01/15/20	WB	SW8270D
1,3-Dichlorobenzene	11	2.6	mg/Kg	10	01/15/20	WB	SW8270D
1,4-Dichlorobenzene	42	2.6	mg/Kg	10	01/15/20	WB	SW8270D
2,4,5-Trichlorophenol	< 0.26	0.26	mg/Kg	1	01/15/20	WB	SW8270D
2,4,6-Trichlorophenol	< 0.26	0.26	mg/Kg	1	01/15/20	WB	SW8270D
2,4-Dichlorophenol	< 0.26	0.26	mg/Kg	1	01/15/20	WB	SW8270D
2,4-Dimethylphenol	< 0.26	0.26	mg/Kg	1	01/15/20	WB	SW8270D
2,4-Dinitrophenol	< 0.38	0.38	mg/Kg	1	01/15/20	WB	SW8270D
2,4-Dinitrotoluene	< 0.26	0.26	mg/Kg	1	01/15/20	WB	SW8270D
2,6-Dinitrotoluene	< 0.26	0.26	mg/Kg	1	01/15/20	WB	SW8270D
2-Chloronaphthalene	< 0.26	0.26	mg/Kg	1	01/15/20	WB	SW8270D
2-Chlorophenol	< 0.26	0.26	mg/Kg	1	01/15/20	WB	SW8270D
2-Methylnaphthalene	0.49	0.26	mg/Kg	1	01/15/20	WB	SW8270D
2-Methylphenol (o-cresol)	< 0.26	0.26	mg/Kg	1	01/15/20	WB	SW8270D
2-Nitroaniline	< 0.38	0.38	mg/Kg	1	01/15/20	WB	SW8270D
2-Nitrophenol	< 0.26	0.26	mg/Kg	1	01/15/20	WB	SW8270D
3&4-Methylphenol (m&p-cresol)	< 0.38	0.38	mg/Kg	1	01/15/20	WB	SW8270D
3,3'-Dichlorobenzidine	< 0.26	0.26	mg/Kg	1	01/15/20	WB	SW8270D
3-Nitroaniline	< 0.38	0.38	mg/Kg	1	01/15/20	WB	SW8270D
4,6-Dinitro-2-methylphenol	< 0.38	0.38	mg/Kg	1	01/15/20	WB	SW8270D
4-Bromophenyl phenyl ether	< 0.38	0.38	mg/Kg	1	01/15/20	WB	SW8270D
4-Chloro-3-methylphenol	< 0.26	0.26	mg/Kg	1	01/15/20	WB	SW8270D
4-Chloroaniline	< 0.26	0.26	mg/Kg	1	01/15/20	WB	SW8270D
4-Chlorophenyl phenyl ether	< 0.26	0.26	mg/Kg	1	01/15/20	WB	SW8270D
4-Nitroaniline	< 0.61	0.61	mg/Kg	1	01/15/20	WB	SW8270D
4-Nitrophenol	< 0.26	0.26	mg/Kg	1	01/15/20	WB	SW8270D
Acenaphthene	< 0.26	0.26	mg/Kg	1	01/15/20	WB	SW8270D
Acenaphthylene	< 0.26	0.26	mg/Kg	1	01/15/20	WB	SW8270D
Acetophenone	< 0.26	0.26	mg/Kg	1	01/15/20	WB	SW8270D
Aniline	< 0.38	0.38	mg/Kg	1	01/15/20	WB	SW8270D
Anthracene	< 0.26	0.26	mg/Kg	1	01/15/20	WB	SW8270D
Benz(a)anthracene	0.27	0.26	mg/Kg	1	01/15/20	WB	SW8270D
Benzidine	< 0.26	0.26	mg/Kg	1	01/15/20	WB	SW8270D
Benzo(a)pyrene	0.38	0.26	mg/Kg	1	01/15/20	WB	SW8270D
Benzo(b)fluoranthene	0.34	0.26	mg/Kg	1	01/15/20	WB	SW8270D
Benzo(ghi)perylene	0.54	0.26	mg/Kg	1	01/15/20	WB	SW8270D
Benzo(k)fluoranthene	< 0.26	0.26	mg/Kg	1	01/15/20	WB	SW8270D
Benzoic acid	< 0.76	0.76	mg/Kg	1	01/15/20	WB	SW8270D
Benzyl butyl phthalate	< 0.26	0.26	mg/Kg	1	01/15/20	WB	SW8270D
Bis(2-chloroethoxy)methane	< 0.26	0.26	mg/Kg	1	01/15/20	WB	SW8270D
Bis(2-chloroethyl)ether	< 0.38	0.38	mg/Kg	1	01/15/20	WB	SW8270D
Bis(2-chloroisopropyl)ether	< 0.26	0.26	mg/Kg	1	01/15/20	WB	SW8270D

