Tighe&Bond

Attachment No. 4

Soil Stockpile Summary Table
Olson Drive
Ansonia, Connecticut

Sample Name	CTDEEP RSR Criteria						US EPA	COMPOSITE 1/2	COMPOSITE 3/4	COMPOSITE 5/6	STOCKPILE 7-1	STOCKPILE 7-2	COMPOSITE 8/11	STOCKPILE 9	STOCKPILE 10-1	STOCKPILE 10-2	STOCKPILE 10-3
Sample Date								3/12/24	3/12/24	3/12/24	3/12/24	3/12/24	3/12/24	3/12/24	3/12/24	3/12/24	3/12/24
Lab Sample ID	RES	I/C	GA	GB	GWPC	GWPC	20x	CQ26138	CQ26141	CQ26144	CQ26127	CQ26128	CQ26135	CQ26130	CQ26131	CQ26132	CQ26133
Lab Report ID	DEC	DEC	PMC	PMC		x10	Rule	GCQ26127	GCQ26127	GCQ26127	GCQ26127	GCQ26127	GCQ26127	GCQ26127	GCQ26127	GCQ26127	GCQ26127
VOCs 8260C (mg/Kg)																	
Methyl Ethyl Ketone (MEK 2-Butanone)	500	1,000	8	80	NS	NS	NA	0.068	<0.034	<0.037	<0.037	<0.035	<0.033	0.042	<0.041	<0.029	<0.033
Toluene	500	1,000	20	67	NS	NS	NA	0.011	<0.0057	<0.0061	<0.0061	<0.0058	<0.0055	<0.0053	<0.0069	<0.0048	<0.0056
SVOCs 8270E (mg/Kg)																	
Anthracene	1,000	2,500	40	400	NS	NS	NA	<0.28	<0.28	<0.28	<0.27	<0.26	<0.27	<0.29	<0.26	0.48	0.33
Benzo(a)anthracene	1	7.8	1	1	NS	NS	NA	0.3	0.66	0.67	0.33	<0.26	0.46	<0.29	0.39	1.7	1.1
Benzo(a)pyrene	1	1	1	1	NS	NS	NA	0.36	0.77	0.79	0.4	<0.26	0.49	0.31	0.38	**1.5**	0.98
Benzo(b)fluoranthene	1	7.8	1	1	NS	NS	NA	0.5	1.1	1.1	0.49	<0.26	0.64	0.35	0.52	1.9	1.2
Benzo(g,h,i)perylene	*8.4*	*78*	*1*	*1*	NS	NS	NA	<0.28	0.44	0.44	<0.27	<0.26	0.31	<0.29	<0.26	0.66	0.52
Benzo(k)fluoranthene	8.4	78	1	1	NS	NS	NA	<0.28	0.41	0.38	<0.27	<0.26	<0.27	<0.29	<0.26	0.65	0.46
Chrysene	*84*	*780*	*1*	*1*	NS	NS	NA	0.34	0.81	0.76	0.37	<0.26	0.43	<0.29	0.38	*1.5*	0.98
Fluoranthene	1,000	2,500	5.6	56	NS	NS	NA	0.59	1.5	1.5	0.73	<0.26	0.85	0.35	0.72	3.3	2.2
Indeno(1,2,3-cd)pyrene	*1*	*7.8*	*1*	*1*	NS	NS	NA	<0.28	0.53	0.51	<0.27	<0.26	0.33	<0.29	<0.26	0.72	0.58
Phenanthrene	1,000	2,500	4	40	NS	NS	NA	<0.28	0.48	0.65	<0.27	<0.26	0.32	<0.29	0.29	1.6	1.2
Pyrene	1,000	2,500	4	40	NS	NS	NA	0.54	1.2	1.3	0.61	<0.26	0.71	0.32	0.65	2.8	1.8
SPLP PAHs 8270E (SIM) (ug/L)																	
Phenanthrene	NS	NS	NS	NS	200	2,000	NA	-	0.07	<0.07	-	-	-	-	-	0.94	0.08
CTETPH 8015D (mg/Kg)	500	2,500	500	2,500	NS	NS	NA	<300	<310	<290	570	<280	<290	<310	<270	<280	<280
Metals 6010D (mg/Kg)																	
Antimony	27	8,200	0.006	0.06	NS	NS	NS	<4.1	<4.0	<4.2	<3.7	<3.4	<4.0	<4.1	<3.7	<3.5	<3.4
Arsenic	10	10	0.05	0.5	NS	NS	100	5.51	6.03	6.04	3.46	3.18	3.94	3.6	4.91	4.2	4.68
Barium	4,700	140,000	1	10	NS	NS	2,000	67.3	71.1	67.3	67	49	58.8	61	87	52.7	63.9
Beryllium	2	2	0.004	0.04	NS	NS	NS	0.49	0.48	0.48	0.32	0.3	0.5	0.48	<0.30	<0.28	0.3
Cadmium	34	1,000	0.005	0.05	NS	NS	20	0.74	1.12	1.08	0.76	0.49	0.48	0.46	0.76	0.54	0.76
Chromium (Total)	*100***	*100***	0.05	0.5	NS	NS	100	19.5	26.6	18.4	14.5	12.6	14.3	14.4	17.2	15.1	18.5
Copper	2,500	76,000	1.3	13	NS	NS	NS	52.5	69.1	104	41.9	42.4	28.5	36.3	168	88.2	136
Lead	400	1,000	0.015	0.15	NS	NS	100	92.3	92.6	98.8	39.3	38.6	30.1	32.6	101	54.4	80
Mercury (7471B)	20	610	0.002	0.02	NS	NS	4	0.13	0.12	0.11	0.11	0.06	0.1	0.1	0.22	0.12	0.18
Nickel	1,400	7,500	0.1	1	NS	NS	NS	14.6	16	19.7	12.2	9.9	12	11.4	13	10.3	13.3
Selenium	340	10,000	0.05	0.5	NS	NS	20	<1.6	<1.6	<1.7	<1.5	<1.4	<1.6	<1.6	<1.5	<1.4	<1.4
Silver	340	10,000	0.036	0.36	NS	NS	100	<0.41	<0.40	<0.42	<0.37	<0.34	<0.40	<0.41	<0.37	<0.35	<0.34
Thallium	5.4	160	0.005	0.05	NS	NS	NS	<3.7	<3.6	<3.8	<3.4	<3.1	<3.6	<3.7	<3.3	<3.2	<3.0
Vanadium	470	14,000	0.05	0.5	NS	NS	NS	31.7	43.3	32.5	28.3	28.4	30.7	27	18	19.5	21.2
Zinc	20,000	610,000	5	50	NS	NS	NS	107	131	130	86.1	69	67.9	64.1	183	108	144
Metals 6010D (mg/L)																	
Arsenic	NS	NS	0.05	0.5	NS	NS	NA	<0.004	-	<0.004	-	-	-	-	-	-	-
Barium	NS	NS	1	10	NS	NS	NA	-	-	0.01	-	-	-	-	-	-	-
Beryllium	NS	NS	0.004	0.04	NS	NS	NA	-	-	<0.001	<0.001	-	-	-	-	-	-
Chromium (Total)	NS	NS	0.05	0.5	NS	NS	NA	<0.01	-	-	-	-	-	-	-	-	<0.01
Copper	NS	NS	1.3	13	NS	NS	NA	-	-	0.012	-	-	-	-	-	-	-
Mercury	NS	NS	0.002	0.02	NS	NS	NA	<0.0005	-	-	-	-	-	-	-	-	<0.0005
Vanadium	NS	NS	0.05	0.5	NS	NS	NA	<0.01	-	<0.01	-	-	-	-	-	-	-
Zinc	NS	NS	5	50	NS	NS	NA	-	-	-	-	-	-	-	-	-	<0.01
PCBs 8082A (mg/Kg)																	
Aroclor-1260	NS	NS	NS	NS	NS	NS	NA	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.19	0.11	0.18
PCBs (Total)	1	10	NS	NS	NS	NS	NA	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.19	0.11	0.18
Pesticides 8081B (mg/Kg)																	
Chlordane	0.49	2.2	0.066	0.066	NS	NS	NA	*0.17*	*0.068*	*0.097*	<0.038	<0.037	<0.039	<0.041	<0.037	<0.038	<0.036
DDD, 4,4-	*NS*	*NS*	*NS*	*NS*	NS	NS	NA	<0.0016	<0.0016	0.0052	<0.0015	<0.0015	<0.0016	<0.0016	<0.003	<0.0015	<0.003
DDE, 4,4-	*NS*	*NS*	*NS*	*NS*	NS	NS	NA	0.022	0.021	0.017	0.0018	<0.0015	<0.0016	<0.003	<0.0015	0.01	<0.0015
DDT, 4,4-	*NS*	*NS*	*NS*	*NS*	NS	NS	NA	0.011	0.0097	0.011	0.0049	0.0063	<0.003	0.0066	<0.003	0.014	<0.0015
DDT (Total)	*1.8*	*17*	*0.003*	*0.02*	NS	NS	NA	*0.033*	*0.032*	*0.033*	*0.0067*	*0.0063*	ND	*0.0066*	ND	*0.024*	ND
SPLP Pesticides 8081B (ug/L)																	
Chlordane	NS	NS	NS	NS	0.3	3	NA	-	-	<0.055	-	-	-	-	-	-	-
DDT, 4,4-	NS	NS	NS	NS	NS	NS	NA	<0.005	-	<0.006	<0.005	-	-	<0.005	-	-	-
Herbicides 8151A (mg/Kg)	CS	CS	CS	CS	NS	NS	NA	BRL	BRL	-	-	-	-	-	-	-	BRL
SPLP Herbicides 8151A (ug/L)	NS	NS	NS	NS	CS	CS	NA	BRL	BRL	-	-	-	-	-	-	-	BRL

Notes
CTDEEP RSRs - Connecticut Department of Energy and Environmental Protection Remediation Standard Regulations (Feburary 16, 2021) and Technical Support Document:
Recommended Criteria Values for Common Additional Polluting Substances and Alternative Criteria Requests (September 2018)
CT ETPH - Connecticut Department of Public Health Extractable Total Petroleum Hydrocarbons
RES DEC - Residential Direct Exposure Criteria
GA/GB PMC - Pollutant Mobility Criteria in a GA/GB groundwater area
Boxed values indicate exceedances of RES DEC
Bold values indicate exceedances of I/C DEC
Dark/Light gray shaded values indicate exceedance of GA/GB PMC
Only analytes reported above reporting limits are summarized above
< xx indicates compound was not reported above laboratory reporting limit shown
** - No standards for Total Chromium. Hexavalent Chromium standards shown for comparison purposes.
PCBs - Polychlorinated Biphenyls
SVOCs - Semi-Volatile Organic Compounds
PAHs - Polycyclic Aromatic Hydrocarbons
VOCs - Volatile Organic Compounds
SPLP - Synthetic Precipitation Leaching Procedure
PMC compliance for PAHs, metals, and pesticides was achieved utilizating SPLP analysis in accordance with the RSRs.

Wednesday, April 03, 2024

Attn: Brian Sirowich
Tighe & Bond
213 Court St, Suite 1100
Middletown, CT 06457

Project ID: **OLSON DRIVE**
SDG ID: **GCQ26127**
Sample ID#s: **CQ26127 - CQ26128, CQ26130 - CQ26133, CQ26135, CQ26138, CQ26141, CQ26144**

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.

Enclosed are revised Analysis Report pages. Please replace and discard the original pages. 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
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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

SDG Comments

April 03, 2024

SDG I.D.: GCQ26127

Version 3:
PCB analyses were re-evaluated to the requested reporting level of 0.1ppm.

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

April 03, 2024

SDG I.D.: GCQ26127

Project ID: OLSON DRIVE

Client Id	Lab Id	Matrix
STOCKPILE 7-1	CQ26127	SOIL
STOCKPILE 7-2	CQ26128	SOIL
STOCKPILE 9	CQ26130	SOIL
STOCKPILE 10-1	CQ26131	SOIL
STOCKPILE 10-2	CQ26132	SOIL
STOCKPILE 10-3	CQ26133	SOIL
COMPOSITE 8/11	CQ26135	SOIL
COMPOSITE 1/2	CQ26138	SOIL
COMPOSITE 3/4	CQ26141	SOIL
COMPOSITE 5/6	CQ26144	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

April 03, 2024

FOR: Attn: Brian Sirowich
Tighe & Bond
213 Court St, Suite 1100
Middletown, CT 06457

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	PA	03/12/24	8:30
Location Code:	TIGHE-DAS	Received by:	LB	03/13/24	16:41
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	105093011				

Laboratory Data

SDG ID: GCQ26127
Phoenix ID: CQ26127

Project ID: OLSON DRIVE
Client ID: STOCKPILE 7-1

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.37	0.37	mg/Kg	1	03/14/24	TH	SW6010D
Arsenic	3.46	0.75	mg/Kg	1	03/14/24	TH	SW6010D
Barium	67.0	0.37	mg/Kg	1	03/14/24	TH	SW6010D
Beryllium	0.32	0.30	mg/Kg	1	03/14/24	TH	SW6010D
Cadmium	0.76	0.37	mg/Kg	1	03/14/24	TH	SW6010D
Chromium	14.5	0.37	mg/Kg	1	03/14/24	TH	SW6010D
Copper	41.9	0.7	mg/kg	1	03/14/24	TH	SW6010D
Mercury	0.11	0.03	mg/Kg	2	03/14/24	GW	SW7471B
Nickel	12.2	0.37	mg/Kg	1	03/14/24	TH	SW6010D
Lead	39.3	0.37	mg/Kg	1	03/14/24	TH	SW6010D
Antimony	< 3.7	3.7	mg/Kg	1	03/14/24	TH	SW6010D
Selenium	< 1.5	1.5	mg/Kg	1	03/14/24	TH	SW6010D
SPLP Beryllium	< 0.001	0.001	mg/L	1	03/27/24	TH	SW6010D
Thallium	< 3.4	3.4	mg/Kg	1	03/14/24	TH	SW6010D
SPLP Metals Digestion	Completed				03/27/24	AL/HL	SW3010A
Vanadium	28.3	0.37	mg/Kg	1	03/14/24	TH	SW6010D
Zinc	86.1	0.7	mg/Kg	1	03/14/24	TH	SW6010D
Percent Solid	86		%		03/13/24	CV	SW846-%Solid
Field Extraction	Completed				03/12/24		SW5035A
Mercury Digestion	Completed				03/14/24	HL/HL	SW7471B
Extraction of ETPH	Completed				03/14/24	C/U	SW3546
Soil Extraction for Pesticide	Completed				03/15/24	H/U	SW3546
Soil Extraction for SVOA	Completed				03/14/24	H/A	SW3546
Extraction for PCB	Completed				03/13/24	R/RB/CV	SW3540C
SPLP Extraction for Metals	Completed				03/26/24	AL	SW1312
SPLP Extraction for Organics	Completed				03/26/24	AL	SW1312
SPLP Pesticides Ext.	Completed				03/27/24	CV/CV	SW3510C

Ver 3

Project ID: OLSON DRIVE
Client ID: STOCKPILE 7-1

Phoenix I.D.: CQ26127

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Total Metals Digest	Completed				03/13/24	P/AG/BF	SW3050B
TPH by GC (Extractable Products)							
Ext. Petroleum H.C. (C9-C36)	570	290	mg/Kg	5	03/18/24	JRB	CTETPH
Identification	**		mg/Kg	5	03/18/24	JRB	CTETPH
QA/QC Surrogates							
% COD (surr)	84		%	5	03/18/24	JRB	50 - 150 %
% Terphenyl (surr)	146		%	5	03/18/24	JRB	50 - 150 %
PCB (Soxhlet SW3540C)							
PCB-1016	ND	100	ug/Kg	10	03/14/24	PS	SW8082A
PCB-1221	ND	100	ug/Kg	10	03/14/24	PS	SW8082A
PCB-1232	ND	100	ug/Kg	10	03/14/24	PS	SW8082A
PCB-1242	ND	100	ug/Kg	10	03/14/24	PS	SW8082A
PCB-1248	ND	100	ug/Kg	10	03/14/24	PS	SW8082A
PCB-1254	ND	100	ug/Kg	10	03/14/24	PS	SW8082A
PCB-1260	ND	100	ug/Kg	10	03/14/24	PS	SW8082A
PCB-1262	ND	100	ug/Kg	10	03/14/24	PS	SW8082A
PCB-1268	ND	100	ug/Kg	10	03/14/24	PS	SW8082A
Total PCBs	ND	100	ug/Kg	10	03/14/24	PS	SW8082A
QA/QC Surrogates							
% DCBP	75		%	10	03/14/24	PS	30 - 150 %
% DCBP (Confirmation)	77		%	10	03/14/24	PS	30 - 150 %
% TCMX	68		%	10	03/14/24	PS	30 - 150 %
% TCMX (Confirmation)	72		%	10	03/14/24	PS	30 - 150 %
Pesticides							
4,4' -DDD	ND	1.5	ug/Kg	2	03/18/24	AW	SW8081B
4,4' -DDE	1.8	1.5	ug/Kg	2	03/18/24	AW	SW8081B
4,4' -DDT	4.9	1.5	ug/Kg	2	03/18/24	AW	SW8081B
a-BHC	ND	1.5	ug/Kg	2	03/18/24	AW	SW8081B
Alachlor	ND	7.6	ug/Kg	2	03/18/24	AW	SW8081B
Aldrin	ND	1.5	ug/Kg	2	03/18/24	AW	SW8081B
b-BHC	ND	1.5	ug/Kg	2	03/18/24	AW	SW8081B
Chlordane	ND	38	ug/Kg	2	03/18/24	AW	SW8081B
d-BHC	ND	1.5	ug/Kg	2	03/18/24	AW	SW8081B
Dieldrin	ND	3.8	ug/Kg	2	03/18/24	AW	SW8081B
Endosulfan I	ND	7.6	ug/Kg	2	03/18/24	AW	SW8081B
Endosulfan II	ND	7.6	ug/Kg	2	03/18/24	AW	SW8081B
Endosulfan sulfate	ND	7.6	ug/Kg	2	03/18/24	AW	SW8081B
Endrin	ND	7.6	ug/Kg	2	03/18/24	AW	SW8081B
Endrin aldehyde	ND	7.6	ug/Kg	2	03/18/24	AW	SW8081B
Endrin ketone	ND	7.6	ug/Kg	2	03/18/24	AW	SW8081B
g-BHC	ND	1.5	ug/Kg	2	03/18/24	AW	SW8081B
Heptachlor	ND	7.6	ug/Kg	2	03/18/24	AW	SW8081B
Heptachlor epoxide	ND	7.6	ug/Kg	2	03/18/24	AW	SW8081B
Methoxychlor	ND	38	ug/Kg	2	03/18/24	AW	SW8081B
Toxaphene	ND	150	ug/Kg	2	03/18/24	AW	SW8081B
QA/QC Surrogates							
% DCBP	74		%	2	03/18/24	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% DCBP (Confirmation)	89		%	2	03/18/24	AW	30 - 150 %
% TCMX	79		%	2	03/18/24	AW	30 - 150 %
% TCMX (Confirmation)	69		%	2	03/18/24	AW	30 - 150 %
SPLP Pesticides							
4,4' -DDT	ND	0.005	ug/L	1	03/27/24	AW	SW8081B
QA/QC Surrogates							
%DCBP (Surrogate Rec)	58		%	1	03/27/24	AW	30 - 150 %
%DCBP (Surrogate Rec) (Confirmation)	53		%	1	03/27/24	AW	30 - 150 %
%TCMX (Surrogate Rec)	69		%	1	03/27/24	AW	30 - 150 %
%TCMX (Surrogate Rec) (Confirmation)	84		%	1	03/27/24	AW	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	6.1	ug/Kg	1	03/15/24	JLI	SW8260D
1,1,1-Trichloroethane	ND	6.1	ug/Kg	1	03/15/24	JLI	SW8260D
1,1,2,2-Tetrachloroethane	ND	3.7	ug/Kg	1	03/15/24	JLI	SW8260D
1,1,2-Trichloroethane	ND	6.1	ug/Kg	1	03/15/24	JLI	SW8260D
1,1-Dichloroethane	ND	6.1	ug/Kg	1	03/15/24	JLI	SW8260D
1,1-Dichloroethene	ND	6.1	ug/Kg	1	03/15/24	JLI	SW8260D
1,1-Dichloropropene	ND	6.1	ug/Kg	1	03/15/24	JLI	SW8260D
1,2,3-Trichlorobenzene	ND	6.1	ug/Kg	1	03/15/24	JLI	SW8260D
1,2,3-Trichloropropane	ND	6.1	ug/Kg	1	03/15/24	JLI	SW8260D
1,2,4-Trichlorobenzene	ND	6.1	ug/Kg	1	03/15/24	JLI	SW8260D
1,2,4-Trimethylbenzene	ND	6.1	ug/Kg	1	03/15/24	JLI	SW8260D
1,2-Dibromo-3-chloropropane	ND	5.0	ug/Kg	1	03/15/24	JLI	SW8260D
1,2-Dibromoethane	ND	0.61	ug/Kg	1	03/15/24	JLI	SW8260D
1,2-Dichlorobenzene	ND	6.1	ug/Kg	1	03/15/24	JLI	SW8260D
1,2-Dichloroethane	ND	6.1	ug/Kg	1	03/15/24	JLI	SW8260D
1,2-Dichloropropane	ND	6.1	ug/Kg	1	03/15/24	JLI	SW8260D
1,3,5-Trimethylbenzene	ND	6.1	ug/Kg	1	03/15/24	JLI	SW8260D
1,3-Dichlorobenzene	ND	6.1	ug/Kg	1	03/15/24	JLI	SW8260D
1,3-Dichloropropane	ND	6.1	ug/Kg	1	03/15/24	JLI	SW8260D
1,4-Dichlorobenzene	ND	6.1	ug/Kg	1	03/15/24	JLI	SW8260D
2,2-Dichloropropane	ND	6.1	ug/Kg	1	03/15/24	JLI	SW8260D
2-Chlorotoluene	ND	6.1	ug/Kg	1	03/15/24	JLI	SW8260D
2-Hexanone	ND	31	ug/Kg	1	03/15/24	JLI	SW8260D
2-Isopropyltoluene	ND	6.1	ug/Kg	1	03/15/24	JLI	SW8260D
4-Chlorotoluene	ND	6.1	ug/Kg	1	03/15/24	JLI	SW8260D
4-Methyl-2-pentanone	ND	31	ug/Kg	1	03/15/24	JLI	SW8260D
Acetone	ND	310	ug/Kg	1	03/15/24	JLI	SW8260D
Acrylonitrile	ND	6.1	ug/Kg	1	03/15/24	JLI	SW8260D
Benzene	ND	6.1	ug/Kg	1	03/15/24	JLI	SW8260D
Bromobenzene	ND	6.1	ug/Kg	1	03/15/24	JLI	SW8260D
Bromochloromethane	ND	6.1	ug/Kg	1	03/15/24	JLI	SW8260D
Bromodichloromethane	ND	6.1	ug/Kg	1	03/15/24	JLI	SW8260D
Bromoform	ND	6.1	ug/Kg	1	03/15/24	JLI	SW8260D
Bromomethane	ND	6.1	ug/Kg	1	03/15/24	JLI	SW8260D
Carbon Disulfide	ND	6.1	ug/Kg	1	03/15/24	JLI	SW8260D
Carbon tetrachloride	ND	6.1	ug/Kg	1	03/15/24	JLI	SW8260D
Chlorobenzene	ND	6.1	ug/Kg	1	03/15/24	JLI	SW8260D