Project ID: H.L FAYETTEVILLE
Client ID: CISTERN 1

Phoenix I.D.: CF11649

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Bis(2-ethylhexyl)phthalate	2	0.26	mg/Kg	1	01/15/20	WB	SW8270D
Carbazole	< 0.38	0.38	mg/Kg	1	01/15/20	WB	SW8270D
Chrysene	0.28	0.26	mg/Kg	1	01/15/20	WB	SW8270D
Dibenz(a,h)anthracene	< 0.26	0.26	mg/Kg	1	01/15/20	WB	SW8270D
Dibenzofuran	< 0.26	0.26	mg/Kg	1	01/15/20	WB	SW8270D
Diethyl phthalate	< 0.26	0.26	mg/Kg	1	01/15/20	WB	SW8270D
Dimethylphthalate	< 0.26	0.26	mg/Kg	1	01/15/20	WB	SW8270D
Di-n-butylphthalate	< 0.38	0.38	mg/Kg	1	01/15/20	WB	SW8270D
Di-n-octylphthalate	< 0.26	0.26	mg/Kg	1	01/15/20	WB	SW8270D
Fluoranthene	0.65	0.26	mg/Kg	1	01/15/20	WB	SW8270D
Fluorene	< 0.26	0.26	mg/Kg	1	01/15/20	WB	SW8270D
Hexachlorobenzene	< 0.26	0.26	mg/Kg	1	01/15/20	WB	SW8270D
Hexachlorobutadiene	< 0.26	0.26	mg/Kg	1	01/15/20	WB	SW8270D
Hexachlorocyclopentadiene	< 0.26	0.26	mg/Kg	1	01/15/20	WB	SW8270D
Hexachloroethane	< 0.26	0.26	mg/Kg	1	01/15/20	WB	SW8270D
Indeno(1,2,3-cd)pyrene	< 0.26	0.26	mg/Kg	1	01/15/20	WB	SW8270D
Isophorone	< 0.26	0.26	mg/Kg	1	01/15/20	WB	SW8270D
Naphthalene	0.67	0.26	mg/Kg	1	01/15/20	WB	SW8270D
Nitrobenzene	< 0.26	0.26	mg/Kg	1	01/15/20	WB	SW8270D
N-Nitrosodimethylamine	< 0.38	0.38	mg/Kg	1	01/15/20	WB	SW8270D
N-Nitrosodi-n-propylamine	< 0.26	0.26	mg/Kg	1	01/15/20	WB	SW8270D
N-Nitrosodiphenylamine	< 0.38	0.38	mg/Kg	1	01/15/20	WB	SW8270D
Pentachloronitrobenzene	< 0.38	0.38	mg/Kg	1	01/15/20	WB	SW8270D
Pentachlorophenol	< 0.38	0.38	mg/Kg	1	01/15/20	WB	SW8270D
Phenanthrene	< 0.26	0.26	mg/Kg	1	01/15/20	WB	SW8270D
Phenol	< 0.26	0.26	mg/Kg	1	01/15/20	WB	SW8270D
Pyrene	1.1	0.26	mg/Kg	1	01/15/20	WB	SW8270D
Pyridine	< 0.38	0.38	mg/Kg	1	01/15/20	WB	SW8270D
QA/QC Surrogates							
% 2,4,6-Tribromophenol	62		%	1	01/15/20	WB	30 - 130 %
% 2-Fluorobiphenyl	50		%	1	01/15/20	WB	30 - 130 %
% 2-Fluorophenol	41		%	1	01/15/20	WB	30 - 130 %
% Nitrobenzene-d5	59		%	1	01/15/20	WB	30 - 130 %
% Phenol-d5	46		%	1	01/15/20	WB	30 - 130 %
% Terphenyl-d14	81		%	1	01/15/20	WB	30 - 130 %
% 2,4,6-Tribromophenol (10x)	Diluted Out		%	10	01/15/20	WB	30 - 130 %
% 2-Fluorobiphenyl (10x)	Diluted Out		%	10	01/15/20	WB	30 - 130 %
% 2-Fluorophenol (10x)	Diluted Out		%	10	01/15/20	WB	30 - 130 %
% Nitrobenzene-d5 (10x)	Diluted Out		%	10	01/15/20	WB	30 - 130 %
% Phenol-d5 (10x)	Diluted Out		%	10	01/15/20	WB	30 - 130 %
% Terphenyl-d14 (10x)	Diluted Out		%	10	01/15/20	WB	30 - 130 %

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

Comments:

Volatile Comment:
L flag signifies that this sample was not collected in accordance with EPA method 5035. NELAC requires the laboratory to qualify the volatile soil data as biased low.

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.

Volatile Comment:
Due to the presence of a large amount of non-target petroleum material, this sample required a dilution. Where the LOD justifies lowering the RL/PQL, the RL/PQL of some compounds are evaluated below the lowest calibration standard. Not all requested criteria could be met.

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

January 20, 2020

Reviewed and Released by: Phyllis Shiller, Laboratory Director

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

January 20, 2020

FOR: Attn: Bill Simpson
EPS of Vermont
532 State Fair Blvd
Syracuse, NY 13204

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		01/13/20	12:53
Location Code:	EP&SSYRC	Received by:	CP	01/14/20	10:49
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	43283N				

Laboratory Data

SDG ID: GCF11649
Phoenix ID: CF11650

Project ID: H.L FAYETTEVILLE
Client ID: POST EXC.

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	92		%		01/14/20	VT	SW846-%Solid
Soil Extraction SVOA PAH	Completed				01/14/20	R/K/AL	SW3545A
Volatiles- STARS/CP-51							
1,2,4-Trimethylbenzene	0.0046	L 0.0021	mg/Kg	1	01/16/20	JLI	SW8260C
1,3,5-Trimethylbenzene	0.0042	L 0.0021	mg/Kg	1	01/16/20	JLI	SW8260C
Benzene	< 0.0011	L 0.0011	mg/Kg	1	01/16/20	JLI	SW8260C
Ethylbenzene	< 0.0011	L 0.0011	mg/Kg	1	01/16/20	JLI	SW8260C
Isopropylbenzene	< 0.0021	L 0.0021	mg/Kg	1	01/16/20	JLI	SW8260C
m&p-Xylene	< 0.0021	L 0.0021	mg/Kg	1	01/16/20	JLI	SW8260C
Methyl t-Butyl Ether (MTBE)	< 0.0011	L 0.0011	mg/Kg	1	01/16/20	JLI	SW8260C
Naphthalene	< 0.0021	L 0.0021	mg/Kg	1	01/16/20	JLI	SW8260C
n-Butylbenzene	< 0.0021	L 0.0021	mg/Kg	1	01/16/20	JLI	SW8260C
n-Propylbenzene	< 0.0021	L 0.0021	mg/Kg	1	01/16/20	JLI	SW8260C
o-Xylene	< 0.0021	L 0.0021	mg/Kg	1	01/16/20	JLI	SW8260C
p-Isopropyltoluene	< 0.0021	L 0.0021	mg/Kg	1	01/16/20	JLI	SW8260C
sec-Butylbenzene	< 0.0021	L 0.0021	mg/Kg	1	01/16/20	JLI	SW8260C
tert-Butylbenzene	< 0.0021	L 0.0021	mg/Kg	1	01/16/20	JLI	SW8260C
Toluene	< 0.0011	L 0.0011	mg/Kg	1	01/16/20	JLI	SW8260C
Total Xylenes	< 0.0021	0.0021	mg/Kg	1	01/16/20	JLI	SW8260C
QA/QC Surrogates							
% 1,2-Dichlorobenzene-d4	93		%	1	01/16/20	JLI	70 - 130 %
% Bromofluorobenzene	90		%	1	01/16/20	JLI	70 - 130 %
% Dibromofluoromethane	95		%	1	01/16/20	JLI	70 - 130 %
% Toluene-d8	96		%	1	01/16/20	JLI	70 - 130 %
Semivolatiles-STARS/CP-51							
Acenaphthene	< 0.25	0.25	mg/Kg	1	01/15/20	KCA	SW8270D

Project ID: H.L FAYETTEVILLE
Client ID: POST EXC.

Phoenix I.D.: CF11650

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Acenaphthylene	< 0.25	0.25	mg/Kg	1	01/15/20	KCA	SW8270D
Anthracene	< 0.25	0.25	mg/Kg	1	01/15/20	KCA	SW8270D
Benz(a)anthracene	< 0.25	0.25	mg/Kg	1	01/15/20	KCA	SW8270D
Benzo(a)pyrene	< 0.25	0.25	mg/Kg	1	01/15/20	KCA	SW8270D
Benzo(b)fluoranthene	< 0.25	0.25	mg/Kg	1	01/15/20	KCA	SW8270D
Benzo(ghi)perylene	< 0.25	0.25	mg/Kg	1	01/15/20	KCA	SW8270D
Benzo(k)fluoranthene	< 0.25	0.25	mg/Kg	1	01/15/20	KCA	SW8270D
Chrysene	< 0.25	0.25	mg/Kg	1	01/15/20	KCA	SW8270D
Dibenz(a,h)anthracene	< 0.25	0.25	mg/Kg	1	01/15/20	KCA	SW8270D
Fluoranthene	< 0.25	0.25	mg/Kg	1	01/15/20	KCA	SW8270D
Fluorene	< 0.25	0.25	mg/Kg	1	01/15/20	KCA	SW8270D
Indeno(1,2,3-cd)pyrene	< 0.25	0.25	mg/Kg	1	01/15/20	KCA	SW8270D
Naphthalene	< 0.25	0.25	mg/Kg	1	01/15/20	KCA	SW8270D
Phenanthrene	< 0.25	0.25	mg/Kg	1	01/15/20	KCA	SW8270D
Pyrene	< 0.25	0.25	mg/Kg	1	01/15/20	KCA	SW8270D
QA/QC Surrogates							
% 2-Fluorobiphenyl	56		%	1	01/15/20	KCA	30 - 130 %
% Nitrobenzene-d5	67		%	1	01/15/20	KCA	30 - 130 %
% Terphenyl-d14	40		%	1	01/15/20	KCA	30 - 130 %

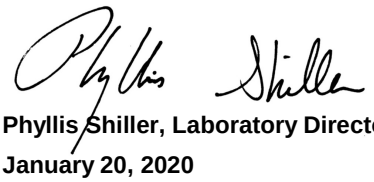
RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level L=Biased Low
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed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

Comments:

Volatile Comment:
L flag signifies that this sample was not collected in accordance with EPA method 5035. NELAC requires the laboratory to qualify the volatile soil data as biased low.