Project ID: OLSON DRIVE
Client ID: STOCKPILE 7-1

Phoenix I.D.: CQ26127

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Chloroethane	ND	6.1	ug/Kg	1	03/15/24	JLI	SW8260D
Chloroform	ND	6.1	ug/Kg	1	03/15/24	JLI	SW8260D
Chloromethane	ND	6.1	ug/Kg	1	03/15/24	JLI	SW8260D
cis-1,2-Dichloroethene	ND	6.1	ug/Kg	1	03/15/24	JLI	SW8260D
cis-1,3-Dichloropropene	ND	6.1	ug/Kg	1	03/15/24	JLI	SW8260D
Dibromochloromethane	ND	3.7	ug/Kg	1	03/15/24	JLI	SW8260D
Dibromomethane	ND	6.1	ug/Kg	1	03/15/24	JLI	SW8260D
Dichlorodifluoromethane	ND	6.1	ug/Kg	1	03/15/24	JLI	SW8260D
Ethylbenzene	ND	6.1	ug/Kg	1	03/15/24	JLI	SW8260D
Hexachlorobutadiene	ND	6.1	ug/Kg	1	03/15/24	JLI	SW8260D
Isopropylbenzene	ND	6.1	ug/Kg	1	03/15/24	JLI	SW8260D
m&p-Xylene	ND	6.1	ug/Kg	1	03/15/24	JLI	SW8260D
Methyl Ethyl Ketone	ND	37	ug/Kg	1	03/15/24	JLI	SW8260D
Methyl t-butyl ether (MTBE)	ND	12	ug/Kg	1	03/15/24	JLI	SW8260D
Methylene chloride	ND	12	ug/Kg	1	03/15/24	JLI	SW8260D
Naphthalene	ND	6.1	ug/Kg	1	03/15/24	JLI	SW8260D
n-Butylbenzene	ND	6.1	ug/Kg	1	03/15/24	JLI	SW8260D
n-Propylbenzene	ND	6.1	ug/Kg	1	03/15/24	JLI	SW8260D
o-Xylene	ND	6.1	ug/Kg	1	03/15/24	JLI	SW8260D
p-Isopropyltoluene	ND	6.1	ug/Kg	1	03/15/24	JLI	SW8260D
sec-Butylbenzene	ND	6.1	ug/Kg	1	03/15/24	JLI	SW8260D
Styrene	ND	6.1	ug/Kg	1	03/15/24	JLI	SW8260D
tert-Butylbenzene	ND	6.1	ug/Kg	1	03/15/24	JLI	SW8260D
Tetrachloroethene	ND	6.1	ug/Kg	1	03/15/24	JLI	SW8260D
Tetrahydrofuran (THF)	ND	12	ug/Kg	1	03/15/24	JLI	SW8260D
Toluene	ND	6.1	ug/Kg	1	03/15/24	JLI	SW8260D
Total Xylenes	ND	6.1	ug/Kg	1	03/15/24	JLI	SW8260D
trans-1,2-Dichloroethene	ND	6.1	ug/Kg	1	03/15/24	JLI	SW8260D
trans-1,3-Dichloropropene	ND	6.1	ug/Kg	1	03/15/24	JLI	SW8260D
trans-1,4-dichloro-2-butene	ND	12	ug/Kg	1	03/15/24	JLI	SW8260D
Trichloroethene	ND	6.1	ug/Kg	1	03/15/24	JLI	SW8260D
Trichlorofluoromethane	ND	6.1	ug/Kg	1	03/15/24	JLI	SW8260D
Trichlorotrifluoroethane	ND	12	ug/Kg	1	03/15/24	JLI	SW8260D
Vinyl chloride	ND	6.1	ug/Kg	1	03/15/24	JLI	SW8260D
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	97		%	1	03/15/24	JLI	70 - 130 %
% Bromofluorobenzene	97		%	1	03/15/24	JLI	70 - 130 %
% Dibromofluoromethane	98		%	1	03/15/24	JLI	70 - 130 %
% Toluene-d8	101		%	1	03/15/24	JLI	70 - 130 %
Semivolatiles							
1,2,4,5-Tetrachlorobenzene	ND	100	ug/Kg	1	03/15/24	MR	SW8270E
1,2,4-Trichlorobenzene	ND	270	ug/Kg	1	03/15/24	MR	SW8270E
1,2-Dichlorobenzene	ND	270	ug/Kg	1	03/15/24	MR	SW8270E
1,2-Diphenylhydrazine	ND	200	ug/Kg	1	03/15/24	MR	SW8270E
1,3-Dichlorobenzene	ND	270	ug/Kg	1	03/15/24	MR	SW8270E
1,4-Dichlorobenzene	ND	270	ug/Kg	1	03/15/24	MR	SW8270E
2,2'-Oxybis(1-Chloropropane)	ND	270	ug/Kg	1	03/15/24	MR	SW8270E
2,4,5-Trichlorophenol	ND	270	ug/Kg	1	03/15/24	MR	SW8270E
2,4,6-Trichlorophenol	ND	200	ug/Kg	1	03/15/24	MR	SW8270E

Project ID: OLSON DRIVE
Client ID: STOCKPILE 7-1

Phoenix I.D.: CQ26127

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
2,4-Dichlorophenol	ND	270	ug/Kg	1	03/15/24	MR	SW8270E
2,4-Dimethylphenol	ND	270	ug/Kg	1	03/15/24	MR	SW8270E
2,4-Dinitrophenol	ND	300	ug/Kg	1	03/15/24	MR	SW8270E
2,4-Dinitrotoluene	ND	200	ug/Kg	1	03/15/24	MR	SW8270E
2,6-Dinitrotoluene	ND	200	ug/Kg	1	03/15/24	MR	SW8270E
2-Chloronaphthalene	ND	270	ug/Kg	1	03/15/24	MR	SW8270E
2-Chlorophenol	ND	270	ug/Kg	1	03/15/24	MR	SW8270E
2-Methylnaphthalene	ND	270	ug/Kg	1	03/15/24	MR	SW8270E
2-Methylphenol (o-cresol)	ND	270	ug/Kg	1	03/15/24	MR	SW8270E
2-Nitroaniline	ND	300	ug/Kg	1	03/15/24	MR	SW8270E
2-Nitrophenol	ND	270	ug/Kg	1	03/15/24	MR	SW8270E
3&4-Methylphenol (m&p-cresol)	ND	380	ug/Kg	1	03/15/24	MR	SW8270E
3,3'-Dichlorobenzidine	ND	200	ug/Kg	1	03/15/24	MR	SW8270E
3-Nitroaniline	ND	300	ug/Kg	1	03/15/24	MR	SW8270E
4,6-Dinitro-2-methylphenol	ND	300	ug/Kg	1	03/15/24	MR	SW8270E
4-Bromophenyl phenyl ether	ND	380	ug/Kg	1	03/15/24	MR	SW8270E
4-Chloro-3-methylphenol	ND	270	ug/Kg	1	03/15/24	MR	SW8270E
4-Chloroaniline	ND	200	ug/Kg	1	03/15/24	MR	SW8270E
4-Chlorophenyl phenyl ether	ND	270	ug/Kg	1	03/15/24	MR	SW8270E
4-Nitroaniline	ND	300	ug/Kg	1	03/15/24	MR	SW8270E
4-Nitrophenol	ND	270	ug/Kg	1	03/15/24	MR	SW8270E
Acenaphthene	ND	270	ug/Kg	1	03/15/24	MR	SW8270E
Acenaphthylene	ND	270	ug/Kg	1	03/15/24	MR	SW8270E
Acetophenone	ND	270	ug/Kg	1	03/15/24	MR	SW8270E
Aniline	ND	200	ug/Kg	1	03/15/24	MR	SW8270E
Anthracene	ND	270	ug/Kg	1	03/15/24	MR	SW8270E
Benz(a)anthracene	330	270	ug/Kg	1	03/15/24	MR	SW8270E
Benzidine	ND	200	ug/Kg	1	03/15/24	MR	SW8270E
Benzo(a)pyrene	400	270	ug/Kg	1	03/15/24	MR	SW8270E
Benzo(b)fluoranthene	490	270	ug/Kg	1	03/15/24	MR	SW8270E
Benzo(ghi)perylene	ND	270	ug/Kg	1	03/15/24	MR	SW8270E
Benzo(k)fluoranthene	ND	270	ug/Kg	1	03/15/24	MR	SW8270E
Benzoic acid	ND	760	ug/Kg	1	03/15/24	MR	SW8270E
Benzyl butyl phthalate	ND	270	ug/Kg	1	03/15/24	MR	SW8270E
Bis(2-chloroethoxy)methane	ND	270	ug/Kg	1	03/15/24	MR	SW8270E
Bis(2-chloroethyl)ether	ND	380	ug/Kg	1	03/15/24	MR	SW8270E
Bis(2-ethylhexyl)phthalate	ND	380	ug/Kg	1	03/15/24	MR	SW8270E
Carbazole	ND	200	ug/Kg	1	03/15/24	MR	SW8270E
Chrysene	370	270	ug/Kg	1	03/15/24	MR	SW8270E
Dibenz(a,h)anthracene	ND	270	ug/Kg	1	03/15/24	MR	SW8270E
Dibenzofuran	ND	200	ug/Kg	1	03/15/24	MR	SW8270E
Diethyl phthalate	ND	270	ug/Kg	1	03/15/24	MR	SW8270E
Dimethylphthalate	ND	270	ug/Kg	1	03/15/24	MR	SW8270E
Di-n-butylphthalate	ND	380	ug/Kg	1	03/15/24	MR	SW8270E
Di-n-octylphthalate	ND	270	ug/Kg	1	03/15/24	MR	SW8270E
Fluoranthene	730	270	ug/Kg	1	03/15/24	MR	SW8270E
Fluorene	ND	270	ug/Kg	1	03/15/24	MR	SW8270E
Hexachlorobenzene	ND	270	ug/Kg	1	03/15/24	MR	SW8270E
Hexachlorobutadiene	ND	200	ug/Kg	1	03/15/24	MR	SW8270E

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Hexachlorocyclopentadiene	ND	270	ug/Kg	1	03/15/24	MR	SW8270E
Hexachloroethane	ND	270	ug/Kg	1	03/15/24	MR	SW8270E
Indeno(1,2,3-cd)pyrene	ND	270	ug/Kg	1	03/15/24	MR	SW8270E
Isophorone	ND	270	ug/Kg	1	03/15/24	MR	SW8270E
Naphthalene	ND	270	ug/Kg	1	03/15/24	MR	SW8270E
Nitrobenzene	ND	200	ug/Kg	1	03/15/24	MR	SW8270E
N-Nitrosodimethylamine	ND	200	ug/Kg	1	03/15/24	MR	SW8270E
N-Nitrosodi-n-propylamine	ND	200	ug/Kg	1	03/15/24	MR	SW8270E
N-Nitrosodiphenylamine	ND	200	ug/Kg	1	03/15/24	MR	SW8270E
Pentachloronitrobenzene	ND	140	ug/Kg	1	03/15/24	MR	SW8270E
Pentachlorophenol	ND	380	ug/Kg	1	03/15/24	MR	SW8270E
Phenanthrene	ND	270	ug/Kg	1	03/15/24	MR	SW8270E
Phenol	ND	270	ug/Kg	1	03/15/24	MR	SW8270E
Pyrene	610	270	ug/Kg	1	03/15/24	MR	SW8270E
Pyridine	ND	200	ug/Kg	1	03/15/24	MR	SW8270E
QA/QC Surrogates							
% 2,4,6-Tribromophenol	74		%	1	03/15/24	MR	30 - 130 %
% 2-Fluorobiphenyl	71		%	1	03/15/24	MR	30 - 130 %
% 2-Fluorophenol	73		%	1	03/15/24	MR	30 - 130 %
% Nitrobenzene-d5	83		%	1	03/15/24	MR	30 - 130 %
% Phenol-d5	79		%	1	03/15/24	MR	30 - 130 %
% Terphenyl-d14	78		%	1	03/15/24	MR	30 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
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.

TPH Comment:
**Petroleum hydrocarbon chromatogram contains a multicomponent hydrocarbon distribution in the range of C19 to C36. The sample was quantitated against a C9-C36 alkane hydrocarbon standard.

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
April 03, 2024
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

Analysis Report

April 03, 2024

FOR: Attn: Brian Sirowich
Tighe & Bond
213 Court St, Suite 1100
Middletown, CT 06457

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	PA	03/12/24	9:00
Location Code:	TIGHE-DAS	Received by:	LB	03/13/24	16:41
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	105093011				

Laboratory Data

SDG ID: GCQ26127
Phoenix ID: CQ26128

Project ID: OLSON DRIVE
Client ID: STOCKPILE 7-2

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.34	0.34	mg/Kg	1	03/14/24	TH	SW6010D
Arsenic	3.18	0.68	mg/Kg	1	03/14/24	TH	SW6010D
Barium	49.0	0.34	mg/Kg	1	03/14/24	TH	SW6010D
Beryllium	0.30	0.27	mg/Kg	1	03/14/24	TH	SW6010D
Cadmium	0.49	0.34	mg/Kg	1	03/14/24	TH	SW6010D
Chromium	12.6	0.34	mg/Kg	1	03/14/24	TH	SW6010D
Copper	42.4	0.7	mg/kg	1	03/14/24	TH	SW6010D
Mercury	0.06	0.03	mg/Kg	2	03/14/24	GW	SW7471B
Nickel	9.90	0.34	mg/Kg	1	03/14/24	TH	SW6010D
Lead	38.6	0.34	mg/Kg	1	03/14/24	TH	SW6010D
Antimony	< 3.4	3.4	mg/Kg	1	03/14/24	TH	SW6010D
Selenium	< 1.4	1.4	mg/Kg	1	03/14/24	TH	SW6010D
Thallium	< 3.1	3.1	mg/Kg	1	03/14/24	TH	SW6010D
Vanadium	28.4	0.34	mg/Kg	1	03/14/24	TH	SW6010D
Zinc	69.0	0.7	mg/Kg	1	03/14/24	TH	SW6010D
Percent Solid	88		%		03/13/24	CV	SW846-%Solid
Field Extraction	Completed				03/12/24		SW5035A
Mercury Digestion	Completed				03/14/24	HL/HL	SW7471B
Extraction of ETPH	Completed				03/14/24	C/U	SW3546
Soil Extraction for Pesticide	Completed				03/15/24	H/U	SW3546
Soil Extraction for SVOA	Completed				03/14/24	H/HL/HL	SW3546
Extraction for PCB	Completed				03/13/24	R/RB/CV	SW3540C
Total Metals Digest	Completed				03/13/24	P/AG/BF	SW3050B
TPH by GC (Extractable Products)							
Ext. Petroleum H.C. (C9-C36)	ND	280	mg/Kg	5	03/18/24	JRB	CTETPH
Identification	ND		mg/Kg	5	03/18/24	JRB	CTETPH

Ver 3

Project ID: OLSON DRIVE
Client ID: STOCKPILE 7-2

Phoenix I.D.: CQ26128

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
QA/QC Surrogates							
% COD (surr)	77		%	5	03/18/24	JRB	50 - 150 %
% Terphenyl (surr)	83		%	5	03/18/24	JRB	50 - 150 %
PCB (Soxhlet SW3540C)							
PCB-1016	ND	100	ug/Kg	10	03/14/24	PS	SW8082A
PCB-1221	ND	100	ug/Kg	10	03/14/24	PS	SW8082A
PCB-1232	ND	100	ug/Kg	10	03/14/24	PS	SW8082A
PCB-1242	ND	100	ug/Kg	10	03/14/24	PS	SW8082A
PCB-1248	ND	100	ug/Kg	10	03/14/24	PS	SW8082A
PCB-1254	ND	100	ug/Kg	10	03/14/24	PS	SW8082A
PCB-1260	ND	100	ug/Kg	10	03/14/24	PS	SW8082A
PCB-1262	ND	100	ug/Kg	10	03/14/24	PS	SW8082A
PCB-1268	ND	100	ug/Kg	10	03/14/24	PS	SW8082A
Total PCBs	ND	100	ug/Kg	10	03/14/24	PS	SW8082A
QA/QC Surrogates							
% DCBP	90		%	10	03/14/24	PS	30 - 150 %
% DCBP (Confirmation)	78		%	10	03/14/24	PS	30 - 150 %
% TCMX	84		%	10	03/14/24	PS	30 - 150 %
% TCMX (Confirmation)	89		%	10	03/14/24	PS	30 - 150 %
Pesticides							
4,4' -DDD	ND	1.5	ug/Kg	2	03/18/24	AW	SW8081B
4,4' -DDE	ND	1.5	ug/Kg	2	03/18/24	AW	SW8081B
4,4' -DDT	6.3	1.5	ug/Kg	2	03/18/24	AW	SW8081B
a-BHC	ND	1.5	ug/Kg	2	03/18/24	AW	SW8081B
Alachlor	ND	7.4	ug/Kg	2	03/18/24	AW	SW8081B
Aldrin	ND	1.5	ug/Kg	2	03/18/24	AW	SW8081B
b-BHC	ND	1.5	ug/Kg	2	03/18/24	AW	SW8081B
Chlordane	ND	37	ug/Kg	2	03/18/24	AW	SW8081B
d-BHC	ND	1.5	ug/Kg	2	03/18/24	AW	SW8081B
Dieldrin	ND	3.7	ug/Kg	2	03/18/24	AW	SW8081B
Endosulfan I	ND	7.4	ug/Kg	2	03/18/24	AW	SW8081B
Endosulfan II	ND	7.4	ug/Kg	2	03/18/24	AW	SW8081B
Endosulfan sulfate	ND	7.4	ug/Kg	2	03/18/24	AW	SW8081B
Endrin	ND	7.4	ug/Kg	2	03/18/24	AW	SW8081B
Endrin aldehyde	ND	7.4	ug/Kg	2	03/18/24	AW	SW8081B
Endrin ketone	ND	7.4	ug/Kg	2	03/18/24	AW	SW8081B
g-BHC	ND	1.5	ug/Kg	2	03/18/24	AW	SW8081B
Heptachlor	ND	7.4	ug/Kg	2	03/18/24	AW	SW8081B
Heptachlor epoxide	ND	7.4	ug/Kg	2	03/18/24	AW	SW8081B
Methoxychlor	ND	37	ug/Kg	2	03/18/24	AW	SW8081B
Toxaphene	ND	150	ug/Kg	2	03/18/24	AW	SW8081B
QA/QC Surrogates							
% DCBP	76		%	2	03/18/24	AW	30 - 150 %
% DCBP (Confirmation)	80		%	2	03/18/24	AW	30 - 150 %
% TCMX	76		%	2	03/18/24	AW	30 - 150 %
% TCMX (Confirmation)	68		%	2	03/18/24	AW	30 - 150 %