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

If 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
January 20, 2020
Reviewed and Released by: Phyllis Shiller, Laboratory Director

PHOENIX

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

QA/QC Report

January 20, 2020

QA/QC Data

SDG I.D.: GCF11649

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 514129 (mg/Kg), QC Sample No: CF12095 (CF11650)											
Polynuclear Aromatic HC - Soil											
Acenaphthene	ND	0.23	56	62	10.2	41	56	30.9	30 - 130	30	r
Acenaphthylene	ND	0.23	52	58	10.9	40	52	26.1	30 - 130	30	
Anthracene	ND	0.23	60	63	4.9	47	57	19.2	30 - 130	30	
Benz(a)anthracene	ND	0.23	61	65	6.3	53	61	14.0	30 - 130	30	
Benzo(a)pyrene	ND	0.23	65	68	4.5	55	65	16.7	30 - 130	30	
Benzo(b)fluoranthene	ND	0.23	61	67	9.4	52	60	14.3	30 - 130	30	
Benzo(ghi)perylene	ND	0.23	53	53	0.0	40	53	28.0	30 - 130	30	
Benzo(k)fluoranthene	ND	0.23	60	62	3.3	52	62	17.5	30 - 130	30	
Chrysene	ND	0.23	58	61	5.0	51	59	14.5	30 - 130	30	
Dibenz(a,h)anthracene	ND	0.23	58	60	3.4	45	58	25.2	30 - 130	30	
Fluoranthene	ND	0.23	62	65	4.7	51	60	16.2	30 - 130	30	
Fluorene	ND	0.23	60	68	12.5	47	58	21.0	30 - 130	30	
Indeno(1,2,3-cd)pyrene	ND	0.23	59	63	6.6	44	57	25.7	30 - 130	30	
Naphthalene	ND	0.23	56	64	13.3	39	53	30.4	30 - 130	30	
Phenanthrene	ND	0.23	59	62	5.0	47	57	19.2	30 - 130	30	
Pyrene	ND	0.23	65	69	6.0	51	64	22.6	30 - 130	30	
% 2-Fluorobiphenyl	55	%	53	58	9.0	39	51	26.7	30 - 130	30	
% Nitrobenzene-d5	62	%	57	66	14.6	42	58	32.0	30 - 130	30	r
% Terphenyl-d14	56	%	56	59	5.2	44	53	18.6	30 - 130	30	
QA/QC Batch 514125 (mg/Kg), QC Sample No: CF12435 (CF11649)											
Semivolatiles - Soil											
1,2,4,5-Tetrachlorobenzene	ND	0.23	52	49	5.9	53	59	10.7	30 - 130	30	
1,2,4-Trichlorobenzene	ND	0.23	52	49	5.9	53	57	7.3	30 - 130	30	
1,2-Dichlorobenzene	ND	0.18	47	43	8.9	44	50	12.8	30 - 130	30	
1,2-Diphenylhydrazine	ND	0.23	56	49	13.3	58	60	3.4	30 - 130	30	
1,3-Dichlorobenzene	ND	0.23	45	42	6.9	40	46	14.0	30 - 130	30	
1,4-Dichlorobenzene	ND	0.23	46	43	6.7	42	47	11.2	30 - 130	30	
2,4,5-Trichlorophenol	ND	0.23	63	55	13.6	69	68	1.5	30 - 130	30	
2,4,6-Trichlorophenol	ND	0.13	59	55	7.0	64	64	0.0	30 - 130	30	
2,4-Dichlorophenol	ND	0.13	63	56	11.8	70	70	0.0	30 - 130	30	
2,4-Dimethylphenol	ND	0.23	65	61	6.3	73	69	5.6	30 - 130	30	
2,4-Dinitrophenol	ND	0.23	39	36	8.0	17	27	45.5	30 - 130	30	m,r
2,4-Dinitrotoluene	ND	0.13	61	57	6.8	69	68	1.5	30 - 130	30	
2,6-Dinitrotoluene	ND	0.13	61	53	14.0	65	67	3.0	30 - 130	30	
2-Chloronaphthalene	ND	0.23	56	50	11.3	59	61	3.3	30 - 130	30	
2-Chlorophenol	ND	0.23	58	51	12.8	60	61	1.7	30 - 130	30	
2-Methylnaphthalene	ND	0.23	53	50	5.8	60	64	6.5	30 - 130	30	
2-Methylphenol (o-cresol)	ND	0.23	67	62	7.8	70	69	1.4	30 - 130	30	
2-Nitroaniline	ND	0.33	72	68	5.7	83	83	0.0	30 - 130	30	
2-Nitrophenol	ND	0.23	57	52	9.2	60	65	8.0	30 - 130	30	
3&4-Methylphenol (m&p-cresol)	ND	0.23	66	58	12.9	70	66	5.9	30 - 130	30	