Project ID: OLSON DRIVE
Client ID: STOCKPILE 7-2

Phoenix I.D.: CQ26128

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.8	ug/Kg	1	03/14/24	JLI	SW8260D
1,1,1-Trichloroethane	ND	5.8	ug/Kg	1	03/14/24	JLI	SW8260D
1,1,2,2-Tetrachloroethane	ND	3.5	ug/Kg	1	03/14/24	JLI	SW8260D
1,1,2-Trichloroethane	ND	5.8	ug/Kg	1	03/14/24	JLI	SW8260D
1,1-Dichloroethane	ND	5.8	ug/Kg	1	03/14/24	JLI	SW8260D
1,1-Dichloroethene	ND	5.8	ug/Kg	1	03/14/24	JLI	SW8260D
1,1-Dichloropropene	ND	5.8	ug/Kg	1	03/14/24	JLI	SW8260D
1,2,3-Trichlorobenzene	ND	5.8	ug/Kg	1	03/14/24	JLI	SW8260D
1,2,3-Trichloropropane	ND	5.8	ug/Kg	1	03/14/24	JLI	SW8260D
1,2,4-Trichlorobenzene	ND	5.8	ug/Kg	1	03/14/24	JLI	SW8260D
1,2,4-Trimethylbenzene	ND	5.8	ug/Kg	1	03/14/24	JLI	SW8260D
1,2-Dibromo-3-chloropropane	ND	5.0	ug/Kg	1	03/14/24	JLI	SW8260D
1,2-Dibromoethane	ND	0.58	ug/Kg	1	03/14/24	JLI	SW8260D
1,2-Dichlorobenzene	ND	5.8	ug/Kg	1	03/14/24	JLI	SW8260D
1,2-Dichloroethane	ND	5.8	ug/Kg	1	03/14/24	JLI	SW8260D
1,2-Dichloropropane	ND	5.8	ug/Kg	1	03/14/24	JLI	SW8260D
1,3,5-Trimethylbenzene	ND	5.8	ug/Kg	1	03/14/24	JLI	SW8260D
1,3-Dichlorobenzene	ND	5.8	ug/Kg	1	03/14/24	JLI	SW8260D
1,3-Dichloropropane	ND	5.8	ug/Kg	1	03/14/24	JLI	SW8260D
1,4-Dichlorobenzene	ND	5.8	ug/Kg	1	03/14/24	JLI	SW8260D
2,2-Dichloropropane	ND	5.8	ug/Kg	1	03/14/24	JLI	SW8260D
2-Chlorotoluene	ND	5.8	ug/Kg	1	03/14/24	JLI	SW8260D
2-Hexanone	ND	29	ug/Kg	1	03/14/24	JLI	SW8260D
2-Isopropyltoluene	ND	5.8	ug/Kg	1	03/14/24	JLI	SW8260D
4-Chlorotoluene	ND	5.8	ug/Kg	1	03/14/24	JLI	SW8260D
4-Methyl-2-pentanone	ND	29	ug/Kg	1	03/14/24	JLI	SW8260D
Acetone	ND	290	ug/Kg	1	03/14/24	JLI	SW8260D
Acrylonitrile	ND	5.8	ug/Kg	1	03/14/24	JLI	SW8260D
Benzene	ND	5.8	ug/Kg	1	03/14/24	JLI	SW8260D
Bromobenzene	ND	5.8	ug/Kg	1	03/14/24	JLI	SW8260D
Bromochloromethane	ND	5.8	ug/Kg	1	03/14/24	JLI	SW8260D
Bromodichloromethane	ND	5.8	ug/Kg	1	03/14/24	JLI	SW8260D
Bromoform	ND	5.8	ug/Kg	1	03/14/24	JLI	SW8260D
Bromomethane	ND	5.8	ug/Kg	1	03/14/24	JLI	SW8260D
Carbon Disulfide	ND	5.8	ug/Kg	1	03/14/24	JLI	SW8260D
Carbon tetrachloride	ND	5.8	ug/Kg	1	03/14/24	JLI	SW8260D
Chlorobenzene	ND	5.8	ug/Kg	1	03/14/24	JLI	SW8260D
Chloroethane	ND	5.8	ug/Kg	1	03/14/24	JLI	SW8260D
Chloroform	ND	5.8	ug/Kg	1	03/14/24	JLI	SW8260D
Chloromethane	ND	5.8	ug/Kg	1	03/14/24	JLI	SW8260D
cis-1,2-Dichloroethene	ND	5.8	ug/Kg	1	03/14/24	JLI	SW8260D
cis-1,3-Dichloropropene	ND	5.8	ug/Kg	1	03/14/24	JLI	SW8260D
Dibromochloromethane	ND	3.5	ug/Kg	1	03/14/24	JLI	SW8260D
Dibromomethane	ND	5.8	ug/Kg	1	03/14/24	JLI	SW8260D
Dichlorodifluoromethane	ND	5.8	ug/Kg	1	03/14/24	JLI	SW8260D
Ethylbenzene	ND	5.8	ug/Kg	1	03/14/24	JLI	SW8260D
Hexachlorobutadiene	ND	5.8	ug/Kg	1	03/14/24	JLI	SW8260D
Isopropylbenzene	ND	5.8	ug/Kg	1	03/14/24	JLI	SW8260D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
m&p-Xylene	ND	5.8	ug/Kg	1	03/14/24	JLI	SW8260D
Methyl Ethyl Ketone	ND	35	ug/Kg	1	03/14/24	JLI	SW8260D
Methyl t-butyl ether (MTBE)	ND	12	ug/Kg	1	03/14/24	JLI	SW8260D
Methylene chloride	ND	12	ug/Kg	1	03/14/24	JLI	SW8260D
Naphthalene	ND	5.8	ug/Kg	1	03/14/24	JLI	SW8260D
n-Butylbenzene	ND	5.8	ug/Kg	1	03/14/24	JLI	SW8260D
n-Propylbenzene	ND	5.8	ug/Kg	1	03/14/24	JLI	SW8260D
o-Xylene	ND	5.8	ug/Kg	1	03/14/24	JLI	SW8260D
p-Isopropyltoluene	ND	5.8	ug/Kg	1	03/14/24	JLI	SW8260D
sec-Butylbenzene	ND	5.8	ug/Kg	1	03/14/24	JLI	SW8260D
Styrene	ND	5.8	ug/Kg	1	03/14/24	JLI	SW8260D
tert-Butylbenzene	ND	5.8	ug/Kg	1	03/14/24	JLI	SW8260D
Tetrachloroethene	ND	5.8	ug/Kg	1	03/14/24	JLI	SW8260D
Tetrahydrofuran (THF)	ND	12	ug/Kg	1	03/14/24	JLI	SW8260D
Toluene	ND	5.8	ug/Kg	1	03/14/24	JLI	SW8260D
Total Xylenes	ND	5.8	ug/Kg	1	03/14/24	JLI	SW8260D
trans-1,2-Dichloroethene	ND	5.8	ug/Kg	1	03/14/24	JLI	SW8260D
trans-1,3-Dichloropropene	ND	5.8	ug/Kg	1	03/14/24	JLI	SW8260D
trans-1,4-dichloro-2-butene	ND	12	ug/Kg	1	03/14/24	JLI	SW8260D
Trichloroethene	ND	5.8	ug/Kg	1	03/14/24	JLI	SW8260D
Trichlorofluoromethane	ND	5.8	ug/Kg	1	03/14/24	JLI	SW8260D
Trichlorotrifluoroethane	ND	12	ug/Kg	1	03/14/24	JLI	SW8260D
Vinyl chloride	ND	5.8	ug/Kg	1	03/14/24	JLI	SW8260D
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	102		%	1	03/14/24	JLI	70 - 130 %
% Bromofluorobenzene	97		%	1	03/14/24	JLI	70 - 130 %
% Dibromofluoromethane	99		%	1	03/14/24	JLI	70 - 130 %
% Toluene-d8	102		%	1	03/14/24	JLI	70 - 130 %
Semivolatiles							
1,2,4,5-Tetrachlorobenzene	ND	100	ug/Kg	1	03/16/24	MR	SW8270E
1,2,4-Trichlorobenzene	ND	260	ug/Kg	1	03/16/24	MR	SW8270E
1,2-Dichlorobenzene	ND	260	ug/Kg	1	03/16/24	MR	SW8270E
1,2-Diphenylhydrazine	ND	200	ug/Kg	1	03/16/24	MR	SW8270E
1,3-Dichlorobenzene	ND	260	ug/Kg	1	03/16/24	MR	SW8270E
1,4-Dichlorobenzene	ND	260	ug/Kg	1	03/16/24	MR	SW8270E
2,2'-Oxybis(1-Chloropropane)	ND	260	ug/Kg	1	03/16/24	MR	SW8270E
2,4,5-Trichlorophenol	ND	260	ug/Kg	1	03/16/24	MR	SW8270E
2,4,6-Trichlorophenol	ND	200	ug/Kg	1	03/16/24	MR	SW8270E
2,4-Dichlorophenol	ND	260	ug/Kg	1	03/16/24	MR	SW8270E
2,4-Dimethylphenol	ND	260	ug/Kg	1	03/16/24	MR	SW8270E
2,4-Dinitrophenol	ND	300	ug/Kg	1	03/16/24	MR	SW8270E
2,4-Dinitrotoluene	ND	200	ug/Kg	1	03/16/24	MR	SW8270E
2,6-Dinitrotoluene	ND	200	ug/Kg	1	03/16/24	MR	SW8270E
2-Chloronaphthalene	ND	260	ug/Kg	1	03/16/24	MR	SW8270E
2-Chlorophenol	ND	260	ug/Kg	1	03/16/24	MR	SW8270E
2-Methylnaphthalene	ND	260	ug/Kg	1	03/16/24	MR	SW8270E
2-Methylphenol (o-cresol)	ND	260	ug/Kg	1	03/16/24	MR	SW8270E
2-Nitroaniline	ND	300	ug/Kg	1	03/16/24	MR	SW8270E
2-Nitrophenol	ND	260	ug/Kg	1	03/16/24	MR	SW8270E

Project ID: OLSON DRIVE
Client ID: STOCKPILE 7-2

Phoenix I.D.: CQ26128

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
3&4-Methylphenol (m&p-cresol)	ND	380	ug/Kg	1	03/16/24	MR	SW8270E
3,3'-Dichlorobenzidine	ND	200	ug/Kg	1	03/16/24	MR	SW8270E
3-Nitroaniline	ND	300	ug/Kg	1	03/16/24	MR	SW8270E
4,6-Dinitro-2-methylphenol	ND	300	ug/Kg	1	03/16/24	MR	SW8270E
4-Bromophenyl phenyl ether	ND	380	ug/Kg	1	03/16/24	MR	SW8270E
4-Chloro-3-methylphenol	ND	260	ug/Kg	1	03/16/24	MR	SW8270E
4-Chloroaniline	ND	200	ug/Kg	1	03/16/24	MR	SW8270E
4-Chlorophenyl phenyl ether	ND	260	ug/Kg	1	03/16/24	MR	SW8270E
4-Nitroaniline	ND	300	ug/Kg	1	03/16/24	MR	SW8270E
4-Nitrophenol	ND	260	ug/Kg	1	03/16/24	MR	SW8270E
Acenaphthene	ND	260	ug/Kg	1	03/16/24	MR	SW8270E
Acenaphthylene	ND	260	ug/Kg	1	03/16/24	MR	SW8270E
Acetophenone	ND	260	ug/Kg	1	03/16/24	MR	SW8270E
Aniline	ND	200	ug/Kg	1	03/16/24	MR	SW8270E
Anthracene	ND	260	ug/Kg	1	03/16/24	MR	SW8270E
Benz(a)anthracene	ND	260	ug/Kg	1	03/16/24	MR	SW8270E
Benzidine	ND	200	ug/Kg	1	03/16/24	MR	SW8270E
Benzo(a)pyrene	ND	260	ug/Kg	1	03/16/24	MR	SW8270E
Benzo(b)fluoranthene	ND	260	ug/Kg	1	03/16/24	MR	SW8270E
Benzo(ghi)perylene	ND	260	ug/Kg	1	03/16/24	MR	SW8270E
Benzo(k)fluoranthene	ND	260	ug/Kg	1	03/16/24	MR	SW8270E
Benzoic acid	ND	760	ug/Kg	1	03/16/24	MR	SW8270E
Benzyl butyl phthalate	ND	260	ug/Kg	1	03/16/24	MR	SW8270E
Bis(2-chloroethoxy)methane	ND	260	ug/Kg	1	03/16/24	MR	SW8270E
Bis(2-chloroethyl)ether	ND	380	ug/Kg	1	03/16/24	MR	SW8270E
Bis(2-ethylhexyl)phthalate	ND	380	ug/Kg	1	03/16/24	MR	SW8270E
Carbazole	ND	200	ug/Kg	1	03/16/24	MR	SW8270E
Chrysene	ND	260	ug/Kg	1	03/16/24	MR	SW8270E
Dibenz(a,h)anthracene	ND	260	ug/Kg	1	03/16/24	MR	SW8270E
Dibenzofuran	ND	200	ug/Kg	1	03/16/24	MR	SW8270E
Diethyl phthalate	ND	260	ug/Kg	1	03/16/24	MR	SW8270E
Dimethylphthalate	ND	260	ug/Kg	1	03/16/24	MR	SW8270E
Di-n-butylphthalate	ND	380	ug/Kg	1	03/16/24	MR	SW8270E
Di-n-octylphthalate	ND	260	ug/Kg	1	03/16/24	MR	SW8270E
Fluoranthene	ND	260	ug/Kg	1	03/16/24	MR	SW8270E
Fluorene	ND	260	ug/Kg	1	03/16/24	MR	SW8270E
Hexachlorobenzene	ND	260	ug/Kg	1	03/16/24	MR	SW8270E
Hexachlorobutadiene	ND	200	ug/Kg	1	03/16/24	MR	SW8270E
Hexachlorocyclopentadiene	ND	260	ug/Kg	1	03/16/24	MR	SW8270E
Hexachloroethane	ND	260	ug/Kg	1	03/16/24	MR	SW8270E
Indeno(1,2,3-cd)pyrene	ND	260	ug/Kg	1	03/16/24	MR	SW8270E
Isophorone	ND	260	ug/Kg	1	03/16/24	MR	SW8270E
Naphthalene	ND	260	ug/Kg	1	03/16/24	MR	SW8270E
Nitrobenzene	ND	200	ug/Kg	1	03/16/24	MR	SW8270E
N-Nitrosodimethylamine	ND	200	ug/Kg	1	03/16/24	MR	SW8270E
N-Nitrosodi-n-propylamine	ND	200	ug/Kg	1	03/16/24	MR	SW8270E
N-Nitrosodiphenylamine	ND	200	ug/Kg	1	03/16/24	MR	SW8270E
Pentachloronitrobenzene	ND	140	ug/Kg	1	03/16/24	MR	SW8270E
Pentachlorophenol	ND	380	ug/Kg	1	03/16/24	MR	SW8270E

Project ID: OLSON DRIVE
Client ID: STOCKPILE 7-2

Phoenix I.D.: CQ26128

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Phenanthrene	ND	260	ug/Kg	1	03/16/24	MR	SW8270E
Phenol	ND	260	ug/Kg	1	03/16/24	MR	SW8270E
Pyrene	ND	260	ug/Kg	1	03/16/24	MR	SW8270E
Pyridine	ND	200	ug/Kg	1	03/16/24	MR	SW8270E
QA/QC Surrogates							
% 2,4,6-Tribromophenol	57		%	1	03/16/24	MR	30 - 130 %
% 2-Fluorobiphenyl	47		%	1	03/16/24	MR	30 - 130 %
% 2-Fluorophenol	49		%	1	03/16/24	MR	30 - 130 %
% Nitrobenzene-d5	49		%	1	03/16/24	MR	30 - 130 %
% Phenol-d5	48		%	1	03/16/24	MR	30 - 130 %
% Terphenyl-d14	50		%	1	03/16/24	MR	30 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
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.

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
April 03, 2024
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

Analysis Report

April 03, 2024

FOR: Attn: Brian Sirowich
Tighe & Bond
213 Court St, Suite 1100
Middletown, CT 06457

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	PA	03/12/24	10:10
Location Code:	TIGHE-DAS	Received by:	LB	03/13/24	16:41
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	105093011				

Laboratory Data

SDG ID: GCQ26127
Phoenix ID: CQ26130

Project ID: OLSON DRIVE
Client ID: STOCKPILE 9

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.41	0.41	mg/Kg	1	03/14/24	TH	SW6010D
Arsenic	3.60	0.81	mg/Kg	1	03/14/24	TH	SW6010D
Barium	61.0	0.41	mg/Kg	1	03/14/24	TH	SW6010D
Beryllium	0.48	0.32	mg/Kg	1	03/14/24	TH	SW6010D
Cadmium	0.46	0.41	mg/Kg	1	03/14/24	TH	SW6010D
Chromium	14.4	0.41	mg/Kg	1	03/14/24	TH	SW6010D
Copper	36.3	0.8	mg/kg	1	03/14/24	TH	SW6010D
Mercury	0.10	0.03	mg/Kg	2	03/14/24	GW	SW7471B
Nickel	11.4	0.41	mg/Kg	1	03/14/24	TH	SW6010D
Lead	32.6	0.41	mg/Kg	1	03/14/24	TH	SW6010D
Antimony	< 4.1	4.1	mg/Kg	1	03/14/24	TH	SW6010D
Selenium	< 1.6	1.6	mg/Kg	1	03/14/24	TH	SW6010D
Thallium	< 3.7	3.7	mg/Kg	1	03/14/24	TH	SW6010D
Vanadium	27.0	0.41	mg/Kg	1	03/14/24	TH	SW6010D
Zinc	64.1	0.8	mg/Kg	1	03/14/24	TH	SW6010D
Percent Solid	80		%		03/13/24	CV	SW846-%Solid
Field Extraction	Completed				03/12/24		SW5035A
Mercury Digestion	Completed				03/14/24	HL/HL	SW7471B
Extraction of ETPH	Completed				03/14/24	H/AC1/AC	SW3546
Soil Extraction for Pesticide	Completed				03/15/24	H/U	SW3546
Soil Extraction for SVOA	Completed				03/14/24	H/HL/HL	SW3546
Extraction for PCB	Completed				03/13/24	R/RB/CV	SW3540C
SPLP Extraction for Organics	Completed				03/22/24	AL	SW1312
SPLP Pesticides Ext.	Completed				03/28/24	F/F	SW3510C
Total Metals Digest	Completed				03/13/24	P/AG/BF	SW3050B

Project ID: OLSON DRIVE
Client ID: STOCKPILE 9

Phoenix I.D.: CQ26130

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
TPH by GC (Extractable Products)							
Ext. Petroleum H.C. (C9-C36)	ND	310	mg/Kg	5	03/18/24	JRB	CTETPH
Identification	ND		mg/Kg	5	03/18/24	JRB	CTETPH
QA/QC Surrogates							
% COD (surr)	81		%	5	03/18/24	JRB	50 - 150 %
% Terphenyl (surr)	72		%	5	03/18/24	JRB	50 - 150 %
PCB (Soxhlet SW3540C)							
PCB-1016	ND	100	ug/Kg	10	03/14/24	PS	SW8082A
PCB-1221	ND	100	ug/Kg	10	03/14/24	PS	SW8082A
PCB-1232	ND	100	ug/Kg	10	03/14/24	PS	SW8082A
PCB-1242	ND	100	ug/Kg	10	03/14/24	PS	SW8082A
PCB-1248	ND	100	ug/Kg	10	03/14/24	PS	SW8082A
PCB-1254	ND	100	ug/Kg	10	03/14/24	PS	SW8082A
PCB-1260	ND	100	ug/Kg	10	03/14/24	PS	SW8082A
PCB-1262	ND	100	ug/Kg	10	03/14/24	PS	SW8082A
PCB-1268	ND	100	ug/Kg	10	03/14/24	PS	SW8082A
Total PCBs	ND	100	ug/Kg	10	03/14/24	PS	SW8082A
QA/QC Surrogates							
% DCBP	85		%	10	03/14/24	PS	30 - 150 %
% DCBP (Confirmation)	86		%	10	03/14/24	PS	30 - 150 %
% TCMX	78		%	10	03/14/24	PS	30 - 150 %
% TCMX (Confirmation)	80		%	10	03/14/24	PS	30 - 150 %
Pesticides							
4,4' -DDD	ND	1.6	ug/Kg	2	03/18/24	AW	SW8081B
4,4' -DDE	ND	3.0	ug/Kg	2	03/18/24	AW	SW8081B
4,4' -DDT	6.6	1.6	ug/Kg	2	03/18/24	AW	SW8081B
a-BHC	ND	1.6	ug/Kg	2	03/18/24	AW	SW8081B
Alachlor	ND	8.1	ug/Kg	2	03/18/24	AW	SW8081B
Aldrin	ND	1.6	ug/Kg	2	03/18/24	AW	SW8081B
b-BHC	ND	1.6	ug/Kg	2	03/18/24	AW	SW8081B
Chlordane	ND	41	ug/Kg	2	03/18/24	AW	SW8081B
d-BHC	ND	1.6	ug/Kg	2	03/18/24	AW	SW8081B
Dieldrin	ND	4.1	ug/Kg	2	03/18/24	AW	SW8081B
Endosulfan I	ND	8.1	ug/Kg	2	03/18/24	AW	SW8081B
Endosulfan II	ND	8.1	ug/Kg	2	03/18/24	AW	SW8081B
Endosulfan sulfate	ND	8.1	ug/Kg	2	03/18/24	AW	SW8081B
Endrin	ND	8.1	ug/Kg	2	03/18/24	AW	SW8081B
Endrin aldehyde	ND	8.1	ug/Kg	2	03/18/24	AW	SW8081B
Endrin ketone	ND	8.1	ug/Kg	2	03/18/24	AW	SW8081B
g-BHC	ND	1.6	ug/Kg	2	03/18/24	AW	SW8081B
Heptachlor	ND	8.1	ug/Kg	2	03/18/24	AW	SW8081B
Heptachlor epoxide	ND	8.1	ug/Kg	2	03/18/24	AW	SW8081B
Methoxychlor	ND	41	ug/Kg	2	03/18/24	AW	SW8081B
Toxaphene	ND	160	ug/Kg	2	03/18/24	AW	SW8081B
QA/QC Surrogates							
% DCBP	69		%	2	03/18/24	AW	30 - 150 %
% DCBP (Confirmation)	86		%	2	03/18/24	AW	30 - 150 %

Project ID: OLSON DRIVE
Client ID: STOCKPILE 9

Phoenix I.D.: CQ26130

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% TCMX	68		%	2	03/18/24	AW	30 - 150 %
% TCMX (Confirmation)	62		%	2	03/18/24	AW	30 - 150 %
SPLP Pesticides							
4,4' -DDT	ND	0.005	ug/L	1	03/29/24	AW	SW8081B
QA/QC Surrogates							
%DCBP (Surrogate Rec)	48		%	1	03/29/24	AW	30 - 150 %
%DCBP (Surrogate Rec) (Confirmation)	38		%	1	03/29/24	AW	30 - 150 %
%TCMX (Surrogate Rec)	56		%	1	03/29/24	AW	30 - 150 %
%TCMX (Surrogate Rec) (Confirmation)	65		%	1	03/29/24	AW	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.3	ug/Kg	1	03/14/24	JLI	SW8260D
1,1,1-Trichloroethane	ND	5.3	ug/Kg	1	03/14/24	JLI	SW8260D
1,1,2,2-Tetrachloroethane	ND	3.2	ug/Kg	1	03/14/24	JLI	SW8260D
1,1,2-Trichloroethane	ND	5.3	ug/Kg	1	03/14/24	JLI	SW8260D
1,1-Dichloroethane	ND	5.3	ug/Kg	1	03/14/24	JLI	SW8260D
1,1-Dichloroethene	ND	5.3	ug/Kg	1	03/14/24	JLI	SW8260D
1,1-Dichloropropene	ND	5.3	ug/Kg	1	03/14/24	JLI	SW8260D
1,2,3-Trichlorobenzene	ND	5.3	ug/Kg	1	03/14/24	JLI	SW8260D
1,2,3-Trichloropropane	ND	5.3	ug/Kg	1	03/14/24	JLI	SW8260D
1,2,4-Trichlorobenzene	ND	5.3	ug/Kg	1	03/14/24	JLI	SW8260D
1,2,4-Trimethylbenzene	ND	5.3	ug/Kg	1	03/14/24	JLI	SW8260D
1,2-Dibromo-3-chloropropane	ND	5.0	ug/Kg	1	03/14/24	JLI	SW8260D
1,2-Dibromoethane	ND	0.53	ug/Kg	1	03/14/24	JLI	SW8260D
1,2-Dichlorobenzene	ND	5.3	ug/Kg	1	03/14/24	JLI	SW8260D
1,2-Dichloroethane	ND	5.3	ug/Kg	1	03/14/24	JLI	SW8260D
1,2-Dichloropropane	ND	5.3	ug/Kg	1	03/14/24	JLI	SW8260D
1,3,5-Trimethylbenzene	ND	5.3	ug/Kg	1	03/14/24	JLI	SW8260D
1,3-Dichlorobenzene	ND	5.3	ug/Kg	1	03/14/24	JLI	SW8260D
1,3-Dichloropropane	ND	5.3	ug/Kg	1	03/14/24	JLI	SW8260D
1,4-Dichlorobenzene	ND	5.3	ug/Kg	1	03/14/24	JLI	SW8260D
2,2-Dichloropropane	ND	5.3	ug/Kg	1	03/14/24	JLI	SW8260D
2-Chlorotoluene	ND	5.3	ug/Kg	1	03/14/24	JLI	SW8260D
2-Hexanone	ND	27	ug/Kg	1	03/14/24	JLI	SW8260D
2-Isopropyltoluene	ND	5.3	ug/Kg	1	03/14/24	JLI	SW8260D
4-Chlorotoluene	ND	5.3	ug/Kg	1	03/14/24	JLI	SW8260D
4-Methyl-2-pentanone	ND	27	ug/Kg	1	03/14/24	JLI	SW8260D
Acetone	ND	14000	ug/Kg	50	03/15/24	JLI	SW8260D
Acrylonitrile	ND	5.3	ug/Kg	1	03/14/24	JLI	SW8260D
Benzene	ND	5.3	ug/Kg	1	03/14/24	JLI	SW8260D
Bromobenzene	ND	5.3	ug/Kg	1	03/14/24	JLI	SW8260D
Bromochloromethane	ND	5.3	ug/Kg	1	03/14/24	JLI	SW8260D
Bromodichloromethane	ND	5.3	ug/Kg	1	03/14/24	JLI	SW8260D
Bromoform	ND	5.3	ug/Kg	1	03/14/24	JLI	SW8260D
Bromomethane	ND	5.3	ug/Kg	1	03/14/24	JLI	SW8260D
Carbon Disulfide	ND	5.3	ug/Kg	1	03/14/24	JLI	SW8260D
Carbon tetrachloride	ND	5.3	ug/Kg	1	03/14/24	JLI	SW8260D
Chlorobenzene	ND	5.3	ug/Kg	1	03/14/24	JLI	SW8260D
Chloroethane	ND	5.3	ug/Kg	1	03/14/24	JLI	SW8260D