QA/QC Data

SDG I.D.: GCF11649

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
3,3'-Dichlorobenzidine	ND	0.13	46	49	6.3	44	51	14.7	30 - 130	30	
3-Nitroaniline	ND	0.33	58	53	9.0	76	71	6.8	30 - 130	30	
4,6-Dinitro-2-methylphenol	ND	0.23	52	48	8.0	30	37	20.9	30 - 130	30	
4-Bromophenyl phenyl ether	ND	0.23	58	53	9.0	61	62	1.6	30 - 130	30	
4-Chloro-3-methylphenol	ND	0.23	64	60	6.5	75	74	1.3	30 - 130	30	
4-Chloroaniline	ND	0.23	43	40	7.2	66	61	7.9	30 - 130	30	
4-Chlorophenyl phenyl ether	ND	0.23	59	51	14.5	62	63	1.6	30 - 130	30	
4-Nitroaniline	ND	0.23	65	61	6.3	71	72	1.4	30 - 130	30	
4-Nitrophenol	ND	0.23	65	57	13.1	80	74	7.8	30 - 130	30	
Acenaphthene	ND	0.23	57	51	11.1	60	66	9.5	30 - 130	30	
Acenaphthylene	ND	0.13	55	49	11.5	61	63	3.2	30 - 130	30	
Acetophenone	ND	0.23	53	47	12.0	53	56	5.5	30 - 130	30	
Aniline	ND	0.33	34	32	6.1	52	53	1.9	30 - 130	30	
Anthracene	ND	0.23	60	55	8.7	66	73	10.1	30 - 130	30	
Benz(a)anthracene	ND	0.23	59	55	7.0	63	81	25.0	30 - 130	30	
Benzidine	ND	0.33	<10	<10	NC	<10	<10	NC	30 - 130	30	l,m
Benzo(a)pyrene	ND	0.13	62	58	6.7	62	80	25.4	30 - 130	30	
Benzo(b)fluoranthene	ND	0.16	61	53	14.0	67	87	26.0	30 - 130	30	
Benzo(ghi)perylene	ND	0.23	55	51	7.5	37	56	40.9	30 - 130	30	r
Benzo(k)fluoranthene	ND	0.23	58	55	5.3	62	71	13.5	30 - 130	30	
Benzoic Acid	ND	0.33	<10	<10	NC	<10	<10	NC	30 - 130	30	l,m
Benzyl butyl phthalate	ND	0.23	63	59	6.6	61	60	1.7	30 - 130	30	
Bis(2-chloroethoxy)methane	ND	0.23	55	51	7.5	60	60	0.0	30 - 130	30	
Bis(2-chloroethyl)ether	ND	0.13	46	44	4.4	48	49	2.1	30 - 130	30	
Bis(2-chloroisopropyl)ether	ND	0.23	44	41	7.1	44	48	8.7	30 - 130	30	
Bis(2-ethylhexyl)phthalate	ND	0.23	63	58	8.3	59	72	19.8	30 - 130	30	
Carbazole	ND	0.23	58	55	5.3	68	72	5.7	30 - 130	30	
Chrysene	ND	0.23	58	56	3.5	63	81	25.0	30 - 130	30	
Dibenz(a,h)anthracene	ND	0.13	58	55	5.3	48	56	15.4	30 - 130	30	
Dibenzofuran	ND	0.23	56	52	7.4	62	65	4.7	30 - 130	30	
Diethyl phthalate	ND	0.23	61	54	12.2	66	65	1.5	30 - 130	30	
Dimethylphthalate	ND	0.23	62	56	10.2	67	67	0.0	30 - 130	30	
Di-n-butylphthalate	ND	0.67	65	59	9.7	66	66	0.0	30 - 130	30	
Di-n-octylphthalate	ND	0.23	64	60	6.5	54	54	0.0	30 - 130	30	
Fluoranthene	ND	0.23	60	54	10.5	65	104	46.2	30 - 130	30	r
Fluorene	ND	0.23	58	53	9.0	63	67	6.2	30 - 130	30	
Hexachlorobenzene	ND	0.13	59	53	10.7	57	63	10.0	30 - 130	30	
Hexachlorobutadiene	ND	0.23	50	48	4.1	49	54	9.7	30 - 130	30	
Hexachlorocyclopentadiene	ND	0.23	53	48	9.9	24	14	52.6	30 - 130	30	m,r
Hexachloroethane	ND	0.13	45	42	6.9	39	41	5.0	30 - 130	30	
Indeno(1,2,3-cd)pyrene	ND	0.23	59	54	8.8	44	62	34.0	30 - 130	30	r
Isophorone	ND	0.13	49	48	2.1	56	56	0.0	30 - 130	30	
Naphthalene	ND	0.23	51	47	8.2	54	60	10.5	30 - 130	30	
Nitrobenzene	ND	0.13	56	51	9.3	55	59	7.0	30 - 130	30	
N-Nitrosodimethylamine	ND	0.23	38	36	5.4	41	35	15.8	30 - 130	30	
N-Nitrosodi-n-propylamine	ND	0.13	58	53	9.0	61	61	0.0	30 - 130	30	
N-Nitrosodiphenylamine	ND	0.13	67	58	14.4	70	72	2.8	30 - 130	30	
Pentachloronitrobenzene	ND	0.23	59	55	7.0	61	59	3.3	30 - 130	30	
Pentachlorophenol	ND	0.23	59	51	14.5	60	59	1.7	30 - 130	30	
Phenanthrene	ND	0.13	58	52	10.9	64	105	48.5	30 - 130	30	r
Phenol	ND	0.23	60	53	12.4	64	62	3.2	30 - 130	30	
Pyrene	ND	0.23	61	54	12.2	66	93	34.0	30 - 130	30	r
Pyridine	ND	0.23	16	19	17.1	29	29	0.0	30 - 130	30	l,m

QA/QC Data

SDG I.D.: GCF11649

Parameter	Blank	Blk RL		LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
% 2,4,6-Tribromophenol	46	%		61	56	8.5	63	64	1.6	30 - 130	30	
% 2-Fluorobiphenyl	39	%		50	47	6.2	53	54	1.9	30 - 130	30	
% 2-Fluorophenol	34	%		51	50	2.0	56	55	1.8	30 - 130	30	
% Nitrobenzene-d5	33	%		49	48	2.1	52	57	9.2	30 - 130	30	
% Phenol-d5	40	%		56	52	7.4	64	60	6.5	30 - 130	30	
% Terphenyl-d14	51	%		50	47	6.2	51	48	6.1	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 514555H (mg/Kg), QC Sample No: CF12464 50X (CF11649 (1000X))

Volatiles - Soil (High Level)

1,1,1,2-Tetrachloroethane	ND	0.25		104	98	5.9	90	97	7.5	70 - 130	30	
1,1,1-Trichloroethane	ND	0.25		102	97	5.0	97	108	10.7	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	0.25		106	102	3.8	71	70	1.4	70 - 130	30	
1,1,2-Trichloroethane	ND	0.25		98	95	3.1	99	99	0.0	70 - 130	30	
1,1-Dichloroethane	ND	0.25		102	98	4.0	109	107	1.9	70 - 130	30	
1,1-Dichloroethene	ND	0.25		95	88	7.7	75	93	21.4	70 - 130	30	
1,1-Dichloropropene	ND	0.25		105	102	2.9	111	112	0.9	70 - 130	30	
1,2,3-Trichlorobenzene	ND	0.25		105	100	4.9	102	102	0.0	70 - 130	30	
1,2,3-Trichloropropane	ND	0.25		102	98	4.0	106	108	1.9	70 - 130	30	
1,2,4-Trichlorobenzene	ND	0.25		110	106	3.7	107	105	1.9	70 - 130	30	
1,2,4-Trimethylbenzene	ND	0.25		107	103	3.8	110	111	0.9	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	0.25		108	98	9.7	102	107	4.8	70 - 130	30	
1,2-Dibromoethane	ND	0.25		102	96	6.1	102	105	2.9	70 - 130	30	
1,2-Dichlorobenzene	ND	0.25		103	99	4.0	104	103	1.0	70 - 130	30	
1,2-Dichloroethane	ND	0.25		101	97	4.0	100	102	2.0	70 - 130	30	
1,2-Dichloropropane	ND	0.25		102	99	3.0	106	103	2.9	70 - 130	30	
1,3,5-Trimethylbenzene	ND	0.25		109	105	3.7	114	112	1.8	70 - 130	30	
1,3-Dichlorobenzene	ND	0.25		107	102	4.8	108	107	0.9	70 - 130	30	
1,3-Dichloropropane	ND	0.25		101	99	2.0	105	105	0.0	70 - 130	30	
1,4-Dichlorobenzene	ND	0.25		107	102	4.8	106	105	0.9	70 - 130	30	
2,2-Dichloropropane	ND	0.25		115	109	5.4	103	116	11.9	70 - 130	30	
2-Chlorotoluene	ND	0.25		106	102	3.8	109	108	0.9	70 - 130	30	
2-Hexanone	ND	1.3		88	83	5.8	98	103	5.0	70 - 130	30	
2-Isopropyltoluene	ND	0.25		109	105	3.7	114	113	0.9	70 - 130	30	
4-Chlorotoluene	ND	0.25		104	101	2.9	107	107	0.0	70 - 130	30	
4-Methyl-2-pentanone	ND	1.3		94	92	2.2	101	104	2.9	70 - 130	30	
Acetone	ND	0.5		57	54	5.4	59	68	14.2	70 - 130	30	l,m
Acrylonitrile	ND	0.25		101	96	5.1	112	113	0.9	70 - 130	30	
Benzene	ND	0.25		104	100	3.9	110	107	2.8	70 - 130	30	
Bromobenzene	ND	0.25		101	98	3.0	104	103	1.0	70 - 130	30	
Bromochloromethane	ND	0.25		97	97	0.0	101	101	0.0	70 - 130	30	
Bromodichloromethane	ND	0.25		100	95	5.1	86	92	6.7	70 - 130	30	
Bromoform	ND	0.25		98	90	8.5	76	84	10.0	70 - 130	30	
Bromomethane	ND	0.25		78	76	2.6	66	76	14.1	70 - 130	30	m
Carbon Disulfide	ND	0.25		99	92	7.3	77	96	22.0	70 - 130	30	
Carbon tetrachloride	ND	0.25		107	99	7.8	83	97	15.6	70 - 130	30	
Chlorobenzene	ND	0.25		104	101	2.9	107	107	0.0	70 - 130	30	
Chloroethane	ND	0.25		39	37	5.3	36	38	5.4	70 - 130	30	l,m
Chloroform	ND	0.25		100	97	3.0	99	103	4.0	70 - 130	30	
Chloromethane	ND	0.25		98	92	6.3	106	107	0.9	70 - 130	30	
cis-1,2-Dichloroethene	ND	0.25		97	96	1.0	107	104	2.8	70 - 130	30	