Project ID: OLSON DRIVE
Client ID: STOCKPILE 9

Phoenix I.D.: CQ26130

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Chloroform	ND	5.3	ug/Kg	1	03/14/24	JLI	SW8260D
Chloromethane	ND	5.3	ug/Kg	1	03/14/24	JLI	SW8260D
cis-1,2-Dichloroethene	ND	5.3	ug/Kg	1	03/14/24	JLI	SW8260D
cis-1,3-Dichloropropene	ND	5.3	ug/Kg	1	03/14/24	JLI	SW8260D
Dibromochloromethane	ND	3.2	ug/Kg	1	03/14/24	JLI	SW8260D
Dibromomethane	ND	5.3	ug/Kg	1	03/14/24	JLI	SW8260D
Dichlorodifluoromethane	ND	5.3	ug/Kg	1	03/14/24	JLI	SW8260D
Ethylbenzene	ND	5.3	ug/Kg	1	03/14/24	JLI	SW8260D
Hexachlorobutadiene	ND	5.3	ug/Kg	1	03/14/24	JLI	SW8260D
Isopropylbenzene	ND	5.3	ug/Kg	1	03/14/24	JLI	SW8260D
m&p-Xylene	ND	5.3	ug/Kg	1	03/14/24	JLI	SW8260D
Methyl Ethyl Ketone	42	32	ug/Kg	1	03/14/24	JLI	SW8260D
Methyl t-butyl ether (MTBE)	ND	11	ug/Kg	1	03/14/24	JLI	SW8260D
Methylene chloride	ND	11	ug/Kg	1	03/14/24	JLI	SW8260D
Naphthalene	ND	5.3	ug/Kg	1	03/14/24	JLI	SW8260D
n-Butylbenzene	ND	5.3	ug/Kg	1	03/14/24	JLI	SW8260D
n-Propylbenzene	ND	5.3	ug/Kg	1	03/14/24	JLI	SW8260D
o-Xylene	ND	5.3	ug/Kg	1	03/14/24	JLI	SW8260D
p-Isopropyltoluene	ND	5.3	ug/Kg	1	03/14/24	JLI	SW8260D
sec-Butylbenzene	ND	5.3	ug/Kg	1	03/14/24	JLI	SW8260D
Styrene	ND	5.3	ug/Kg	1	03/14/24	JLI	SW8260D
tert-Butylbenzene	ND	5.3	ug/Kg	1	03/14/24	JLI	SW8260D
Tetrachloroethene	ND	5.3	ug/Kg	1	03/14/24	JLI	SW8260D
Tetrahydrofuran (THF)	ND	11	ug/Kg	1	03/14/24	JLI	SW8260D
Toluene	ND	5.3	ug/Kg	1	03/14/24	JLI	SW8260D
Total Xylenes	ND	5.3	ug/Kg	1	03/14/24	JLI	SW8260D
trans-1,2-Dichloroethene	ND	5.3	ug/Kg	1	03/14/24	JLI	SW8260D
trans-1,3-Dichloropropene	ND	5.3	ug/Kg	1	03/14/24	JLI	SW8260D
trans-1,4-dichloro-2-butene	ND	11	ug/Kg	1	03/14/24	JLI	SW8260D
Trichloroethene	ND	5.3	ug/Kg	1	03/14/24	JLI	SW8260D
Trichlorofluoromethane	ND	5.3	ug/Kg	1	03/14/24	JLI	SW8260D
Trichlorotrifluoroethane	ND	11	ug/Kg	1	03/14/24	JLI	SW8260D
Vinyl chloride	ND	5.3	ug/Kg	1	03/14/24	JLI	SW8260D
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	99		%	1	03/14/24	JLI	70 - 130 %
% Bromofluorobenzene	96		%	1	03/14/24	JLI	70 - 130 %
% Dibromofluoromethane	99		%	1	03/14/24	JLI	70 - 130 %
% Toluene-d8	103		%	1	03/14/24	JLI	70 - 130 %
% 1,2-dichlorobenzene-d4 (50x)	101		%	50	03/15/24	JLI	70 - 130 %
% Bromofluorobenzene (50x)	97		%	50	03/15/24	JLI	70 - 130 %
% Dibromofluoromethane (50x)	96		%	50	03/15/24	JLI	70 - 130 %
% Toluene-d8 (50x)	101		%	50	03/15/24	JLI	70 - 130 %
Semivolatiles							
1,2,4,5-Tetrachlorobenzene	ND	100	ug/Kg	1	03/16/24	MR	SW8270E
1,2,4-Trichlorobenzene	ND	290	ug/Kg	1	03/16/24	MR	SW8270E
1,2-Dichlorobenzene	ND	290	ug/Kg	1	03/16/24	MR	SW8270E
1,2-Diphenylhydrazine	ND	200	ug/Kg	1	03/16/24	MR	SW8270E
1,3-Dichlorobenzene	ND	290	ug/Kg	1	03/16/24	MR	SW8270E
1,4-Dichlorobenzene	ND	290	ug/Kg	1	03/16/24	MR	SW8270E

Project ID: OLSON DRIVE
Client ID: STOCKPILE 9

Phoenix I.D.: CQ26130

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
2,2'-Oxybis(1-Chloropropane)	ND	290	ug/Kg	1	03/16/24	MR	SW8270E
2,4,5-Trichlorophenol	ND	290	ug/Kg	1	03/16/24	MR	SW8270E
2,4,6-Trichlorophenol	ND	200	ug/Kg	1	03/16/24	MR	SW8270E
2,4-Dichlorophenol	ND	290	ug/Kg	1	03/16/24	MR	SW8270E
2,4-Dimethylphenol	ND	290	ug/Kg	1	03/16/24	MR	SW8270E
2,4-Dinitrophenol	ND	300	ug/Kg	1	03/16/24	MR	SW8270E
2,4-Dinitrotoluene	ND	200	ug/Kg	1	03/16/24	MR	SW8270E
2,6-Dinitrotoluene	ND	200	ug/Kg	1	03/16/24	MR	SW8270E
2-Chloronaphthalene	ND	290	ug/Kg	1	03/16/24	MR	SW8270E
2-Chlorophenol	ND	290	ug/Kg	1	03/16/24	MR	SW8270E
2-Methylnaphthalene	ND	290	ug/Kg	1	03/16/24	MR	SW8270E
2-Methylphenol (o-cresol)	ND	290	ug/Kg	1	03/16/24	MR	SW8270E
2-Nitroaniline	ND	300	ug/Kg	1	03/16/24	MR	SW8270E
2-Nitrophenol	ND	290	ug/Kg	1	03/16/24	MR	SW8270E
3&4-Methylphenol (m&p-cresol)	ND	410	ug/Kg	1	03/16/24	MR	SW8270E
3,3'-Dichlorobenzidine	ND	200	ug/Kg	1	03/16/24	MR	SW8270E
3-Nitroaniline	ND	300	ug/Kg	1	03/16/24	MR	SW8270E
4,6-Dinitro-2-methylphenol	ND	300	ug/Kg	1	03/16/24	MR	SW8270E
4-Bromophenyl phenyl ether	ND	410	ug/Kg	1	03/16/24	MR	SW8270E
4-Chloro-3-methylphenol	ND	290	ug/Kg	1	03/16/24	MR	SW8270E
4-Chloroaniline	ND	200	ug/Kg	1	03/16/24	MR	SW8270E
4-Chlorophenyl phenyl ether	ND	290	ug/Kg	1	03/16/24	MR	SW8270E
4-Nitroaniline	ND	300	ug/Kg	1	03/16/24	MR	SW8270E
4-Nitrophenol	ND	290	ug/Kg	1	03/16/24	MR	SW8270E
Acenaphthene	ND	290	ug/Kg	1	03/16/24	MR	SW8270E
Acenaphthylene	ND	290	ug/Kg	1	03/16/24	MR	SW8270E
Acetophenone	ND	290	ug/Kg	1	03/16/24	MR	SW8270E
Aniline	ND	200	ug/Kg	1	03/16/24	MR	SW8270E
Anthracene	ND	290	ug/Kg	1	03/16/24	MR	SW8270E
Benz(a)anthracene	ND	290	ug/Kg	1	03/16/24	MR	SW8270E
Benzidine	ND	200	ug/Kg	1	03/16/24	MR	SW8270E
Benzo(a)pyrene	310	290	ug/Kg	1	03/16/24	MR	SW8270E
Benzo(b)fluoranthene	350	290	ug/Kg	1	03/16/24	MR	SW8270E
Benzo(ghi)perylene	ND	290	ug/Kg	1	03/16/24	MR	SW8270E
Benzo(k)fluoranthene	ND	290	ug/Kg	1	03/16/24	MR	SW8270E
Benzoic acid	ND	820	ug/Kg	1	03/16/24	MR	SW8270E
Benzyl butyl phthalate	ND	290	ug/Kg	1	03/16/24	MR	SW8270E
Bis(2-chloroethoxy)methane	ND	290	ug/Kg	1	03/16/24	MR	SW8270E
Bis(2-chloroethyl)ether	ND	410	ug/Kg	1	03/16/24	MR	SW8270E
Bis(2-ethylhexyl)phthalate	ND	410	ug/Kg	1	03/16/24	MR	SW8270E
Carbazole	ND	200	ug/Kg	1	03/16/24	MR	SW8270E
Chrysene	ND	290	ug/Kg	1	03/16/24	MR	SW8270E
Dibenz(a,h)anthracene	ND	290	ug/Kg	1	03/16/24	MR	SW8270E
Dibenzofuran	ND	200	ug/Kg	1	03/16/24	MR	SW8270E
Diethyl phthalate	ND	290	ug/Kg	1	03/16/24	MR	SW8270E
Dimethylphthalate	ND	290	ug/Kg	1	03/16/24	MR	SW8270E
Di-n-butylphthalate	ND	410	ug/Kg	1	03/16/24	MR	SW8270E
Di-n-octylphthalate	ND	290	ug/Kg	1	03/16/24	MR	SW8270E
Fluoranthene	350	290	ug/Kg	1	03/16/24	MR	SW8270E

Project ID: OLSON DRIVE
Client ID: STOCKPILE 9

Phoenix I.D.: CQ26130

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Fluorene	ND	290	ug/Kg	1	03/16/24	MR	SW8270E
Hexachlorobenzene	ND	290	ug/Kg	1	03/16/24	MR	SW8270E
Hexachlorobutadiene	ND	200	ug/Kg	1	03/16/24	MR	SW8270E
Hexachlorocyclopentadiene	ND	290	ug/Kg	1	03/16/24	MR	SW8270E
Hexachloroethane	ND	290	ug/Kg	1	03/16/24	MR	SW8270E
Indeno(1,2,3-cd)pyrene	ND	290	ug/Kg	1	03/16/24	MR	SW8270E
Isophorone	ND	290	ug/Kg	1	03/16/24	MR	SW8270E
Naphthalene	ND	290	ug/Kg	1	03/16/24	MR	SW8270E
Nitrobenzene	ND	200	ug/Kg	1	03/16/24	MR	SW8270E
N-Nitrosodimethylamine	ND	200	ug/Kg	1	03/16/24	MR	SW8270E
N-Nitrosodi-n-propylamine	ND	200	ug/Kg	1	03/16/24	MR	SW8270E
N-Nitrosodiphenylamine	ND	200	ug/Kg	1	03/16/24	MR	SW8270E
Pentachloronitrobenzene	ND	140	ug/Kg	1	03/16/24	MR	SW8270E
Pentachlorophenol	ND	410	ug/Kg	1	03/16/24	MR	SW8270E
Phenanthrene	ND	290	ug/Kg	1	03/16/24	MR	SW8270E
Phenol	ND	290	ug/Kg	1	03/16/24	MR	SW8270E
Pyrene	320	290	ug/Kg	1	03/16/24	MR	SW8270E
Pyridine	ND	200	ug/Kg	1	03/16/24	MR	SW8270E
QA/QC Surrogates							
% 2,4,6-Tribromophenol	53		%	1	03/16/24	MR	30 - 130 %
% 2-Fluorobiphenyl	44		%	1	03/16/24	MR	30 - 130 %
% 2-Fluorophenol	45		%	1	03/16/24	MR	30 - 130 %
% Nitrobenzene-d5	45		%	1	03/16/24	MR	30 - 130 %
% Phenol-d5	45		%	1	03/16/24	MR	30 - 130 %
% Terphenyl-d14	46		%	1	03/16/24	MR	30 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
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.

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
April 03, 2024
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

Analysis Report

April 03, 2024

FOR: Attn: Brian Sirowich
Tighe & Bond
213 Court St, Suite 1100
Middletown, CT 06457

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	PA	03/12/24	10:55
Location Code:	TIGHE-DAS	Received by:	LB	03/13/24	16:41
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	105093011				

Laboratory Data

SDG ID: GCQ26127
Phoenix ID: CQ26131

Project ID: OLSON DRIVE
Client ID: STOCKPILE 10-1

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.37	0.37	mg/Kg	1	03/14/24	TH	SW6010D
Arsenic	4.91	0.74	mg/Kg	1	03/14/24	TH	SW6010D
Barium	87.0	0.37	mg/Kg	1	03/14/24	TH	SW6010D
Beryllium	< 0.30	0.30	mg/Kg	1	03/14/24	TH	SW6010D
Cadmium	0.76	0.37	mg/Kg	1	03/14/24	TH	SW6010D
Chromium	17.2	0.37	mg/Kg	1	03/14/24	TH	SW6010D
Copper	168	0.7	mg/kg	1	03/14/24	TH	SW6010D
Mercury	0.22	0.03	mg/Kg	2	03/14/24	GW	SW7471B
Nickel	13.0	0.37	mg/Kg	1	03/14/24	TH	SW6010D
Lead	101	0.37	mg/Kg	1	03/14/24	TH	SW6010D
Antimony	< 3.7	3.7	mg/Kg	1	03/14/24	TH	SW6010D
Selenium	< 1.5	1.5	mg/Kg	1	03/14/24	TH	SW6010D
Thallium	< 3.3	3.3	mg/Kg	1	03/14/24	TH	SW6010D
Vanadium	18.0	0.37	mg/Kg	1	03/14/24	TH	SW6010D
Zinc	183	0.7	mg/Kg	1	03/14/24	TH	SW6010D
Percent Solid	89		%		03/13/24	CV	SW846-%Solid
Field Extraction	Completed				03/12/24		SW5035A
Mercury Digestion	Completed				03/14/24	HL/HL	SW7471B
Extraction of ETPH	Completed				03/14/24	H/AC1/AC	SW3546
Soil Extraction for Pesticide	Completed				03/15/24	H/U	SW3546
Soil Extraction for SVOA	Completed				03/14/24	H/HL/HL	SW3546
Extraction for PCB	Completed				03/13/24	R/RB/CV	SW3540C
Total Metals Digest	Completed				03/13/24	P/AG/BF	SW3050B
TPH by GC (Extractable Products)							
Ext. Petroleum H.C. (C9-C36)	ND	270	mg/Kg	5	03/18/24	JRB	CTETPH
Identification	ND		mg/Kg	5	03/18/24	JRB	CTETPH

Ver 3

Project ID: OLSON DRIVE
Client ID: STOCKPILE 10-1

Phoenix I.D.: CQ26131

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
QA/QC Surrogates							
% COD (surr)	88		%	5	03/18/24	JRB	50 - 150 %
% Terphenyl (surr)	81		%	5	03/18/24	JRB	50 - 150 %
PCB (Soxhlet SW3540C)							
PCB-1016	ND	100	ug/Kg	10	03/14/24	PS	SW8082A
PCB-1221	ND	100	ug/Kg	10	03/14/24	PS	SW8082A
PCB-1232	ND	100	ug/Kg	10	03/14/24	PS	SW8082A
PCB-1242	ND	100	ug/Kg	10	03/14/24	PS	SW8082A
PCB-1248	ND	100	ug/Kg	10	03/14/24	PS	SW8082A
PCB-1254	ND	100	ug/Kg	10	03/14/24	PS	SW8082A
PCB-1260	190	100	ug/Kg	10	03/14/24	PS	SW8082A
PCB-1262	ND	100	ug/Kg	10	03/14/24	PS	SW8082A
PCB-1268	ND	100	ug/Kg	10	03/14/24	PS	SW8082A
Total PCBs	190	100	ug/Kg	10	03/14/24	PS	SW8082A
QA/QC Surrogates							
% DCBP	82		%	10	03/14/24	PS	30 - 150 %
% DCBP (Confirmation)	83		%	10	03/14/24	PS	30 - 150 %
% TCMX	70		%	10	03/14/24	PS	30 - 150 %
% TCMX (Confirmation)	76		%	10	03/14/24	PS	30 - 150 %
Pesticides							
4,4' -DDD	ND	3.0	ug/Kg	2	03/18/24	PS	SW8081B
4,4' -DDE	ND	1.5	ug/Kg	2	03/18/24	PS	SW8081B
4,4' -DDT	ND	3.0	ug/Kg	2	03/18/24	PS	SW8081B
a-BHC	ND	1.5	ug/Kg	2	03/18/24	PS	SW8081B
Alachlor	ND	7.5	ug/Kg	2	03/18/24	PS	SW8081B
Aldrin	ND	1.5	ug/Kg	2	03/18/24	PS	SW8081B
b-BHC	ND	1.5	ug/Kg	2	03/18/24	PS	SW8081B
Chlordane	ND	37	ug/Kg	2	03/18/24	PS	SW8081B
d-BHC	ND	1.5	ug/Kg	2	03/18/24	PS	SW8081B
Dieldrin	ND	7.0	ug/Kg	2	03/18/24	PS	SW8081B
Endosulfan I	ND	7.5	ug/Kg	2	03/18/24	PS	SW8081B
Endosulfan II	ND	7.5	ug/Kg	2	03/18/24	PS	SW8081B
Endosulfan sulfate	ND	7.5	ug/Kg	2	03/18/24	PS	SW8081B
Endrin	ND	7.5	ug/Kg	2	03/18/24	PS	SW8081B
Endrin aldehyde	ND	7.5	ug/Kg	2	03/18/24	PS	SW8081B
Endrin ketone	ND	7.5	ug/Kg	2	03/18/24	PS	SW8081B
g-BHC	ND	1.5	ug/Kg	2	03/18/24	PS	SW8081B
Heptachlor	ND	7.5	ug/Kg	2	03/18/24	PS	SW8081B
Heptachlor epoxide	ND	7.5	ug/Kg	2	03/18/24	PS	SW8081B
Methoxychlor	ND	37	ug/Kg	2	03/18/24	PS	SW8081B
Toxaphene	ND	150	ug/Kg	2	03/18/24	PS	SW8081B
QA/QC Surrogates							
% DCBP	71		%	2	03/18/24	PS	30 - 150 %
% DCBP (Confirmation)	66		%	2	03/18/24	PS	30 - 150 %
% TCMX	74		%	2	03/18/24	PS	30 - 150 %
% TCMX (Confirmation)	55		%	2	03/18/24	PS	30 - 150 %

Project ID: OLSON DRIVE
Client ID: STOCKPILE 10-1

Phoenix I.D.: CQ26131

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Volatiles							
1,1,1,2-Tetrachloroethane	ND	6.9	ug/Kg	1	03/14/24	JLI	SW8260D
1,1,1-Trichloroethane	ND	6.9	ug/Kg	1	03/14/24	JLI	SW8260D
1,1,2,2-Tetrachloroethane	ND	4.1	ug/Kg	1	03/14/24	JLI	SW8260D
1,1,2-Trichloroethane	ND	6.9	ug/Kg	1	03/14/24	JLI	SW8260D
1,1-Dichloroethane	ND	6.9	ug/Kg	1	03/14/24	JLI	SW8260D
1,1-Dichloroethene	ND	6.9	ug/Kg	1	03/14/24	JLI	SW8260D
1,1-Dichloropropene	ND	6.9	ug/Kg	1	03/14/24	JLI	SW8260D
1,2,3-Trichlorobenzene	ND	6.9	ug/Kg	1	03/14/24	JLI	SW8260D
1,2,3-Trichloropropane	ND	6.9	ug/Kg	1	03/14/24	JLI	SW8260D
1,2,4-Trichlorobenzene	ND	6.9	ug/Kg	1	03/14/24	JLI	SW8260D
1,2,4-Trimethylbenzene	ND	6.9	ug/Kg	1	03/14/24	JLI	SW8260D
1,2-Dibromo-3-chloropropane	ND	5.0	ug/Kg	1	03/14/24	JLI	SW8260D
1,2-Dibromoethane	ND	0.69	ug/Kg	1	03/14/24	JLI	SW8260D
1,2-Dichlorobenzene	ND	6.9	ug/Kg	1	03/14/24	JLI	SW8260D
1,2-Dichloroethane	ND	6.9	ug/Kg	1	03/14/24	JLI	SW8260D
1,2-Dichloropropane	ND	6.9	ug/Kg	1	03/14/24	JLI	SW8260D
1,3,5-Trimethylbenzene	ND	6.9	ug/Kg	1	03/14/24	JLI	SW8260D
1,3-Dichlorobenzene	ND	6.9	ug/Kg	1	03/14/24	JLI	SW8260D
1,3-Dichloropropane	ND	6.9	ug/Kg	1	03/14/24	JLI	SW8260D
1,4-Dichlorobenzene	ND	6.9	ug/Kg	1	03/14/24	JLI	SW8260D
2,2-Dichloropropane	ND	6.9	ug/Kg	1	03/14/24	JLI	SW8260D
2-Chlorotoluene	ND	6.9	ug/Kg	1	03/14/24	JLI	SW8260D
2-Hexanone	ND	35	ug/Kg	1	03/14/24	JLI	SW8260D
2-Isopropyltoluene	ND	6.9	ug/Kg	1	03/14/24	JLI	SW8260D
4-Chlorotoluene	ND	6.9	ug/Kg	1	03/14/24	JLI	SW8260D
4-Methyl-2-pentanone	ND	35	ug/Kg	1	03/14/24	JLI	SW8260D
Acetone	ND	350	ug/Kg	1	03/14/24	JLI	SW8260D
Acrylonitrile	ND	6.9	ug/Kg	1	03/14/24	JLI	SW8260D
Benzene	ND	6.9	ug/Kg	1	03/14/24	JLI	SW8260D
Bromobenzene	ND	6.9	ug/Kg	1	03/14/24	JLI	SW8260D
Bromochloromethane	ND	6.9	ug/Kg	1	03/14/24	JLI	SW8260D
Bromodichloromethane	ND	6.9	ug/Kg	1	03/14/24	JLI	SW8260D
Bromoform	ND	6.9	ug/Kg	1	03/14/24	JLI	SW8260D
Bromomethane	ND	6.9	ug/Kg	1	03/14/24	JLI	SW8260D
Carbon Disulfide	ND	6.9	ug/Kg	1	03/14/24	JLI	SW8260D
Carbon tetrachloride	ND	6.9	ug/Kg	1	03/14/24	JLI	SW8260D
Chlorobenzene	ND	6.9	ug/Kg	1	03/14/24	JLI	SW8260D
Chloroethane	ND	6.9	ug/Kg	1	03/14/24	JLI	SW8260D
Chloroform	ND	6.9	ug/Kg	1	03/14/24	JLI	SW8260D
Chloromethane	ND	6.9	ug/Kg	1	03/14/24	JLI	SW8260D
cis-1,2-Dichloroethene	ND	6.9	ug/Kg	1	03/14/24	JLI	SW8260D
cis-1,3-Dichloropropene	ND	6.9	ug/Kg	1	03/14/24	JLI	SW8260D
Dibromochloromethane	ND	4.1	ug/Kg	1	03/14/24	JLI	SW8260D
Dibromomethane	ND	6.9	ug/Kg	1	03/14/24	JLI	SW8260D
Dichlorodifluoromethane	ND	6.9	ug/Kg	1	03/14/24	JLI	SW8260D
Ethylbenzene	ND	6.9	ug/Kg	1	03/14/24	JLI	SW8260D
Hexachlorobutadiene	ND	6.9	ug/Kg	1	03/14/24	JLI	SW8260D
Isopropylbenzene	ND	6.9	ug/Kg	1	03/14/24	JLI	SW8260D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
m&p-Xylene	ND	6.9	ug/Kg	1	03/14/24	JLI	SW8260D
Methyl Ethyl Ketone	ND	41	ug/Kg	1	03/14/24	JLI	SW8260D
Methyl t-butyl ether (MTBE)	ND	14	ug/Kg	1	03/14/24	JLI	SW8260D
Methylene chloride	ND	14	ug/Kg	1	03/14/24	JLI	SW8260D
Naphthalene	ND	6.9	ug/Kg	1	03/14/24	JLI	SW8260D
n-Butylbenzene	ND	6.9	ug/Kg	1	03/14/24	JLI	SW8260D
n-Propylbenzene	ND	6.9	ug/Kg	1	03/14/24	JLI	SW8260D
o-Xylene	ND	6.9	ug/Kg	1	03/14/24	JLI	SW8260D
p-Isopropyltoluene	ND	6.9	ug/Kg	1	03/14/24	JLI	SW8260D
sec-Butylbenzene	ND	6.9	ug/Kg	1	03/14/24	JLI	SW8260D
Styrene	ND	6.9	ug/Kg	1	03/14/24	JLI	SW8260D
tert-Butylbenzene	ND	6.9	ug/Kg	1	03/14/24	JLI	SW8260D
Tetrachloroethene	ND	6.9	ug/Kg	1	03/14/24	JLI	SW8260D
Tetrahydrofuran (THF)	ND	14	ug/Kg	1	03/14/24	JLI	SW8260D
Toluene	ND	6.9	ug/Kg	1	03/14/24	JLI	SW8260D
Total Xylenes	ND	6.9	ug/Kg	1	03/14/24	JLI	SW8260D
trans-1,2-Dichloroethene	ND	6.9	ug/Kg	1	03/14/24	JLI	SW8260D
trans-1,3-Dichloropropene	ND	6.9	ug/Kg	1	03/14/24	JLI	SW8260D
trans-1,4-dichloro-2-butene	ND	14	ug/Kg	1	03/14/24	JLI	SW8260D
Trichloroethene	ND	6.9	ug/Kg	1	03/14/24	JLI	SW8260D
Trichlorofluoromethane	ND	6.9	ug/Kg	1	03/14/24	JLI	SW8260D
Trichlorotrifluoroethane	ND	14	ug/Kg	1	03/14/24	JLI	SW8260D
Vinyl chloride	ND	6.9	ug/Kg	1	03/14/24	JLI	SW8260D
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	104		%	1	03/14/24	JLI	70 - 130 %
% Bromofluorobenzene	98		%	1	03/14/24	JLI	70 - 130 %
% Dibromofluoromethane	102		%	1	03/14/24	JLI	70 - 130 %
% Toluene-d8	103		%	1	03/14/24	JLI	70 - 130 %
Semivolatiles							
1,2,4,5-Tetrachlorobenzene	ND	100	ug/Kg	1	03/15/24	MR	SW8270E
1,2,4-Trichlorobenzene	ND	260	ug/Kg	1	03/15/24	MR	SW8270E
1,2-Dichlorobenzene	ND	260	ug/Kg	1	03/15/24	MR	SW8270E
1,2-Diphenylhydrazine	ND	200	ug/Kg	1	03/15/24	MR	SW8270E
1,3-Dichlorobenzene	ND	260	ug/Kg	1	03/15/24	MR	SW8270E
1,4-Dichlorobenzene	ND	260	ug/Kg	1	03/15/24	MR	SW8270E
2,2'-Oxybis(1-Chloropropane)	ND	260	ug/Kg	1	03/15/24	MR	SW8270E
2,4,5-Trichlorophenol	ND	260	ug/Kg	1	03/15/24	MR	SW8270E
2,4,6-Trichlorophenol	ND	200	ug/Kg	1	03/15/24	MR	SW8270E
2,4-Dichlorophenol	ND	260	ug/Kg	1	03/15/24	MR	SW8270E
2,4-Dimethylphenol	ND	260	ug/Kg	1	03/15/24	MR	SW8270E
2,4-Dinitrophenol	ND	300	ug/Kg	1	03/15/24	MR	SW8270E
2,4-Dinitrotoluene	ND	200	ug/Kg	1	03/15/24	MR	SW8270E
2,6-Dinitrotoluene	ND	200	ug/Kg	1	03/15/24	MR	SW8270E
2-Chloronaphthalene	ND	260	ug/Kg	1	03/15/24	MR	SW8270E
2-Chlorophenol	ND	260	ug/Kg	1	03/15/24	MR	SW8270E
2-Methylnaphthalene	ND	260	ug/Kg	1	03/15/24	MR	SW8270E
2-Methylphenol (o-cresol)	ND	260	ug/Kg	1	03/15/24	MR	SW8270E
2-Nitroaniline	ND	300	ug/Kg	1	03/15/24	MR	SW8270E
2-Nitrophenol	ND	260	ug/Kg	1	03/15/24	MR	SW8270E