QA/QC Data

SDG I.D.: GCF11649

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
cis-1,3-Dichloropropene	ND	0.25	101	97	4.0	94	97	3.1	70 - 130	30	
Dibromochloromethane	ND	0.15	102	96	6.1	82	89	8.2	70 - 130	30	
Dibromomethane	ND	0.25	99	97	2.0	100	101	1.0	70 - 130	30	
Dichlorodifluoromethane	ND	0.25	103	100	3.0	114	118	3.4	70 - 130	30	
Ethylbenzene	ND	0.25	108	102	5.7	112	112	0.0	70 - 130	30	
Hexachlorobutadiene	ND	0.25	120	113	6.0	124	122	1.6	70 - 130	30	
Isopropylbenzene	ND	0.25	108	104	3.8	114	114	0.0	70 - 130	30	
m&p-Xylene	ND	0.25	107	102	4.8	112	111	0.9	70 - 130	30	
Methyl ethyl ketone	ND	0.5	86	85	1.2	90	93	3.3	70 - 130	30	
Methyl t-butyl ether (MTBE)	ND	0.25	88	86	2.3	80	87	8.4	70 - 130	30	
Methylene chloride	ND	0.25	90	87	3.4	83	89	7.0	70 - 130	30	
Naphthalene	ND	0.25	104	98	5.9	115	116	0.9	70 - 130	30	
n-Butylbenzene	ND	0.25	119	114	4.3	121	120	0.8	70 - 130	30	
n-Propylbenzene	ND	0.25	109	105	3.7	115	114	0.9	70 - 130	30	
o-Xylene	ND	0.25	108	105	2.8	114	113	0.9	70 - 130	30	
p-Isopropyltoluene	ND	0.25	113	109	3.6	119	118	0.8	70 - 130	30	
sec-Butylbenzene	ND	0.25	120	114	5.1	126	125	0.8	70 - 130	30	
Styrene	ND	0.25	107	103	3.8	110	108	1.8	70 - 130	30	
tert-Butylbenzene	ND	0.25	107	103	3.8	114	115	0.9	70 - 130	30	
Tetrachloroethene	ND	0.25	107	103	3.8	114	113	0.9	70 - 130	30	
Tetrahydrofuran (THF)	ND	0.25	95	94	1.1	105	110	4.7	70 - 130	30	
Toluene	ND	0.25	104	102	1.9	109	110	0.9	70 - 130	30	
trans-1,2-Dichloroethene	ND	0.25	102	98	4.0	99	103	4.0	70 - 130	30	
trans-1,3-Dichloropropene	ND	0.25	100	98	2.0	93	97	4.2	70 - 130	30	
trans-1,4-dichloro-2-butene	ND	0.25	109	102	6.6	96	102	6.1	70 - 130	30	
Trichloroethene	ND	0.25	101	99	2.0	137	136	0.7	70 - 130	30	m
Trichlorofluoromethane	ND	0.25	33	31	6.3	29	32	9.8	70 - 130	30	l,m
Trichlorotrifluoroethane	ND	0.25	103	97	6.0	86	103	18.0	70 - 130	30	
Vinyl chloride	ND	0.25	91	90	1.1	100	106	5.8	70 - 130	30	
% 1,2-dichlorobenzene-d4	99	%	100	99	1.0	98	99	1.0	70 - 130	30	
% Bromofluorobenzene	98	%	100	100	0.0	100	100	0.0	70 - 130	30	
% Dibromofluoromethane	89	%	93	95	2.1	92	93	1.1	70 - 130	30	
% Toluene-d8	99	%	99	98	1.0	97	97	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 514749 (mg/Kg), QC Sample No: CF13375 (CF11650)

Volatiles - Soil (Low Level)

1,2,4-Trimethylbenzene	ND	0.001	102	107	4.8	103	108	4.7	70 - 130	30	
1,3,5-Trimethylbenzene	ND	0.001	103	110	6.6	107	111	3.7	70 - 130	30	
Benzene	ND	0.001	99	106	6.8	103	110	6.6	70 - 130	30	
Ethylbenzene	ND	0.001	102	108	5.7	103	109	5.7	70 - 130	30	
Isopropylbenzene	ND	0.001	103	108	4.7	115	120	4.3	70 - 130	30	
m&p-Xylene	ND	0.002	101	108	6.7	100	106	5.8	70 - 130	30	
Methyl t-butyl ether (MTBE)	ND	0.001	88	95	7.7	92	96	4.3	70 - 130	30	
Naphthalene	ND	0.005	99	107	7.8	67	75	11.3	70 - 130	30	m
n-Butylbenzene	ND	0.001	110	116	5.3	99	103	4.0	70 - 130	30	
n-Propylbenzene	ND	0.001	103	110	6.6	111	117	5.3	70 - 130	30	
o-Xylene	ND	0.002	101	111	9.4	102	108	5.7	70 - 130	30	
p-Isopropyltoluene	ND	0.001	108	113	4.5	105	110	4.7	70 - 130	30	
sec-Butylbenzene	ND	0.001	114	120	5.1	115	120	4.3	70 - 130	30	
tert-Butylbenzene	ND	0.001	104	110	5.6	111	116	4.4	70 - 130	30	

QA/QC Data

SDG I.D.: GCF11649

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Toluene	ND	0.001	100	108	7.7	102	109	6.6	70 - 130	30
% 1,2-dichlorobenzene-d4	97	%	101	100	1.0	100	99	1.0	70 - 130	30
% Bromofluorobenzene	95	%	97	99	2.0	95	95	0.0	70 - 130	30
% Dibromofluoromethane	99	%	96	95	1.0	97	97	0.0	70 - 130	30
% Toluene-d8	99	%	98	99	1.0	97	98	1.0	70 - 130	30

Comment:

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

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

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

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

Phyllis Shiller, Laboratory Director
January 20, 2020

Monday, January 20, 2020

Criteria: NY: CP51S

State: NY

Sample Criteria Exceedances Report

GCF11649 - EPSSYRC

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CF11649	$8260SMRNY	Total Xylenes	NY / CP-51 Soil Cleanup / Gas & Fuel Oil Criteria	ND	6300	260	260	ug/Kg
CF11649	$8260SMRNY	Methyl t-butyl ether (MTBE)	NY / CP-51 Soil Cleanup / Gas & Fuel Oil Criteria	ND	1300	930	930	ug/Kg
CF11649	$8260SMRNY	Ethylbenzene	NY / CP-51 Soil Cleanup / Gas & Fuel Oil Criteria	1100	1000	1000	1000	ug/Kg
CF11649	$8260SMRNY	Benzene	NY / CP-51 Soil Cleanup / Gas & Fuel Oil Criteria	ND	630	60	60	ug/Kg

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Comments

January 20, 2020 SDG I.D.: GCF11649

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

SVOA Narration

CHEM28 01/14/20-1: CF11649

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

The following Initial Calibration compounds did not meet recommended response factors: 2-Nitrophenol 0.078 (0.1), Bis(2-chloroethoxy)methane 0.234 (0.3), Bis(2-chloroethyl)ether 0.646 (0.7)
The following Initial Calibration compounds did not meet minimum response factors: None.

The following Continuing Calibration compounds did not meet recommended response factors: 2-Nitrophenol 0.076 (0.1), Bis(2-chloroethoxy)methane 0.236 (0.3), Bis(2-chloroethyl)ether 0.618 (0.7)
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

CHEM26 01/15/20-1: CF11649

The following Initial Calibration compounds did not meet RSD% criteria: Bromoform 26% (20%), trans-1,4-dichloro-2-butene 25% (20%)
The following Initial Calibration compounds did not meet maximum RSD% criteria: None.
The following Initial Calibration compounds did not meet recommended response factors: Tetrachloroethene 0.176 (0.2)
The following Initial Calibration compounds did not meet minimum response factors: None.

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

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

NY Temperature Narration

January 20, 2020

SDG I.D.: GCF11649

The samples in this delivery group were received at 12.5°C.
(Note acceptance criteria for relevant matrices is above freezing up to 6°C)

Cooler: Yes [X] No [ ]
Coolant: IPK [ ] ICE [ ] No [ ]
Temp 12.5°C Pg of

PHOENIX
Environmental Laboratories, Inc.

NY/NJ/PA CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
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Client Services (860) 645-8726

Contact Options:
[X] Phone: (315) 451-6666
[ ] Fax:
[X] Email: wsimpson@epsofvermont.com

Customer: EP&S of Vermont
Address: 532 State Fair Blvd
Syracuse, NY 13204

Project: H-L Fayetteville
Report to: Bill Simpson
Invoice to: Kim Wilder
QUOTE # :

Project P.O: 43283 N

This section MUST be completed with Bottle Quantities.

Sampler's Signature: [signature] Date: 11/13/20

Client Sample - Information - Identification

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

Analysis Request

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	VOC's Full List w/MTBE	SVOC's 8270 Full List	VOC 8260 CP-51 List	SVOC 8270 CP-51 List	GL Amber 8 oz. w/H3PO4	Soil VOA Vials [ ] methanol [ ] H2O	GL Soil container (4) oz	GL Soil container (8) oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL NaOH 250ml	PL HNO3 250ml	Bacteria Bottle w/thio	Bacteria Bottle as is
11649	Cistern 1	S	11/13/20	1205	X	X					1	1								
11650	Post Exc.	S	11/13/20	1253			X	X			1	1								

Relinquished by:	Accepted by:	Date:	Time:
UPS	[signature]	11/14/20	10:49

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*
[X] 5 Days
[ ] 10 Days
[ ] Other
* SURCHARGE

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

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

NY
[ ] TOGS GW
[X] CP-51 SOIL
[ ] 375SCO Unrestricted Soil
[ ] 375SCO Residential Soil
[ ] 375SCO Residential
[ ] 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