Project ID: OLSON DRIVE
Client ID: STOCKPILE 10-1

Phoenix I.D.: CQ26131

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
3&4-Methylphenol (m&p-cresol)	ND	370	ug/Kg	1	03/15/24	MR	SW8270E
3,3'-Dichlorobenzidine	ND	200	ug/Kg	1	03/15/24	MR	SW8270E
3-Nitroaniline	ND	300	ug/Kg	1	03/15/24	MR	SW8270E
4,6-Dinitro-2-methylphenol	ND	300	ug/Kg	1	03/15/24	MR	SW8270E
4-Bromophenyl phenyl ether	ND	370	ug/Kg	1	03/15/24	MR	SW8270E
4-Chloro-3-methylphenol	ND	260	ug/Kg	1	03/15/24	MR	SW8270E
4-Chloroaniline	ND	200	ug/Kg	1	03/15/24	MR	SW8270E
4-Chlorophenyl phenyl ether	ND	260	ug/Kg	1	03/15/24	MR	SW8270E
4-Nitroaniline	ND	300	ug/Kg	1	03/15/24	MR	SW8270E
4-Nitrophenol	ND	260	ug/Kg	1	03/15/24	MR	SW8270E
Acenaphthene	ND	260	ug/Kg	1	03/15/24	MR	SW8270E
Acenaphthylene	ND	260	ug/Kg	1	03/15/24	MR	SW8270E
Acetophenone	ND	260	ug/Kg	1	03/15/24	MR	SW8270E
Aniline	ND	200	ug/Kg	1	03/15/24	MR	SW8270E
Anthracene	ND	260	ug/Kg	1	03/15/24	MR	SW8270E
Benz(a)anthracene	390	260	ug/Kg	1	03/15/24	MR	SW8270E
Benzidine	ND	200	ug/Kg	1	03/15/24	MR	SW8270E
Benzo(a)pyrene	380	260	ug/Kg	1	03/15/24	MR	SW8270E
Benzo(b)fluoranthene	520	260	ug/Kg	1	03/15/24	MR	SW8270E
Benzo(ghi)perylene	ND	260	ug/Kg	1	03/15/24	MR	SW8270E
Benzo(k)fluoranthene	ND	260	ug/Kg	1	03/15/24	MR	SW8270E
Benzoic acid	ND	730	ug/Kg	1	03/15/24	MR	SW8270E
Benzyl butyl phthalate	ND	260	ug/Kg	1	03/15/24	MR	SW8270E
Bis(2-chloroethoxy)methane	ND	260	ug/Kg	1	03/15/24	MR	SW8270E
Bis(2-chloroethyl)ether	ND	370	ug/Kg	1	03/15/24	MR	SW8270E
Bis(2-ethylhexyl)phthalate	ND	370	ug/Kg	1	03/15/24	MR	SW8270E
Carbazole	ND	200	ug/Kg	1	03/15/24	MR	SW8270E
Chrysene	380	260	ug/Kg	1	03/15/24	MR	SW8270E
Dibenz(a,h)anthracene	ND	260	ug/Kg	1	03/15/24	MR	SW8270E
Dibenzofuran	ND	200	ug/Kg	1	03/15/24	MR	SW8270E
Diethyl phthalate	ND	260	ug/Kg	1	03/15/24	MR	SW8270E
Dimethylphthalate	ND	260	ug/Kg	1	03/15/24	MR	SW8270E
Di-n-butylphthalate	ND	370	ug/Kg	1	03/15/24	MR	SW8270E
Di-n-octylphthalate	ND	260	ug/Kg	1	03/15/24	MR	SW8270E
Fluoranthene	720	260	ug/Kg	1	03/15/24	MR	SW8270E
Fluorene	ND	260	ug/Kg	1	03/15/24	MR	SW8270E
Hexachlorobenzene	ND	260	ug/Kg	1	03/15/24	MR	SW8270E
Hexachlorobutadiene	ND	200	ug/Kg	1	03/15/24	MR	SW8270E
Hexachlorocyclopentadiene	ND	260	ug/Kg	1	03/15/24	MR	SW8270E
Hexachloroethane	ND	260	ug/Kg	1	03/15/24	MR	SW8270E
Indeno(1,2,3-cd)pyrene	ND	260	ug/Kg	1	03/15/24	MR	SW8270E
Isophorone	ND	260	ug/Kg	1	03/15/24	MR	SW8270E
Naphthalene	ND	260	ug/Kg	1	03/15/24	MR	SW8270E
Nitrobenzene	ND	200	ug/Kg	1	03/15/24	MR	SW8270E
N-Nitrosodimethylamine	ND	200	ug/Kg	1	03/15/24	MR	SW8270E
N-Nitrosodi-n-propylamine	ND	200	ug/Kg	1	03/15/24	MR	SW8270E
N-Nitrosodiphenylamine	ND	200	ug/Kg	1	03/15/24	MR	SW8270E
Pentachloronitrobenzene	ND	140	ug/Kg	1	03/15/24	MR	SW8270E
Pentachlorophenol	ND	370	ug/Kg	1	03/15/24	MR	SW8270E

Project ID: OLSON DRIVE
Client ID: STOCKPILE 10-1

Phoenix I.D.: CQ26131

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Phenanthrene	290	260	ug/Kg	1	03/15/24	MR	SW8270E
Phenol	ND	260	ug/Kg	1	03/15/24	MR	SW8270E
Pyrene	650	260	ug/Kg	1	03/15/24	MR	SW8270E
Pyridine	ND	200	ug/Kg	1	03/15/24	MR	SW8270E
QA/QC Surrogates							
% 2,4,6-Tribromophenol	49		%	1	03/15/24	MR	30 - 130 %
% 2-Fluorobiphenyl	43		%	1	03/15/24	MR	30 - 130 %
% 2-Fluorophenol	43		%	1	03/15/24	MR	30 - 130 %
% Nitrobenzene-d5	43		%	1	03/15/24	MR	30 - 130 %
% Phenol-d5	43		%	1	03/15/24	MR	30 - 130 %
% Terphenyl-d14	43		%	1	03/15/24	MR	30 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
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.

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
April 03, 2024
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

Analysis Report

April 03, 2024

FOR: Attn: Brian Sirowich
Tighe & Bond
213 Court St, Suite 1100
Middletown, CT 06457

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	PA	03/12/24	11:20
Location Code:	TIGHE-DAS	Received by:	LB	03/13/24	16:41
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	105093011				

Laboratory Data

SDG ID: GCQ26127
Phoenix ID: CQ26132

Project ID: OLSON DRIVE
Client ID: STOCKPILE 10-2

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.35	0.35	mg/Kg	1	03/14/24	TH	SW6010D
Arsenic	4.20	0.70	mg/Kg	1	03/14/24	TH	SW6010D
Barium	52.7	0.35	mg/Kg	1	03/14/24	TH	SW6010D
Beryllium	< 0.28	0.28	mg/Kg	1	03/14/24	TH	SW6010D
Cadmium	0.54	0.35	mg/Kg	1	03/14/24	TH	SW6010D
Chromium	15.1	0.35	mg/Kg	1	03/14/24	TH	SW6010D
Copper	88.2	0.7	mg/kg	1	03/14/24	TH	SW6010D
Mercury	0.12	0.03	mg/Kg	2	03/14/24	GW	SW7471B
Nickel	10.3	0.35	mg/Kg	1	03/14/24	TH	SW6010D
Lead	54.4	0.35	mg/Kg	1	03/14/24	TH	SW6010D
Antimony	< 3.5	3.5	mg/Kg	1	03/14/24	TH	SW6010D
Selenium	< 1.4	1.4	mg/Kg	1	03/14/24	TH	SW6010D
Thallium	< 3.2	3.2	mg/Kg	1	03/14/24	TH	SW6010D
Vanadium	19.5	0.35	mg/Kg	1	03/14/24	TH	SW6010D
Zinc	108	0.7	mg/Kg	1	03/14/24	TH	SW6010D
Percent Solid	88		%		03/13/24	CV	SW846-%Solid
Field Extraction	Completed				03/12/24		SW5035A
Mercury Digestion	Completed				03/14/24	HL/HL	SW7471B
Extraction of ETPH	Completed				03/14/24	H/AC1/AC	SW3546
Soil Extraction for Pesticide	Completed				03/15/24	H/U	SW3546
Soil Extraction for SVOA	Completed				03/14/24	H/HL/HL	SW3546
Extraction for PCB	Completed				03/13/24	R/RB/CV	SW3540C
SPLP Extraction for Organics	Completed				03/26/24	AL	SW1312
SPLP Semivolatiles (SIM) Ext.	Completed				03/27/24	CV/CV	SW3510C/SW3520C
Total Metals Digest	Completed				03/13/24	P/AG/BF	SW3050B

Project ID: OLSON DRIVE
Client ID: STOCKPILE 10-2

Phoenix I.D.: CQ26132

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
TPH by GC (Extractable Products)							
Ext. Petroleum H.C. (C9-C36)	ND	280	mg/Kg	5	03/18/24	JRB	CTETPH
Identification	ND		mg/Kg	5	03/18/24	JRB	CTETPH
QA/QC Surrogates							
% COD (surr)	50		%	5	03/18/24	JRB	50 - 150 %
% Terphenyl (surr)	94		%	5	03/18/24	JRB	50 - 150 %
PCB (Soxhlet SW3540C)							
PCB-1016	ND	100	ug/Kg	10	03/14/24	PS	SW8082A
PCB-1221	ND	100	ug/Kg	10	03/14/24	PS	SW8082A
PCB-1232	ND	100	ug/Kg	10	03/14/24	PS	SW8082A
PCB-1242	ND	100	ug/Kg	10	03/14/24	PS	SW8082A
PCB-1248	ND	100	ug/Kg	10	03/14/24	PS	SW8082A
PCB-1254	ND	100	ug/Kg	10	03/14/24	PS	SW8082A
PCB-1260	110	100	ug/Kg	10	03/14/24	PS	SW8082A
PCB-1262	ND	100	ug/Kg	10	03/14/24	PS	SW8082A
PCB-1268	ND	100	ug/Kg	10	03/14/24	PS	SW8082A
Total PCBs	110	100	ug/Kg	10	03/14/24	PS	SW8082A
QA/QC Surrogates							
% DCBP	68		%	10	03/14/24	PS	30 - 150 %
% DCBP (Confirmation)	69		%	10	03/14/24	PS	30 - 150 %
% TCMX	64		%	10	03/14/24	PS	30 - 150 %
% TCMX (Confirmation)	65		%	10	03/14/24	PS	30 - 150 %
Pesticides							
4,4' -DDD	ND	1.5	ug/Kg	2	03/18/24	AW	SW8081B
4,4' -DDE	10	1.5	ug/Kg	2	03/18/24	AW	SW8081B
4,4' -DDT	14	7.5	ug/Kg	2	03/18/24	AW	SW8081B
a-BHC	ND	1.5	ug/Kg	2	03/18/24	AW	SW8081B
Alachlor	ND	7.5	ug/Kg	2	03/18/24	AW	SW8081B
Aldrin	ND	1.5	ug/Kg	2	03/18/24	AW	SW8081B
b-BHC	ND	1.5	ug/Kg	2	03/18/24	AW	SW8081B
Chlordane	ND	38	ug/Kg	2	03/18/24	AW	SW8081B
d-BHC	ND	1.5	ug/Kg	2	03/18/24	AW	SW8081B
Dieldrin	ND	3.8	ug/Kg	2	03/18/24	AW	SW8081B
Endosulfan I	ND	7.5	ug/Kg	2	03/18/24	AW	SW8081B
Endosulfan II	ND	7.5	ug/Kg	2	03/18/24	AW	SW8081B
Endosulfan sulfate	ND	7.5	ug/Kg	2	03/18/24	AW	SW8081B
Endrin	ND	7.5	ug/Kg	2	03/18/24	AW	SW8081B
Endrin aldehyde	ND	7.5	ug/Kg	2	03/18/24	AW	SW8081B
Endrin ketone	ND	7.5	ug/Kg	2	03/18/24	AW	SW8081B
g-BHC	ND	1.5	ug/Kg	2	03/18/24	AW	SW8081B
Heptachlor	ND	7.5	ug/Kg	2	03/18/24	AW	SW8081B
Heptachlor epoxide	ND	7.5	ug/Kg	2	03/18/24	AW	SW8081B
Methoxychlor	ND	38	ug/Kg	2	03/18/24	AW	SW8081B
Toxaphene	ND	150	ug/Kg	2	03/18/24	AW	SW8081B
QA/QC Surrogates							
% DCBP	86		%	2	03/18/24	AW	30 - 150 %
% DCBP (Confirmation)	75		%	2	03/18/24	AW	30 - 150 %

Project ID: OLSON DRIVE
Client ID: STOCKPILE 10-2

Phoenix I.D.: CQ26132

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% TCMX	75		%	2	03/18/24	AW	30 - 150 %
% TCMX (Confirmation)	75		%	2	03/18/24	AW	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	4.8	ug/Kg	1	03/14/24	JLI	SW8260D
1,1,1-Trichloroethane	ND	4.8	ug/Kg	1	03/14/24	JLI	SW8260D
1,1,2,2-Tetrachloroethane	ND	2.9	ug/Kg	1	03/14/24	JLI	SW8260D
1,1,2-Trichloroethane	ND	4.8	ug/Kg	1	03/14/24	JLI	SW8260D
1,1-Dichloroethane	ND	4.8	ug/Kg	1	03/14/24	JLI	SW8260D
1,1-Dichloroethene	ND	4.8	ug/Kg	1	03/14/24	JLI	SW8260D
1,1-Dichloropropene	ND	4.8	ug/Kg	1	03/14/24	JLI	SW8260D
1,2,3-Trichlorobenzene	ND	4.8	ug/Kg	1	03/14/24	JLI	SW8260D
1,2,3-Trichloropropane	ND	4.8	ug/Kg	1	03/14/24	JLI	SW8260D
1,2,4-Trichlorobenzene	ND	4.8	ug/Kg	1	03/14/24	JLI	SW8260D
1,2,4-Trimethylbenzene	ND	4.8	ug/Kg	1	03/14/24	JLI	SW8260D
1,2-Dibromo-3-chloropropane	ND	4.8	ug/Kg	1	03/14/24	JLI	SW8260D
1,2-Dibromoethane	ND	0.48	ug/Kg	1	03/14/24	JLI	SW8260D
1,2-Dichlorobenzene	ND	4.8	ug/Kg	1	03/14/24	JLI	SW8260D
1,2-Dichloroethane	ND	4.8	ug/Kg	1	03/14/24	JLI	SW8260D
1,2-Dichloropropane	ND	4.8	ug/Kg	1	03/14/24	JLI	SW8260D
1,3,5-Trimethylbenzene	ND	4.8	ug/Kg	1	03/14/24	JLI	SW8260D
1,3-Dichlorobenzene	ND	4.8	ug/Kg	1	03/14/24	JLI	SW8260D
1,3-Dichloropropane	ND	4.8	ug/Kg	1	03/14/24	JLI	SW8260D
1,4-Dichlorobenzene	ND	4.8	ug/Kg	1	03/14/24	JLI	SW8260D
2,2-Dichloropropane	ND	4.8	ug/Kg	1	03/14/24	JLI	SW8260D
2-Chlorotoluene	ND	4.8	ug/Kg	1	03/14/24	JLI	SW8260D
2-Hexanone	ND	24	ug/Kg	1	03/14/24	JLI	SW8260D
2-Isopropyltoluene	ND	4.8	ug/Kg	1	03/14/24	JLI	SW8260D
4-Chlorotoluene	ND	4.8	ug/Kg	1	03/14/24	JLI	SW8260D
4-Methyl-2-pentanone	ND	24	ug/Kg	1	03/14/24	JLI	SW8260D
Acetone	ND	240	ug/Kg	1	03/14/24	JLI	SW8260D
Acrylonitrile	ND	4.8	ug/Kg	1	03/14/24	JLI	SW8260D
Benzene	ND	4.8	ug/Kg	1	03/14/24	JLI	SW8260D
Bromobenzene	ND	4.8	ug/Kg	1	03/14/24	JLI	SW8260D
Bromochloromethane	ND	4.8	ug/Kg	1	03/14/24	JLI	SW8260D
Bromodichloromethane	ND	4.8	ug/Kg	1	03/14/24	JLI	SW8260D
Bromoform	ND	4.8	ug/Kg	1	03/14/24	JLI	SW8260D
Bromomethane	ND	4.8	ug/Kg	1	03/14/24	JLI	SW8260D
Carbon Disulfide	ND	4.8	ug/Kg	1	03/14/24	JLI	SW8260D
Carbon tetrachloride	ND	4.8	ug/Kg	1	03/14/24	JLI	SW8260D
Chlorobenzene	ND	4.8	ug/Kg	1	03/14/24	JLI	SW8260D
Chloroethane	ND	4.8	ug/Kg	1	03/14/24	JLI	SW8260D
Chloroform	ND	4.8	ug/Kg	1	03/14/24	JLI	SW8260D
Chloromethane	ND	4.8	ug/Kg	1	03/14/24	JLI	SW8260D
cis-1,2-Dichloroethene	ND	4.8	ug/Kg	1	03/14/24	JLI	SW8260D
cis-1,3-Dichloropropene	ND	4.8	ug/Kg	1	03/14/24	JLI	SW8260D
Dibromochloromethane	ND	2.9	ug/Kg	1	03/14/24	JLI	SW8260D
Dibromomethane	ND	4.8	ug/Kg	1	03/14/24	JLI	SW8260D
Dichlorodifluoromethane	ND	4.8	ug/Kg	1	03/14/24	JLI	SW8260D
Ethylbenzene	ND	4.8	ug/Kg	1	03/14/24	JLI	SW8260D

Project ID: OLSON DRIVE
Client ID: STOCKPILE 10-2

Phoenix I.D.: CQ26132

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Hexachlorobutadiene	ND	4.8	ug/Kg	1	03/14/24	JLI	SW8260D
Isopropylbenzene	ND	4.8	ug/Kg	1	03/14/24	JLI	SW8260D
m&p-Xylene	ND	4.8	ug/Kg	1	03/14/24	JLI	SW8260D
Methyl Ethyl Ketone	ND	29	ug/Kg	1	03/14/24	JLI	SW8260D
Methyl t-butyl ether (MTBE)	ND	9.7	ug/Kg	1	03/14/24	JLI	SW8260D
Methylene chloride	ND	9.7	ug/Kg	1	03/14/24	JLI	SW8260D
Naphthalene	ND	4.8	ug/Kg	1	03/14/24	JLI	SW8260D
n-Butylbenzene	ND	4.8	ug/Kg	1	03/14/24	JLI	SW8260D
n-Propylbenzene	ND	4.8	ug/Kg	1	03/14/24	JLI	SW8260D
o-Xylene	ND	4.8	ug/Kg	1	03/14/24	JLI	SW8260D
p-Isopropyltoluene	ND	4.8	ug/Kg	1	03/14/24	JLI	SW8260D
sec-Butylbenzene	ND	4.8	ug/Kg	1	03/14/24	JLI	SW8260D
Styrene	ND	4.8	ug/Kg	1	03/14/24	JLI	SW8260D
tert-Butylbenzene	ND	4.8	ug/Kg	1	03/14/24	JLI	SW8260D
Tetrachloroethene	ND	4.8	ug/Kg	1	03/14/24	JLI	SW8260D
Tetrahydrofuran (THF)	ND	9.7	ug/Kg	1	03/14/24	JLI	SW8260D
Toluene	ND	4.8	ug/Kg	1	03/14/24	JLI	SW8260D
Total Xylenes	ND	4.8	ug/Kg	1	03/14/24	JLI	SW8260D
trans-1,2-Dichloroethene	ND	4.8	ug/Kg	1	03/14/24	JLI	SW8260D
trans-1,3-Dichloropropene	ND	4.8	ug/Kg	1	03/14/24	JLI	SW8260D
trans-1,4-dichloro-2-butene	ND	9.7	ug/Kg	1	03/14/24	JLI	SW8260D
Trichloroethene	ND	4.8	ug/Kg	1	03/14/24	JLI	SW8260D
Trichlorofluoromethane	ND	4.8	ug/Kg	1	03/14/24	JLI	SW8260D
Trichlorotrifluoroethane	ND	9.7	ug/Kg	1	03/14/24	JLI	SW8260D
Vinyl chloride	ND	4.8	ug/Kg	1	03/14/24	JLI	SW8260D
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	99		%	1	03/14/24	JLI	70 - 130 %
% Bromofluorobenzene	93		%	1	03/14/24	JLI	70 - 130 %
% Dibromofluoromethane	117		%	1	03/14/24	JLI	70 - 130 %
% Toluene-d8	94		%	1	03/14/24	JLI	70 - 130 %
Semivolatiles							
1,2,4,5-Tetrachlorobenzene	ND	100	ug/Kg	1	03/15/24	MR	SW8270E
1,2,4-Trichlorobenzene	ND	260	ug/Kg	1	03/15/24	MR	SW8270E
1,2-Dichlorobenzene	ND	260	ug/Kg	1	03/15/24	MR	SW8270E
1,2-Diphenylhydrazine	ND	200	ug/Kg	1	03/15/24	MR	SW8270E
1,3-Dichlorobenzene	ND	260	ug/Kg	1	03/15/24	MR	SW8270E
1,4-Dichlorobenzene	ND	260	ug/Kg	1	03/15/24	MR	SW8270E
2,2'-Oxybis(1-Chloropropane)	ND	260	ug/Kg	1	03/15/24	MR	SW8270E
2,4,5-Trichlorophenol	ND	260	ug/Kg	1	03/15/24	MR	SW8270E
2,4,6-Trichlorophenol	ND	200	ug/Kg	1	03/15/24	MR	SW8270E
2,4-Dichlorophenol	ND	260	ug/Kg	1	03/15/24	MR	SW8270E
2,4-Dimethylphenol	ND	260	ug/Kg	1	03/15/24	MR	SW8270E
2,4-Dinitrophenol	ND	300	ug/Kg	1	03/15/24	MR	SW8270E
2,4-Dinitrotoluene	ND	200	ug/Kg	1	03/15/24	MR	SW8270E
2,6-Dinitrotoluene	ND	200	ug/Kg	1	03/15/24	MR	SW8270E
2-Chloronaphthalene	ND	260	ug/Kg	1	03/15/24	MR	SW8270E
2-Chlorophenol	ND	260	ug/Kg	1	03/15/24	MR	SW8270E
2-Methylnaphthalene	ND	260	ug/Kg	1	03/15/24	MR	SW8270E
2-Methylphenol (o-cresol)	ND	260	ug/Kg	1	03/15/24	MR	SW8270E

Project ID: OLSON DRIVE
Client ID: STOCKPILE 10-2

Phoenix I.D.: CQ26132

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
2-Nitroaniline	ND	300	ug/Kg	1	03/15/24	MR	SW8270E
2-Nitrophenol	ND	260	ug/Kg	1	03/15/24	MR	SW8270E
3&4-Methylphenol (m&p-cresol)	ND	370	ug/Kg	1	03/15/24	MR	SW8270E
3,3'-Dichlorobenzidine	ND	200	ug/Kg	1	03/15/24	MR	SW8270E
3-Nitroaniline	ND	300	ug/Kg	1	03/15/24	MR	SW8270E
4,6-Dinitro-2-methylphenol	ND	300	ug/Kg	1	03/15/24	MR	SW8270E
4-Bromophenyl phenyl ether	ND	370	ug/Kg	1	03/15/24	MR	SW8270E
4-Chloro-3-methylphenol	ND	260	ug/Kg	1	03/15/24	MR	SW8270E
4-Chloroaniline	ND	200	ug/Kg	1	03/15/24	MR	SW8270E
4-Chlorophenyl phenyl ether	ND	260	ug/Kg	1	03/15/24	MR	SW8270E
4-Nitroaniline	ND	300	ug/Kg	1	03/15/24	MR	SW8270E
4-Nitrophenol	ND	260	ug/Kg	1	03/15/24	MR	SW8270E
Acenaphthene	ND	260	ug/Kg	1	03/15/24	MR	SW8270E
Acenaphthylene	ND	260	ug/Kg	1	03/15/24	MR	SW8270E
Acetophenone	ND	260	ug/Kg	1	03/15/24	MR	SW8270E
Aniline	ND	200	ug/Kg	1	03/15/24	MR	SW8270E
Anthracene	480	260	ug/Kg	1	03/15/24	MR	SW8270E
Benz(a)anthracene	1700	260	ug/Kg	1	03/15/24	MR	SW8270E
Benzidine	ND	200	ug/Kg	1	03/15/24	MR	SW8270E
Benzo(a)pyrene	1500	260	ug/Kg	1	03/15/24	MR	SW8270E
Benzo(b)fluoranthene	1900	260	ug/Kg	1	03/15/24	MR	SW8270E
Benzo(ghi)perylene	660	260	ug/Kg	1	03/15/24	MR	SW8270E
Benzo(k)fluoranthene	650	260	ug/Kg	1	03/15/24	MR	SW8270E
Benzoic acid	ND	750	ug/Kg	1	03/15/24	MR	SW8270E
Benzyl butyl phthalate	ND	260	ug/Kg	1	03/15/24	MR	SW8270E
Bis(2-chloroethoxy)methane	ND	260	ug/Kg	1	03/15/24	MR	SW8270E
Bis(2-chloroethyl)ether	ND	370	ug/Kg	1	03/15/24	MR	SW8270E
Bis(2-ethylhexyl)phthalate	ND	370	ug/Kg	1	03/15/24	MR	SW8270E
Carbazole	ND	200	ug/Kg	1	03/15/24	MR	SW8270E
Chrysene	1500	260	ug/Kg	1	03/15/24	MR	SW8270E
Dibenz(a,h)anthracene	ND	260	ug/Kg	1	03/15/24	MR	SW8270E
Dibenzofuran	ND	200	ug/Kg	1	03/15/24	MR	SW8270E
Diethyl phthalate	ND	260	ug/Kg	1	03/15/24	MR	SW8270E
Dimethylphthalate	ND	260	ug/Kg	1	03/15/24	MR	SW8270E
Di-n-butylphthalate	ND	370	ug/Kg	1	03/15/24	MR	SW8270E
Di-n-octylphthalate	ND	260	ug/Kg	1	03/15/24	MR	SW8270E
Fluoranthene	3300	260	ug/Kg	1	03/15/24	MR	SW8270E
Fluorene	ND	260	ug/Kg	1	03/15/24	MR	SW8270E
Hexachlorobenzene	ND	260	ug/Kg	1	03/15/24	MR	SW8270E
Hexachlorobutadiene	ND	200	ug/Kg	1	03/15/24	MR	SW8270E
Hexachlorocyclopentadiene	ND	260	ug/Kg	1	03/15/24	MR	SW8270E
Hexachloroethane	ND	260	ug/Kg	1	03/15/24	MR	SW8270E
Indeno(1,2,3-cd)pyrene	720	260	ug/Kg	1	03/15/24	MR	SW8270E
Isophorone	ND	260	ug/Kg	1	03/15/24	MR	SW8270E
Naphthalene	ND	260	ug/Kg	1	03/15/24	MR	SW8270E
Nitrobenzene	ND	200	ug/Kg	1	03/15/24	MR	SW8270E
N-Nitrosodimethylamine	ND	200	ug/Kg	1	03/15/24	MR	SW8270E
N-Nitrosodi-n-propylamine	ND	200	ug/Kg	1	03/15/24	MR	SW8270E
N-Nitrosodiphenylamine	ND	200	ug/Kg	1	03/15/24	MR	SW8270E

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Pentachloronitrobenzene	ND	140	ug/Kg	1	03/15/24	MR	SW8270E
Pentachlorophenol	ND	370	ug/Kg	1	03/15/24	MR	SW8270E
Phenanthrene	1600	260	ug/Kg	1	03/15/24	MR	SW8270E
Phenol	ND	260	ug/Kg	1	03/15/24	MR	SW8270E
Pyrene	2800	260	ug/Kg	1	03/15/24	MR	SW8270E
Pyridine	ND	200	ug/Kg	1	03/15/24	MR	SW8270E
QA/QC Surrogates							
% 2,4,6-Tribromophenol	47		%	1	03/15/24	MR	30 - 130 %
% 2-Fluorobiphenyl	45		%	1	03/15/24	MR	30 - 130 %
% 2-Fluorophenol	44		%	1	03/15/24	MR	30 - 130 %
% Nitrobenzene-d5	44		%	1	03/15/24	MR	30 - 130 %
% Phenol-d5	44		%	1	03/15/24	MR	30 - 130 %
% Terphenyl-d14	46		%	1	03/15/24	MR	30 - 130 %

SPLP Semivolatiles by SIM

2-Methylnaphthalene	ND	0.50	ug/L	1	03/27/24	MR	SW8270E (SIM)
Acenaphthene	ND	0.50	ug/L	1	03/27/24	MR	SW8270E (SIM)
Acenaphthylene	ND	0.30	ug/L	1	03/27/24	MR	SW8270E (SIM)
Anthracene	ND	0.50	ug/L	1	03/27/24	MR	SW8270E (SIM)
Benz(a)anthracene	ND	0.05	ug/L	1	03/27/24	MR	SW8270E (SIM)
Benzo(a)pyrene	ND	0.20	ug/L	1	03/27/24	MR	SW8270E (SIM)
Benzo(b)fluoranthene	ND	0.07	ug/L	1	03/27/24	MR	SW8270E (SIM)
Benzo(ghi)perylene	ND	0.48	ug/L	1	03/27/24	MR	SW8270E (SIM)
Benzo(k)fluoranthene	ND	0.30	ug/L	1	03/27/24	MR	SW8270E (SIM)
Chrysene	ND	0.50	ug/L	1	03/27/24	MR	SW8270E (SIM)
Dibenz(a,h)anthracene	ND	0.10	ug/L	1	03/27/24	MR	SW8270E (SIM)
Fluoranthene	ND	0.50	ug/L	1	03/27/24	MR	SW8270E (SIM)
Fluorene	ND	0.50	ug/L	1	03/27/24	MR	SW8270E (SIM)
Indeno(1,2,3-cd)pyrene	ND	0.10	ug/L	1	03/27/24	MR	SW8270E (SIM)
Naphthalene	ND	0.50	ug/L	1	03/27/24	MR	SW8270E (SIM)
Phenanthrene	0.94	0.06	ug/L	1	03/27/24	MR	SW8270E (SIM)
Pyrene	ND	0.50	ug/L	1	03/27/24	MR	SW8270E (SIM)
QA/QC Surrogates							
% 2-Fluorobiphenyl	73		%	1	03/27/24	MR	30 - 130 %
% Nitrobenzene-d5	81		%	1	03/27/24	MR	30 - 130 %
% Terphenyl-d14	87		%	1	03/27/24	MR	30 - 130 %

Project ID: OLSON DRIVE
Client ID: STOCKPILE 10-2

Phoenix I.D.: CQ26132

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
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.

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
April 03, 2024
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

Analysis Report

April 03, 2024

FOR: Attn: Brian Sirowich
Tighe & Bond
213 Court St, Suite 1100
Middletown, CT 06457

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	PA	03/12/24	11:45
Location Code:	TIGHE-DAS	Received by:	LB	03/13/24	16:41
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	105093011				

Laboratory Data

SDG ID: GCQ26127
Phoenix ID: CQ26133

Project ID: OLSON DRIVE
Client ID: STOCKPILE 10-3

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.34	0.34	mg/Kg	1	03/14/24	TH	SW6010D
Arsenic	4.68	0.68	mg/Kg	1	03/14/24	TH	SW6010D
Barium	63.9	0.34	mg/Kg	1	03/14/24	TH	SW6010D
Beryllium	0.30	0.27	mg/Kg	1	03/14/24	TH	SW6010D
Cadmium	0.76	0.34	mg/Kg	1	03/14/24	TH	SW6010D
Chromium	18.5	0.34	mg/Kg	1	03/14/24	TH	SW6010D
Copper	136	0.7	mg/kg	1	03/14/24	TH	SW6010D
Mercury	0.18	0.03	mg/Kg	2	03/14/24	GW	SW7471B
Nickel	13.3	0.34	mg/Kg	1	03/14/24	TH	SW6010D
Lead	80.0	0.34	mg/Kg	1	03/14/24	TH	SW6010D
Antimony	< 3.4	3.4	mg/Kg	1	03/14/24	TH	SW6010D
Selenium	< 1.4	1.4	mg/Kg	1	03/14/24	TH	SW6010D
SPLP Chromium	< 0.010	0.010	mg/L	1	03/27/24	TH	SW6010D
SPLP Mercury	< 0.0005	0.0005	mg/L	1	03/27/24	ZT	SW7470A
SPLP Zinc	< 0.010	0.010	mg/L	1	03/27/24	TH	SW6010D
Thallium	< 3.0	3.0	mg/Kg	1	03/14/24	TH	SW6010D
SPLP Metals Digestion	Completed				03/27/24	AL/HL	SW3010A
Vanadium	21.2	0.34	mg/Kg	1	03/14/24	TH	SW6010D
Zinc	144	0.7	mg/Kg	1	03/14/24	TH	SW6010D
Percent Solid	89		%		03/13/24	CV	SW846-%Solid
Field Extraction	Completed				03/12/24		SW5035A
Mercury Digestion	Completed				03/14/24	HL/HL	SW7471B
Extraction of ETPH	Completed				03/14/24	H/AC1/AC	SW3546
Soil Extraction for Herbicide	Completed				03/26/24	P/L/D	SW3546
Soil Extraction for Pesticide	Completed				03/19/24	HL/H/U	SW3546
Soil Extraction for SVOA	Completed				03/14/24	H/HL/HL	SW3546
Extraction for PCB	Completed				03/13/24	R/RB/CV	SW3540C

Ver 3

Project ID: OLSON DRIVE
Client ID: STOCKPILE 10-3

Phoenix I.D.: CQ26133

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
SPLP Digestion Mercury	Completed				03/27/24	AL/AL	SW1312/SW7470A
SPLP Herbicides Extraction	Completed				03/27/24	CV/MQ/D	SW3510C
SPLP Extraction for Metals	Completed				03/26/24	AL	SW1312
SPLP Extraction for Organics	Completed				03/26/24	AL	SW1312
SPLP Semivolatiles (SIM) Ext.	Completed				03/27/24	CV/CV	SW3510C/SW3520C
Total Metals Digest	Completed				03/13/24	P/AG/BF	SW3050B
Chlorinated Herbicides							
2,4,5-T	ND	140	ug/Kg	10	03/27/24	JRB	SW8151A
2,4,5-TP (Silvex)	ND	140	ug/Kg	10	03/27/24	JRB	SW8151A
2,4-D	ND	280	ug/Kg	10	03/27/24	JRB	SW8151A
2,4-DB	ND	2800	ug/Kg	10	03/27/24	JRB	SW8151A
Dalapon	ND	140	ug/Kg	10	03/27/24	JRB	SW8151A
Dicamba	ND	140	ug/Kg	10	03/27/24	JRB	SW8151A
Dichloroprop	ND	280	ug/Kg	10	03/27/24	JRB	SW8151A
Dinoseb	ND	280	ug/Kg	10	03/27/24	JRB	SW8151A
QA/QC Surrogates							
% DCAA	76		%	10	03/27/24	JRB	30 - 150 %
% DCAA (Confirmation)	65		%	10	03/27/24	JRB	30 - 150 %
TPH by GC (Extractable Products)							
Ext. Petroleum H.C. (C9-C36)	ND	280	mg/Kg	5	03/18/24	JRB	CTETPH
Identification	ND		mg/Kg	5	03/18/24	JRB	CTETPH
QA/QC Surrogates							
% COD (surr)	Interference		%	5	03/18/24	JRB	50 - 150 %
% Terphenyl (surr)	96		%	5	03/18/24	JRB	50 - 150 %
PCB (Soxhlet SW3540C)							
PCB-1016	ND	100	ug/Kg	10	03/14/24	PS	SW8082A
PCB-1221	ND	100	ug/Kg	10	03/14/24	PS	SW8082A
PCB-1232	ND	100	ug/Kg	10	03/14/24	PS	SW8082A
PCB-1242	ND	100	ug/Kg	10	03/14/24	PS	SW8082A
PCB-1248	ND	100	ug/Kg	10	03/14/24	PS	SW8082A
PCB-1254	ND	100	ug/Kg	10	03/14/24	PS	SW8082A
PCB-1260	180	100	ug/Kg	10	03/14/24	PS	SW8082A
PCB-1262	ND	100	ug/Kg	10	03/14/24	PS	SW8082A
PCB-1268	ND	100	ug/Kg	10	03/14/24	PS	SW8082A
Total PCBs	180	100	ug/Kg	10	03/14/24	PS	SW8082A
QA/QC Surrogates							
% DCBP	67		%	10	03/14/24	PS	30 - 150 %
% DCBP (Confirmation)	55		%	10	03/14/24	PS	30 - 150 %
% TCMX	60		%	10	03/14/24	PS	30 - 150 %
% TCMX (Confirmation)	62		%	10	03/14/24	PS	30 - 150 %
Pesticides							
4,4' -DDD	ND	3.0	ug/Kg	2	03/20/24	PS	SW8081B
4,4' -DDE	ND	1.5	ug/Kg	2	03/20/24	PS	SW8081B
4,4' -DDT	ND	1.5	ug/Kg	2	03/20/24	PS	SW8081B
a-BHC	ND	1.5	ug/Kg	2	03/20/24	PS	SW8081B
Alachlor	ND	7.3	ug/Kg	2	03/20/24	PS	SW8081B

Project ID: OLSON DRIVE
Client ID: STOCKPILE 10-3

Phoenix I.D.: CQ26133

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Aldrin	ND	1.5	ug/Kg	2	03/20/24	PS	SW8081B
b-BHC	ND	1.5	ug/Kg	2	03/20/24	PS	SW8081B
Chlordane	ND	36	ug/Kg	2	03/20/24	PS	SW8081B
d-BHC	ND	1.5	ug/Kg	2	03/20/24	PS	SW8081B
Dieldrin	ND	3.6	ug/Kg	2	03/20/24	PS	SW8081B
Endosulfan I	ND	7.3	ug/Kg	2	03/20/24	PS	SW8081B
Endosulfan II	ND	7.3	ug/Kg	2	03/20/24	PS	SW8081B
Endosulfan sulfate	ND	7.3	ug/Kg	2	03/20/24	PS	SW8081B
Endrin	ND	7.3	ug/Kg	2	03/20/24	PS	SW8081B
Endrin aldehyde	ND	7.3	ug/Kg	2	03/20/24	PS	SW8081B
Endrin ketone	ND	7.3	ug/Kg	2	03/20/24	PS	SW8081B
g-BHC	ND	4.0	ug/Kg	2	03/20/24	PS	SW8081B
Heptachlor	ND	7.3	ug/Kg	2	03/20/24	PS	SW8081B
Heptachlor epoxide	ND	7.3	ug/Kg	2	03/20/24	PS	SW8081B
Methoxychlor	ND	36	ug/Kg	2	03/20/24	PS	SW8081B
Toxaphene	ND	150	ug/Kg	2	03/20/24	PS	SW8081B
QA/QC Surrogates							
% DCBP	78		%	2	03/20/24	PS	30 - 150 %
% DCBP (Confirmation)	101		%	2	03/20/24	PS	30 - 150 %
% TCMX	63		%	2	03/20/24	PS	30 - 150 %
% TCMX (Confirmation)	65		%	2	03/20/24	PS	30 - 150 %
SPLP Herbicides							
2,4,5-TP (Silvex)	ND	0.30	ug/L	1	03/28/24	JRB	SW8151A
2,4-D	ND	0.60	ug/L	1	03/28/24	JRB	SW8151A
QA/QC Surrogates							
% DCAA (Surrogate Rec)	56		%	1	03/28/24	JRB	30 - 150 %
% DCAA (Surrogate Rec) (Confirmation)	101		%	1	03/28/24	JRB	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.6	ug/Kg	1	03/14/24	JLI	SW8260D
1,1,1-Trichloroethane	ND	5.6	ug/Kg	1	03/14/24	JLI	SW8260D
1,1,2,2-Tetrachloroethane	ND	3.3	ug/Kg	1	03/14/24	JLI	SW8260D
1,1,2-Trichloroethane	ND	5.6	ug/Kg	1	03/14/24	JLI	SW8260D
1,1-Dichloroethane	ND	5.6	ug/Kg	1	03/14/24	JLI	SW8260D
1,1-Dichloroethene	ND	5.6	ug/Kg	1	03/14/24	JLI	SW8260D
1,1-Dichloropropene	ND	5.6	ug/Kg	1	03/14/24	JLI	SW8260D
1,2,3-Trichlorobenzene	ND	5.6	ug/Kg	1	03/14/24	JLI	SW8260D
1,2,3-Trichloropropane	ND	5.6	ug/Kg	1	03/14/24	JLI	SW8260D
1,2,4-Trichlorobenzene	ND	5.6	ug/Kg	1	03/14/24	JLI	SW8260D
1,2,4-Trimethylbenzene	ND	5.6	ug/Kg	1	03/14/24	JLI	SW8260D
1,2-Dibromo-3-chloropropane	ND	5.0	ug/Kg	1	03/14/24	JLI	SW8260D
1,2-Dibromoethane	ND	0.56	ug/Kg	1	03/14/24	JLI	SW8260D
1,2-Dichlorobenzene	ND	5.6	ug/Kg	1	03/14/24	JLI	SW8260D
1,2-Dichloroethane	ND	5.6	ug/Kg	1	03/14/24	JLI	SW8260D
1,2-Dichloropropane	ND	5.6	ug/Kg	1	03/14/24	JLI	SW8260D
1,3,5-Trimethylbenzene	ND	5.6	ug/Kg	1	03/14/24	JLI	SW8260D
1,3-Dichlorobenzene	ND	5.6	ug/Kg	1	03/14/24	JLI	SW8260D
1,3-Dichloropropane	ND	5.6	ug/Kg	1	03/14/24	JLI	SW8260D
1,4-Dichlorobenzene	ND	5.6	ug/Kg	1	03/14/24	JLI	SW8260D

Project ID: OLSON DRIVE
Client ID: STOCKPILE 10-3

Phoenix I.D.: CQ26133

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
2,2-Dichloropropane	ND	5.6	ug/Kg	1	03/14/24	JLI	SW8260D
2-Chlorotoluene	ND	5.6	ug/Kg	1	03/14/24	JLI	SW8260D
2-Hexanone	ND	28	ug/Kg	1	03/14/24	JLI	SW8260D
2-Isopropyltoluene	ND	5.6	ug/Kg	1	03/14/24	JLI	SW8260D
4-Chlorotoluene	ND	5.6	ug/Kg	1	03/14/24	JLI	SW8260D
4-Methyl-2-pentanone	ND	28	ug/Kg	1	03/14/24	JLI	SW8260D
Acetone	ND	280	ug/Kg	1	03/14/24	JLI	SW8260D
Acrylonitrile	ND	5.6	ug/Kg	1	03/14/24	JLI	SW8260D
Benzene	ND	5.6	ug/Kg	1	03/14/24	JLI	SW8260D
Bromobenzene	ND	5.6	ug/Kg	1	03/14/24	JLI	SW8260D
Bromochloromethane	ND	5.6	ug/Kg	1	03/14/24	JLI	SW8260D
Bromodichloromethane	ND	5.6	ug/Kg	1	03/14/24	JLI	SW8260D
Bromoform	ND	5.6	ug/Kg	1	03/14/24	JLI	SW8260D
Bromomethane	ND	5.6	ug/Kg	1	03/14/24	JLI	SW8260D
Carbon Disulfide	ND	5.6	ug/Kg	1	03/14/24	JLI	SW8260D
Carbon tetrachloride	ND	5.6	ug/Kg	1	03/14/24	JLI	SW8260D
Chlorobenzene	ND	5.6	ug/Kg	1	03/14/24	JLI	SW8260D
Chloroethane	ND	5.6	ug/Kg	1	03/14/24	JLI	SW8260D
Chloroform	ND	5.6	ug/Kg	1	03/14/24	JLI	SW8260D
Chloromethane	ND	5.6	ug/Kg	1	03/14/24	JLI	SW8260D
cis-1,2-Dichloroethene	ND	5.6	ug/Kg	1	03/14/24	JLI	SW8260D
cis-1,3-Dichloropropene	ND	5.6	ug/Kg	1	03/14/24	JLI	SW8260D
Dibromochloromethane	ND	3.3	ug/Kg	1	03/14/24	JLI	SW8260D
Dibromomethane	ND	5.6	ug/Kg	1	03/14/24	JLI	SW8260D
Dichlorodifluoromethane	ND	5.6	ug/Kg	1	03/14/24	JLI	SW8260D
Ethylbenzene	ND	5.6	ug/Kg	1	03/14/24	JLI	SW8260D
Hexachlorobutadiene	ND	5.6	ug/Kg	1	03/14/24	JLI	SW8260D
Isopropylbenzene	ND	5.6	ug/Kg	1	03/14/24	JLI	SW8260D
m&p-Xylene	ND	5.6	ug/Kg	1	03/14/24	JLI	SW8260D
Methyl Ethyl Ketone	ND	33	ug/Kg	1	03/14/24	JLI	SW8260D
Methyl t-butyl ether (MTBE)	ND	11	ug/Kg	1	03/14/24	JLI	SW8260D
Methylene chloride	ND	11	ug/Kg	1	03/14/24	JLI	SW8260D
Naphthalene	ND	5.6	ug/Kg	1	03/14/24	JLI	SW8260D
n-Butylbenzene	ND	5.6	ug/Kg	1	03/14/24	JLI	SW8260D
n-Propylbenzene	ND	5.6	ug/Kg	1	03/14/24	JLI	SW8260D
o-Xylene	ND	5.6	ug/Kg	1	03/14/24	JLI	SW8260D
p-Isopropyltoluene	ND	5.6	ug/Kg	1	03/14/24	JLI	SW8260D
sec-Butylbenzene	ND	5.6	ug/Kg	1	03/14/24	JLI	SW8260D
Styrene	ND	5.6	ug/Kg	1	03/14/24	JLI	SW8260D
tert-Butylbenzene	ND	5.6	ug/Kg	1	03/14/24	JLI	SW8260D
Tetrachloroethene	ND	5.6	ug/Kg	1	03/14/24	JLI	SW8260D
Tetrahydrofuran (THF)	ND	11	ug/Kg	1	03/14/24	JLI	SW8260D
Toluene	ND	5.6	ug/Kg	1	03/14/24	JLI	SW8260D
Total Xylenes	ND	5.6	ug/Kg	1	03/14/24	JLI	SW8260D
trans-1,2-Dichloroethene	ND	5.6	ug/Kg	1	03/14/24	JLI	SW8260D
trans-1,3-Dichloropropene	ND	5.6	ug/Kg	1	03/14/24	JLI	SW8260D
trans-1,4-dichloro-2-butene	ND	11	ug/Kg	1	03/14/24	JLI	SW8260D
Trichloroethene	ND	5.6	ug/Kg	1	03/14/24	JLI	SW8260D
Trichlorofluoromethane	ND	5.6	ug/Kg	1	03/14/24	JLI	SW8260D

Project ID: OLSON DRIVE
Client ID: STOCKPILE 10-3

Phoenix I.D.: CQ26133

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Trichlorotrifluoroethane	ND	11	ug/Kg	1	03/14/24	JLI	SW8260D
Vinyl chloride	ND	5.6	ug/Kg	1	03/14/24	JLI	SW8260D
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	99		%	1	03/14/24	JLI	70 - 130 %
% Bromofluorobenzene	98		%	1	03/14/24	JLI	70 - 130 %
% Dibromofluoromethane	117		%	1	03/14/24	JLI	70 - 130 %
% Toluene-d8	93		%	1	03/14/24	JLI	70 - 130 %
Semivolatiles							
1,2,4,5-Tetrachlorobenzene	ND	100	ug/Kg	1	03/15/24	MR	SW8270E
1,2,4-Trichlorobenzene	ND	260	ug/Kg	1	03/15/24	MR	SW8270E
1,2-Dichlorobenzene	ND	260	ug/Kg	1	03/15/24	MR	SW8270E
1,2-Diphenylhydrazine	ND	200	ug/Kg	1	03/15/24	MR	SW8270E
1,3-Dichlorobenzene	ND	260	ug/Kg	1	03/15/24	MR	SW8270E
1,4-Dichlorobenzene	ND	260	ug/Kg	1	03/15/24	MR	SW8270E
2,2'-Oxybis(1-Chloropropane)	ND	260	ug/Kg	1	03/15/24	MR	SW8270E
2,4,5-Trichlorophenol	ND	260	ug/Kg	1	03/15/24	MR	SW8270E
2,4,6-Trichlorophenol	ND	200	ug/Kg	1	03/15/24	MR	SW8270E
2,4-Dichlorophenol	ND	260	ug/Kg	1	03/15/24	MR	SW8270E
2,4-Dimethylphenol	ND	260	ug/Kg	1	03/15/24	MR	SW8270E
2,4-Dinitrophenol	ND	300	ug/Kg	1	03/15/24	MR	SW8270E
2,4-Dinitrotoluene	ND	200	ug/Kg	1	03/15/24	MR	SW8270E
2,6-Dinitrotoluene	ND	200	ug/Kg	1	03/15/24	MR	SW8270E
2-Chloronaphthalene	ND	260	ug/Kg	1	03/15/24	MR	SW8270E
2-Chlorophenol	ND	260	ug/Kg	1	03/15/24	MR	SW8270E
2-Methylnaphthalene	ND	260	ug/Kg	1	03/15/24	MR	SW8270E
2-Methylphenol (o-cresol)	ND	260	ug/Kg	1	03/15/24	MR	SW8270E
2-Nitroaniline	ND	300	ug/Kg	1	03/15/24	MR	SW8270E
2-Nitrophenol	ND	260	ug/Kg	1	03/15/24	MR	SW8270E
3&4-Methylphenol (m&p-cresol)	ND	370	ug/Kg	1	03/15/24	MR	SW8270E
3,3'-Dichlorobenzidine	ND	200	ug/Kg	1	03/15/24	MR	SW8270E
3-Nitroaniline	ND	300	ug/Kg	1	03/15/24	MR	SW8270E
4,6-Dinitro-2-methylphenol	ND	300	ug/Kg	1	03/15/24	MR	SW8270E
4-Bromophenyl phenyl ether	ND	370	ug/Kg	1	03/15/24	MR	SW8270E
4-Chloro-3-methylphenol	ND	260	ug/Kg	1	03/15/24	MR	SW8270E
4-Chloroaniline	ND	200	ug/Kg	1	03/15/24	MR	SW8270E
4-Chlorophenyl phenyl ether	ND	260	ug/Kg	1	03/15/24	MR	SW8270E
4-Nitroaniline	ND	300	ug/Kg	1	03/15/24	MR	SW8270E
4-Nitrophenol	ND	260	ug/Kg	1	03/15/24	MR	SW8270E
Acenaphthene	ND	260	ug/Kg	1	03/15/24	MR	SW8270E
Acenaphthylene	ND	260	ug/Kg	1	03/15/24	MR	SW8270E
Acetophenone	ND	260	ug/Kg	1	03/15/24	MR	SW8270E
Aniline	ND	200	ug/Kg	1	03/15/24	MR	SW8270E
Anthracene	330	260	ug/Kg	1	03/15/24	MR	SW8270E
Benz(a)anthracene	1100	260	ug/Kg	1	03/15/24	MR	SW8270E
Benzidine	ND	200	ug/Kg	1	03/15/24	MR	SW8270E
Benzo(a)pyrene	980	260	ug/Kg	1	03/15/24	MR	SW8270E
Benzo(b)fluoranthene	1200	260	ug/Kg	1	03/15/24	MR	SW8270E
Benzo(ghi)perylene	520	260	ug/Kg	1	03/15/24	MR	SW8270E
Benzo(k)fluoranthene	460	260	ug/Kg	1	03/15/24	MR	SW8270E

Project ID: OLSON DRIVE
Client ID: STOCKPILE 10-3

Phoenix I.D.: CQ26133

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Benzoic acid	ND	730	ug/Kg	1	03/15/24	MR	SW8270E
Benzyl butyl phthalate	ND	260	ug/Kg	1	03/15/24	MR	SW8270E
Bis(2-chloroethoxy)methane	ND	260	ug/Kg	1	03/15/24	MR	SW8270E
Bis(2-chloroethyl)ether	ND	370	ug/Kg	1	03/15/24	MR	SW8270E
Bis(2-ethylhexyl)phthalate	ND	370	ug/Kg	1	03/15/24	MR	SW8270E
Carbazole	ND	200	ug/Kg	1	03/15/24	MR	SW8270E
Chrysene	980	260	ug/Kg	1	03/15/24	MR	SW8270E
Dibenz(a,h)anthracene	ND	260	ug/Kg	1	03/15/24	MR	SW8270E
Dibenzofuran	ND	200	ug/Kg	1	03/15/24	MR	SW8270E
Diethyl phthalate	ND	260	ug/Kg	1	03/15/24	MR	SW8270E
Dimethylphthalate	ND	260	ug/Kg	1	03/15/24	MR	SW8270E
Di-n-butylphthalate	ND	370	ug/Kg	1	03/15/24	MR	SW8270E
Di-n-octylphthalate	ND	260	ug/Kg	1	03/15/24	MR	SW8270E
Fluoranthene	2200	260	ug/Kg	1	03/15/24	MR	SW8270E
Fluorene	ND	260	ug/Kg	1	03/15/24	MR	SW8270E
Hexachlorobenzene	ND	260	ug/Kg	1	03/15/24	MR	SW8270E
Hexachlorobutadiene	ND	200	ug/Kg	1	03/15/24	MR	SW8270E
Hexachlorocyclopentadiene	ND	260	ug/Kg	1	03/15/24	MR	SW8270E
Hexachloroethane	ND	260	ug/Kg	1	03/15/24	MR	SW8270E
Indeno(1,2,3-cd)pyrene	580	260	ug/Kg	1	03/15/24	MR	SW8270E
Isophorone	ND	260	ug/Kg	1	03/15/24	MR	SW8270E
Naphthalene	ND	260	ug/Kg	1	03/15/24	MR	SW8270E
Nitrobenzene	ND	200	ug/Kg	1	03/15/24	MR	SW8270E
N-Nitrosodimethylamine	ND	200	ug/Kg	1	03/15/24	MR	SW8270E
N-Nitrosodi-n-propylamine	ND	200	ug/Kg	1	03/15/24	MR	SW8270E
N-Nitrosodiphenylamine	ND	200	ug/Kg	1	03/15/24	MR	SW8270E
Pentachloronitrobenzene	ND	140	ug/Kg	1	03/15/24	MR	SW8270E
Pentachlorophenol	ND	370	ug/Kg	1	03/15/24	MR	SW8270E
Phenanthrene	1200	260	ug/Kg	1	03/15/24	MR	SW8270E
Phenol	ND	260	ug/Kg	1	03/15/24	MR	SW8270E
Pyrene	1800	260	ug/Kg	1	03/15/24	MR	SW8270E
Pyridine	ND	200	ug/Kg	1	03/15/24	MR	SW8270E
QA/QC Surrogates							
% 2,4,6-Tribromophenol	57		%	1	03/15/24	MR	30 - 130 %
% 2-Fluorobiphenyl	49		%	1	03/15/24	MR	30 - 130 %
% 2-Fluorophenol	51		%	1	03/15/24	MR	30 - 130 %
% Nitrobenzene-d5	51		%	1	03/15/24	MR	30 - 130 %
% Phenol-d5	51		%	1	03/15/24	MR	30 - 130 %
% Terphenyl-d14	52		%	1	03/15/24	MR	30 - 130 %
SPLP Semivolatiles by SIM							
2-Methylnaphthalene	ND	0.50	ug/L	1	03/27/24	MR	SW8270E (SIM)
Acenaphthene	ND	0.50	ug/L	1	03/27/24	MR	SW8270E (SIM)
Acenaphthylene	ND	0.30	ug/L	1	03/27/24	MR	SW8270E (SIM)
Anthracene	ND	0.50	ug/L	1	03/27/24	MR	SW8270E (SIM)
Benz(a)anthracene	ND	0.05	ug/L	1	03/27/24	MR	SW8270E (SIM)
Benzo(a)pyrene	ND	0.20	ug/L	1	03/27/24	MR	SW8270E (SIM)
Benzo(b)fluoranthene	ND	0.07	ug/L	1	03/27/24	MR	SW8270E (SIM)
Benzo(ghi)perylene	ND	0.48	ug/L	1	03/27/24	MR	SW8270E (SIM)
Benzo(k)fluoranthene	ND	0.30	ug/L	1	03/27/24	MR	SW8270E (SIM)

Project ID: OLSON DRIVE
Client ID: STOCKPILE 10-3

Phoenix I.D.: CQ26133

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Chrysene	ND	0.50	ug/L	1	03/27/24	MR	SW8270E (SIM)
Dibenz(a,h)anthracene	ND	0.10	ug/L	1	03/27/24	MR	SW8270E (SIM)
Fluoranthene	ND	0.50	ug/L	1	03/27/24	MR	SW8270E (SIM)
Fluorene	ND	0.50	ug/L	1	03/27/24	MR	SW8270E (SIM)
Indeno(1,2,3-cd)pyrene	ND	0.10	ug/L	1	03/27/24	MR	SW8270E (SIM)
Naphthalene	ND	0.50	ug/L	1	03/27/24	MR	SW8270E (SIM)
Phenanthrene	0.08	0.06	ug/L	1	03/27/24	MR	SW8270E (SIM)
Pyrene	ND	0.50	ug/L	1	03/27/24	MR	SW8270E (SIM)
QA/QC Surrogates							
% 2-Fluorobiphenyl	70		%	1	03/27/24	MR	30 - 130 %
% Nitrobenzene-d5	78		%	1	03/27/24	MR	30 - 130 %
% Terphenyl-d14	86		%	1	03/27/24	MR	30 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
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.

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
April 03, 2024
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

Analysis Report

April 03, 2024

FOR: Attn: Brian Sirowich
Tighe & Bond
213 Court St, Suite 1100
Middletown, CT 06457

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	PA	03/12/24	12:50
Location Code:	TIGHE-DAS	Received by:	LB	03/13/24	16:41
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	105093011				

Laboratory Data

SDG ID: GCQ26127
Phoenix ID: CQ26135

Project ID: OLSON DRIVE
Client ID: COMPOSITE 8/11

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.40	0.40	mg/Kg	1	03/14/24	TH	SW6010D
Arsenic	3.94	0.81	mg/Kg	1	03/14/24	TH	SW6010D
Barium	58.8	0.40	mg/Kg	1	03/14/24	TH	SW6010D
Beryllium	0.50	0.32	mg/Kg	1	03/14/24	TH	SW6010D
Cadmium	0.48	0.40	mg/Kg	1	03/14/24	TH	SW6010D
Chromium	14.3	0.40	mg/Kg	1	03/14/24	TH	SW6010D
Copper	28.5	0.8	mg/kg	1	03/14/24	TH	SW6010D
Mercury	0.10	0.03	mg/Kg	2	03/14/24	GW	SW7471B
Nickel	12.0	0.40	mg/Kg	1	03/14/24	TH	SW6010D
Lead	30.1	0.40	mg/Kg	1	03/14/24	TH	SW6010D
Antimony	< 4.0	4.0	mg/Kg	1	03/14/24	TH	SW6010D
Selenium	< 1.6	1.6	mg/Kg	1	03/14/24	TH	SW6010D
Thallium	< 3.6	3.6	mg/Kg	1	03/14/24	TH	SW6010D
Vanadium	30.7	0.40	mg/Kg	1	03/14/24	TH	SW6010D
Zinc	67.9	0.8	mg/Kg	1	03/14/24	TH	SW6010D
Percent Solid	85		%		03/13/24	CV	SW846-%Solid
Field Extraction	Completed				03/12/24		SW5035A
Mercury Digestion	Completed				03/14/24	HL/HL	SW7471B
Extraction of ETPH	Completed				03/14/24	H/AC1/AC	SW3546
Soil Extraction for Pesticide	Completed				03/19/24	HL/H/U	SW3546
Soil Extraction for SVOA	Completed				03/14/24	H/HL/HL	SW3546
Extraction for PCB	Completed				03/13/24	R/RB/CV	SW3540C
Total Metals Digest	Completed				03/13/24	P/AG/BF	SW3050B
TPH by GC (Extractable Products)							
Ext. Petroleum H.C. (C9-C36)	ND	290	mg/Kg	5	03/18/24	JRB	CTETPH
Identification	ND		mg/Kg	5	03/18/24	JRB	CTETPH

Ver 3

Project ID: OLSON DRIVE
Client ID: COMPOSITE 8/11

Phoenix I.D.: CQ26135

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
QA/QC Surrogates							
% COD (surr)	99		%	5	03/18/24	JRB	50 - 150 %
% Terphenyl (surr)	95		%	5	03/18/24	JRB	50 - 150 %
PCB (Soxhlet SW3540C)							
PCB-1016	ND	100	ug/Kg	10	03/14/24	PS	SW8082A
PCB-1221	ND	100	ug/Kg	10	03/14/24	PS	SW8082A
PCB-1232	ND	100	ug/Kg	10	03/14/24	PS	SW8082A
PCB-1242	ND	100	ug/Kg	10	03/14/24	PS	SW8082A
PCB-1248	ND	100	ug/Kg	10	03/14/24	PS	SW8082A
PCB-1254	ND	100	ug/Kg	10	03/14/24	PS	SW8082A
PCB-1260	ND	100	ug/Kg	10	03/14/24	PS	SW8082A
PCB-1262	ND	100	ug/Kg	10	03/14/24	PS	SW8082A
PCB-1268	ND	100	ug/Kg	10	03/14/24	PS	SW8082A
Total PCBs	ND	100	ug/Kg	10	03/14/24	PS	SW8082A
QA/QC Surrogates							
% DCBP	80		%	10	03/14/24	PS	30 - 150 %
% DCBP (Confirmation)	82		%	10	03/14/24	PS	30 - 150 %
% TCMX	73		%	10	03/14/24	PS	30 - 150 %
% TCMX (Confirmation)	76		%	10	03/14/24	PS	30 - 150 %
Pesticides							
4,4' -DDD	ND	1.6	ug/Kg	2	03/20/24	AW	SW8081B
4,4' -DDE	ND	1.6	ug/Kg	2	03/20/24	AW	SW8081B
4,4' -DDT	ND	3.0	ug/Kg	2	03/20/24	AW	SW8081B
a-BHC	ND	1.6	ug/Kg	2	03/20/24	AW	SW8081B
Alachlor	ND	7.8	ug/Kg	2	03/20/24	AW	SW8081B
Aldrin	ND	1.6	ug/Kg	2	03/20/24	AW	SW8081B
b-BHC	ND	1.6	ug/Kg	2	03/20/24	AW	SW8081B
Chlordane	ND	39	ug/Kg	2	03/20/24	AW	SW8081B
d-BHC	ND	1.6	ug/Kg	2	03/20/24	AW	SW8081B
Dieldrin	ND	3.9	ug/Kg	2	03/20/24	AW	SW8081B
Endosulfan I	ND	7.8	ug/Kg	2	03/20/24	AW	SW8081B
Endosulfan II	ND	7.8	ug/Kg	2	03/20/24	AW	SW8081B
Endosulfan sulfate	ND	7.8	ug/Kg	2	03/20/24	AW	SW8081B
Endrin	ND	7.8	ug/Kg	2	03/20/24	AW	SW8081B
Endrin aldehyde	ND	7.8	ug/Kg	2	03/20/24	AW	SW8081B
Endrin ketone	ND	7.8	ug/Kg	2	03/20/24	AW	SW8081B
g-BHC	ND	1.6	ug/Kg	2	03/20/24	AW	SW8081B
Heptachlor	ND	7.8	ug/Kg	2	03/20/24	AW	SW8081B
Heptachlor epoxide	ND	7.8	ug/Kg	2	03/20/24	AW	SW8081B
Methoxychlor	ND	39	ug/Kg	2	03/20/24	AW	SW8081B
Toxaphene	ND	160	ug/Kg	2	03/20/24	AW	SW8081B
QA/QC Surrogates							
% DCBP	80		%	2	03/20/24	AW	30 - 150 %
% DCBP (Confirmation)	100		%	2	03/20/24	AW	30 - 150 %
% TCMX	67		%	2	03/20/24	AW	30 - 150 %
% TCMX (Confirmation)	60		%	2	03/20/24	AW	30 - 150 %

Project ID: OLSON DRIVE
Client ID: COMPOSITE 8/11

Phoenix I.D.: CQ26135

Volatiles

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
1,1,1,2-Tetrachloroethane	ND	5.5	ug/Kg	1	03/14/24	JLI	SW8260D
1,1,1-Trichloroethane	ND	5.5	ug/Kg	1	03/14/24	JLI	SW8260D
1,1,2,2-Tetrachloroethane	ND	3.3	ug/Kg	1	03/14/24	JLI	SW8260D
1,1,2-Trichloroethane	ND	5.5	ug/Kg	1	03/14/24	JLI	SW8260D
1,1-Dichloroethane	ND	5.5	ug/Kg	1	03/14/24	JLI	SW8260D
1,1-Dichloroethene	ND	5.5	ug/Kg	1	03/14/24	JLI	SW8260D
1,1-Dichloropropene	ND	5.5	ug/Kg	1	03/14/24	JLI	SW8260D
1,2,3-Trichlorobenzene	ND	5.5	ug/Kg	1	03/14/24	JLI	SW8260D
1,2,3-Trichloropropane	ND	5.5	ug/Kg	1	03/14/24	JLI	SW8260D
1,2,4-Trichlorobenzene	ND	5.5	ug/Kg	1	03/14/24	JLI	SW8260D
1,2,4-Trimethylbenzene	ND	5.5	ug/Kg	1	03/14/24	JLI	SW8260D
1,2-Dibromo-3-chloropropane	ND	5.0	ug/Kg	1	03/14/24	JLI	SW8260D
1,2-Dibromoethane	ND	0.55	ug/Kg	1	03/14/24	JLI	SW8260D
1,2-Dichlorobenzene	ND	5.5	ug/Kg	1	03/14/24	JLI	SW8260D
1,2-Dichloroethane	ND	5.5	ug/Kg	1	03/14/24	JLI	SW8260D
1,2-Dichloropropane	ND	5.5	ug/Kg	1	03/14/24	JLI	SW8260D
1,3,5-Trimethylbenzene	ND	5.5	ug/Kg	1	03/14/24	JLI	SW8260D
1,3-Dichlorobenzene	ND	5.5	ug/Kg	1	03/14/24	JLI	SW8260D
1,3-Dichloropropane	ND	5.5	ug/Kg	1	03/14/24	JLI	SW8260D
1,4-Dichlorobenzene	ND	5.5	ug/Kg	1	03/14/24	JLI	SW8260D
2,2-Dichloropropane	ND	5.5	ug/Kg	1	03/14/24	JLI	SW8260D
2-Chlorotoluene	ND	5.5	ug/Kg	1	03/14/24	JLI	SW8260D
2-Hexanone	ND	28	ug/Kg	1	03/14/24	JLI	SW8260D
2-Isopropyltoluene	ND	5.5	ug/Kg	1	03/14/24	JLI	SW8260D
4-Chlorotoluene	ND	5.5	ug/Kg	1	03/14/24	JLI	SW8260D
4-Methyl-2-pentanone	ND	28	ug/Kg	1	03/14/24	JLI	SW8260D
Acetone	ND	280	ug/Kg	1	03/14/24	JLI	SW8260D
Acrylonitrile	ND	5.5	ug/Kg	1	03/14/24	JLI	SW8260D
Benzene	ND	5.5	ug/Kg	1	03/14/24	JLI	SW8260D
Bromobenzene	ND	5.5	ug/Kg	1	03/14/24	JLI	SW8260D
Bromochloromethane	ND	5.5	ug/Kg	1	03/14/24	JLI	SW8260D
Bromodichloromethane	ND	5.5	ug/Kg	1	03/14/24	JLI	SW8260D
Bromoform	ND	5.5	ug/Kg	1	03/14/24	JLI	SW8260D
Bromomethane	ND	5.5	ug/Kg	1	03/14/24	JLI	SW8260D
Carbon Disulfide	ND	5.5	ug/Kg	1	03/14/24	JLI	SW8260D
Carbon tetrachloride	ND	5.5	ug/Kg	1	03/14/24	JLI	SW8260D
Chlorobenzene	ND	5.5	ug/Kg	1	03/14/24	JLI	SW8260D
Chloroethane	ND	5.5	ug/Kg	1	03/14/24	JLI	SW8260D
Chloroform	ND	5.5	ug/Kg	1	03/14/24	JLI	SW8260D
Chloromethane	ND	5.5	ug/Kg	1	03/14/24	JLI	SW8260D
cis-1,2-Dichloroethene	ND	5.5	ug/Kg	1	03/14/24	JLI	SW8260D
cis-1,3-Dichloropropene	ND	5.5	ug/Kg	1	03/14/24	JLI	SW8260D
Dibromochloromethane	ND	3.3	ug/Kg	1	03/14/24	JLI	SW8260D
Dibromomethane	ND	5.5	ug/Kg	1	03/14/24	JLI	SW8260D
Dichlorodifluoromethane	ND	5.5	ug/Kg	1	03/14/24	JLI	SW8260D
Ethylbenzene	ND	5.5	ug/Kg	1	03/14/24	JLI	SW8260D
Hexachlorobutadiene	ND	5.5	ug/Kg	1	03/14/24	JLI	SW8260D
Isopropylbenzene	ND	5.5	ug/Kg	1	03/14/24	JLI	SW8260D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
m&p-Xylene	ND	5.5	ug/Kg	1	03/14/24	JLI	SW8260D
Methyl Ethyl Ketone	ND	33	ug/Kg	1	03/14/24	JLI	SW8260D
Methyl t-butyl ether (MTBE)	ND	11	ug/Kg	1	03/14/24	JLI	SW8260D
Methylene chloride	ND	11	ug/Kg	1	03/14/24	JLI	SW8260D
Naphthalene	ND	5.5	ug/Kg	1	03/14/24	JLI	SW8260D
n-Butylbenzene	ND	5.5	ug/Kg	1	03/14/24	JLI	SW8260D
n-Propylbenzene	ND	5.5	ug/Kg	1	03/14/24	JLI	SW8260D
o-Xylene	ND	5.5	ug/Kg	1	03/14/24	JLI	SW8260D
p-Isopropyltoluene	ND	5.5	ug/Kg	1	03/14/24	JLI	SW8260D
sec-Butylbenzene	ND	5.5	ug/Kg	1	03/14/24	JLI	SW8260D
Styrene	ND	5.5	ug/Kg	1	03/14/24	JLI	SW8260D
tert-Butylbenzene	ND	5.5	ug/Kg	1	03/14/24	JLI	SW8260D
Tetrachloroethene	ND	5.5	ug/Kg	1	03/14/24	JLI	SW8260D
Tetrahydrofuran (THF)	ND	11	ug/Kg	1	03/14/24	JLI	SW8260D
Toluene	ND	5.5	ug/Kg	1	03/14/24	JLI	SW8260D
Total Xylenes	ND	5.5	ug/Kg	1	03/14/24	JLI	SW8260D
trans-1,2-Dichloroethene	ND	5.5	ug/Kg	1	03/14/24	JLI	SW8260D
trans-1,3-Dichloropropene	ND	5.5	ug/Kg	1	03/14/24	JLI	SW8260D
trans-1,4-dichloro-2-butene	ND	11	ug/Kg	1	03/14/24	JLI	SW8260D
Trichloroethene	ND	5.5	ug/Kg	1	03/14/24	JLI	SW8260D
Trichlorofluoromethane	ND	5.5	ug/Kg	1	03/14/24	JLI	SW8260D
Trichlorotrifluoroethane	ND	11	ug/Kg	1	03/14/24	JLI	SW8260D
Vinyl chloride	ND	5.5	ug/Kg	1	03/14/24	JLI	SW8260D
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	96		%	1	03/14/24	JLI	70 - 130 %
% Bromofluorobenzene	90		%	1	03/14/24	JLI	70 - 130 %
% Dibromofluoromethane	116		%	1	03/14/24	JLI	70 - 130 %
% Toluene-d8	91		%	1	03/14/24	JLI	70 - 130 %
Semivolatiles							
1,2,4,5-Tetrachlorobenzene	ND	100	ug/Kg	1	03/15/24	MR	SW8270E
1,2,4-Trichlorobenzene	ND	270	ug/Kg	1	03/15/24	MR	SW8270E
1,2-Dichlorobenzene	ND	270	ug/Kg	1	03/15/24	MR	SW8270E
1,2-Diphenylhydrazine	ND	200	ug/Kg	1	03/15/24	MR	SW8270E
1,3-Dichlorobenzene	ND	270	ug/Kg	1	03/15/24	MR	SW8270E
1,4-Dichlorobenzene	ND	270	ug/Kg	1	03/15/24	MR	SW8270E
2,2'-Oxybis(1-Chloropropane)	ND	270	ug/Kg	1	03/15/24	MR	SW8270E
2,4,5-Trichlorophenol	ND	270	ug/Kg	1	03/15/24	MR	SW8270E
2,4,6-Trichlorophenol	ND	200	ug/Kg	1	03/15/24	MR	SW8270E
2,4-Dichlorophenol	ND	270	ug/Kg	1	03/15/24	MR	SW8270E
2,4-Dimethylphenol	ND	270	ug/Kg	1	03/15/24	MR	SW8270E
2,4-Dinitrophenol	ND	300	ug/Kg	1	03/15/24	MR	SW8270E
2,4-Dinitrotoluene	ND	200	ug/Kg	1	03/15/24	MR	SW8270E
2,6-Dinitrotoluene	ND	200	ug/Kg	1	03/15/24	MR	SW8270E
2-Chloronaphthalene	ND	270	ug/Kg	1	03/15/24	MR	SW8270E
2-Chlorophenol	ND	270	ug/Kg	1	03/15/24	MR	SW8270E
2-Methylnaphthalene	ND	270	ug/Kg	1	03/15/24	MR	SW8270E
2-Methylphenol (o-cresol)	ND	270	ug/Kg	1	03/15/24	MR	SW8270E
2-Nitroaniline	ND	300	ug/Kg	1	03/15/24	MR	SW8270E
2-Nitrophenol	ND	270	ug/Kg	1	03/15/24	MR	SW8270E

Project ID: OLSON DRIVE
Client ID: COMPOSITE 8/11

Phoenix I.D.: CQ26135

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
3&4-Methylphenol (m&p-cresol)	ND	390	ug/Kg	1	03/15/24	MR	SW8270E
3,3'-Dichlorobenzidine	ND	200	ug/Kg	1	03/15/24	MR	SW8270E
3-Nitroaniline	ND	300	ug/Kg	1	03/15/24	MR	SW8270E
4,6-Dinitro-2-methylphenol	ND	300	ug/Kg	1	03/15/24	MR	SW8270E
4-Bromophenyl phenyl ether	ND	390	ug/Kg	1	03/15/24	MR	SW8270E
4-Chloro-3-methylphenol	ND	270	ug/Kg	1	03/15/24	MR	SW8270E
4-Chloroaniline	ND	200	ug/Kg	1	03/15/24	MR	SW8270E
4-Chlorophenyl phenyl ether	ND	270	ug/Kg	1	03/15/24	MR	SW8270E
4-Nitroaniline	ND	300	ug/Kg	1	03/15/24	MR	SW8270E
4-Nitrophenol	ND	270	ug/Kg	1	03/15/24	MR	SW8270E
Acenaphthene	ND	270	ug/Kg	1	03/15/24	MR	SW8270E
Acenaphthylene	ND	270	ug/Kg	1	03/15/24	MR	SW8270E
Acetophenone	ND	270	ug/Kg	1	03/15/24	MR	SW8270E
Aniline	ND	200	ug/Kg	1	03/15/24	MR	SW8270E
Anthracene	ND	270	ug/Kg	1	03/15/24	MR	SW8270E
Benz(a)anthracene	460	270	ug/Kg	1	03/15/24	MR	SW8270E
Benzidine	ND	200	ug/Kg	1	03/15/24	MR	SW8270E
Benzo(a)pyrene	490	270	ug/Kg	1	03/15/24	MR	SW8270E
Benzo(b)fluoranthene	640	270	ug/Kg	1	03/15/24	MR	SW8270E
Benzo(ghi)perylene	310	270	ug/Kg	1	03/15/24	MR	SW8270E
Benzo(k)fluoranthene	ND	270	ug/Kg	1	03/15/24	MR	SW8270E
Benzoic acid	ND	780	ug/Kg	1	03/15/24	MR	SW8270E
Benzyl butyl phthalate	ND	270	ug/Kg	1	03/15/24	MR	SW8270E
Bis(2-chloroethoxy)methane	ND	270	ug/Kg	1	03/15/24	MR	SW8270E
Bis(2-chloroethyl)ether	ND	390	ug/Kg	1	03/15/24	MR	SW8270E
Bis(2-ethylhexyl)phthalate	ND	390	ug/Kg	1	03/15/24	MR	SW8270E
Carbazole	ND	200	ug/Kg	1	03/15/24	MR	SW8270E
Chrysene	430	270	ug/Kg	1	03/15/24	MR	SW8270E
Dibenz(a,h)anthracene	ND	270	ug/Kg	1	03/15/24	MR	SW8270E
Dibenzofuran	ND	200	ug/Kg	1	03/15/24	MR	SW8270E
Diethyl phthalate	ND	270	ug/Kg	1	03/15/24	MR	SW8270E
Dimethylphthalate	ND	270	ug/Kg	1	03/15/24	MR	SW8270E
Di-n-butylphthalate	ND	390	ug/Kg	1	03/15/24	MR	SW8270E
Di-n-octylphthalate	ND	270	ug/Kg	1	03/15/24	MR	SW8270E
Fluoranthene	850	270	ug/Kg	1	03/15/24	MR	SW8270E
Fluorene	ND	270	ug/Kg	1	03/15/24	MR	SW8270E
Hexachlorobenzene	ND	270	ug/Kg	1	03/15/24	MR	SW8270E
Hexachlorobutadiene	ND	200	ug/Kg	1	03/15/24	MR	SW8270E
Hexachlorocyclopentadiene	ND	270	ug/Kg	1	03/15/24	MR	SW8270E
Hexachloroethane	ND	270	ug/Kg	1	03/15/24	MR	SW8270E
Indeno(1,2,3-cd)pyrene	330	270	ug/Kg	1	03/15/24	MR	SW8270E
Isophorone	ND	270	ug/Kg	1	03/15/24	MR	SW8270E
Naphthalene	ND	270	ug/Kg	1	03/15/24	MR	SW8270E
Nitrobenzene	ND	200	ug/Kg	1	03/15/24	MR	SW8270E
N-Nitrosodimethylamine	ND	200	ug/Kg	1	03/15/24	MR	SW8270E
N-Nitrosodi-n-propylamine	ND	200	ug/Kg	1	03/15/24	MR	SW8270E
N-Nitrosodiphenylamine	ND	200	ug/Kg	1	03/15/24	MR	SW8270E
Pentachloronitrobenzene	ND	140	ug/Kg	1	03/15/24	MR	SW8270E
Pentachlorophenol	ND	390	ug/Kg	1	03/15/24	MR	SW8270E

Project ID: OLSON DRIVE
Client ID: COMPOSITE 8/11

Phoenix I.D.: CQ26135

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Phenanthrene	320	270	ug/Kg	1	03/15/24	MR	SW8270E
Phenol	ND	270	ug/Kg	1	03/15/24	MR	SW8270E
Pyrene	710	270	ug/Kg	1	03/15/24	MR	SW8270E
Pyridine	ND	200	ug/Kg	1	03/15/24	MR	SW8270E
QA/QC Surrogates							
% 2,4,6-Tribromophenol	64		%	1	03/15/24	MR	30 - 130 %
% 2-Fluorobiphenyl	51		%	1	03/15/24	MR	30 - 130 %
% 2-Fluorophenol	52		%	1	03/15/24	MR	30 - 130 %
% Nitrobenzene-d5	52		%	1	03/15/24	MR	30 - 130 %
% Phenol-d5	53		%	1	03/15/24	MR	30 - 130 %
% Terphenyl-d14	54		%	1	03/15/24	MR	30 - 130 %

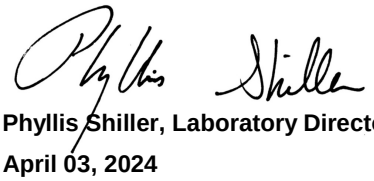
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

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.

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
April 03, 2024
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

Analysis Report

April 03, 2024

FOR: Attn: Brian Sirowich
Tighe & Bond
213 Court St, Suite 1100
Middletown, CT 06457

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	PA	03/12/24	13:30
Location Code:	TIGHE-DAS	Received by:	LB	03/13/24	16:41
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	105093011				

Laboratory Data

SDG ID: GCQ26127
Phoenix ID: CQ26138

Project ID: OLSON DRIVE
Client ID: COMPOSITE 1/2

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.41	0.41	mg/Kg	1	03/14/24	TH	SW6010D
Arsenic	5.51	0.82	mg/Kg	1	03/14/24	TH	SW6010D
Barium	67.3	0.41	mg/Kg	1	03/14/24	TH	SW6010D
Beryllium	0.49	0.33	mg/Kg	1	03/14/24	TH	SW6010D
Cadmium	0.74	0.41	mg/Kg	1	03/14/24	TH	SW6010D
Chromium	19.5	0.41	mg/Kg	1	03/14/24	TH	SW6010D
Copper	52.5	0.8	mg/kg	1	03/14/24	TH	SW6010D
Mercury	0.13	0.03	mg/Kg	2	03/14/24	GW	SW7471B
Nickel	14.6	0.41	mg/Kg	1	03/14/24	TH	SW6010D
Lead	92.3	0.41	mg/Kg	1	03/14/24	TH	SW6010D
Antimony	< 4.1	4.1	mg/Kg	1	03/14/24	TH	SW6010D
Selenium	< 1.6	1.6	mg/Kg	1	03/14/24	TH	SW6010D
SPLP Arsenic	< 0.004	0.004	mg/L	1	03/27/24	TH	SW6010D
SPLP Chromium	< 0.010	0.010	mg/L	1	03/27/24	TH	SW6010D
SPLP Mercury	< 0.0005	0.0005	mg/L	1	03/27/24	ZT	SW7470A
SPLP Vanadium	< 0.010	0.010	mg/L	1	03/27/24	TH	SW6010D
Thallium	< 3.7	3.7	mg/Kg	1	03/14/24	TH	SW6010D
SPLP Metals Digestion	Completed				03/27/24	AL/HL	SW3010A
Vanadium	31.7	0.41	mg/Kg	1	03/14/24	TH	SW6010D
Zinc	107	0.8	mg/Kg	1	03/14/24	TH	SW6010D
Percent Solid	81		%		03/13/24	CV	SW846-%Solid
Field Extraction	Completed				03/12/24		SW5035A
Mercury Digestion	Completed				03/14/24	HL/HL	SW7471B
Extraction of ETPH	Completed				03/14/24	-I/AC1/AC:	SW3546
Soil Extraction for Herbicide	Completed				03/26/24	P/L/D	SW3546
Soil Extraction for Pesticide	Completed				03/19/24	HL/H/U	SW3546
Soil Extraction for SVOA	Completed				03/14/24	H/HL/HL	SW3546

Ver 3

Project ID: OLSON DRIVE
Client ID: COMPOSITE 1/2

Phoenix I.D.: CQ26138

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Extraction for PCB	Completed				03/13/24	R/RB/CV	SW3540C
SPLP Digestion Mercury	Completed				03/27/24	AL/AL	SW1312/SW7470A
SPLP Herbicides Extraction	Completed				03/27/24	CV/MQ/D	SW3510C
SPLP Extraction for Metals	Completed				03/26/24	AL	SW1312
SPLP Extraction for Organics	Completed				03/22/24	AL	SW1312
SPLP Pesticides Ext.	Completed				03/27/24	CV/CV	SW3510C
Total Metals Digest	Completed				03/13/24	P/AG/BF	SW3050B
Chlorinated Herbicides							
2,4,5-T	ND	150	ug/Kg	10	03/27/24	JRB	SW8151A
2,4,5-TP (Silvex)	ND	150	ug/Kg	10	03/27/24	JRB	SW8151A
2,4-D	ND	300	ug/Kg	10	03/27/24	JRB	SW8151A
2,4-DB	ND	3000	ug/Kg	10	03/27/24	JRB	SW8151A
Dalapon	ND	150	ug/Kg	10	03/27/24	JRB	SW8151A
Dicamba	ND	150	ug/Kg	10	03/27/24	JRB	SW8151A
Dichloroprop	ND	300	ug/Kg	10	03/27/24	JRB	SW8151A
Dinoseb	ND	300	ug/Kg	10	03/27/24	JRB	SW8151A
QA/QC Surrogates							
% DCAA	78		%	10	03/27/24	JRB	30 - 150 %
% DCAA (Confirmation)	68		%	10	03/27/24	JRB	30 - 150 %
TPH by GC (Extractable Products)							
Ext. Petroleum H.C. (C9-C36)	ND	300	mg/Kg	5	03/18/24	JRB	CTETPH
Identification	ND		mg/Kg	5	03/18/24	JRB	CTETPH
QA/QC Surrogates							
% COD (surr)	89		%	5	03/18/24	JRB	50 - 150 %
% Terphenyl (surr)	90		%	5	03/18/24	JRB	50 - 150 %
PCB (Soxhlet SW3540C)							
PCB-1016	ND	100	ug/Kg	10	03/14/24	PS	SW8082A
PCB-1221	ND	100	ug/Kg	10	03/14/24	PS	SW8082A
PCB-1232	ND	100	ug/Kg	10	03/14/24	PS	SW8082A
PCB-1242	ND	100	ug/Kg	10	03/14/24	PS	SW8082A
PCB-1248	ND	100	ug/Kg	10	03/14/24	PS	SW8082A
PCB-1254	ND	100	ug/Kg	10	03/14/24	PS	SW8082A
PCB-1260	ND	100	ug/Kg	10	03/14/24	PS	SW8082A
PCB-1262	ND	100	ug/Kg	10	03/14/24	PS	SW8082A
PCB-1268	ND	100	ug/Kg	10	03/14/24	PS	SW8082A
Total PCBs	ND	100	ug/Kg	10	03/14/24	PS	SW8082A
QA/QC Surrogates							
% DCBP	72		%	10	03/14/24	PS	30 - 150 %
% DCBP (Confirmation)	72		%	10	03/14/24	PS	30 - 150 %
% TCMX	59		%	10	03/14/24	PS	30 - 150 %
% TCMX (Confirmation)	60		%	10	03/14/24	PS	30 - 150 %
Pesticides							
4,4' -DDD	ND	1.6	ug/Kg	2	03/20/24	AW	SW8081B
4,4' -DDE	22	8.2	ug/Kg	2	03/20/24	AW	SW8081B
4,4' -DDT	11	8.2	ug/Kg	2	03/20/24	AW	SW8081B
a-BHC	ND	1.6	ug/Kg	2	03/20/24	AW	SW8081B

Project ID: OLSON DRIVE
Client ID: COMPOSITE 1/2

Phoenix I.D.: CQ26138

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Alachlor	ND	8.2	ug/Kg	2	03/20/24	AW	SW8081B
Aldrin	ND	1.6	ug/Kg	2	03/20/24	AW	SW8081B
b-BHC	ND	1.6	ug/Kg	2	03/20/24	AW	SW8081B
Chlordane	170	41	ug/Kg	2	03/20/24	AW	SW8081B
d-BHC	ND	1.6	ug/Kg	2	03/20/24	AW	SW8081B
Dieldrin	ND	4.1	ug/Kg	2	03/20/24	AW	SW8081B
Endosulfan I	ND	8.2	ug/Kg	2	03/20/24	AW	SW8081B
Endosulfan II	ND	8.2	ug/Kg	2	03/20/24	AW	SW8081B
Endosulfan sulfate	ND	8.2	ug/Kg	2	03/20/24	AW	SW8081B
Endrin	ND	8.2	ug/Kg	2	03/20/24	AW	SW8081B
Endrin aldehyde	ND	8.2	ug/Kg	2	03/20/24	AW	SW8081B
Endrin ketone	ND	8.2	ug/Kg	2	03/20/24	AW	SW8081B
g-BHC	ND	1.6	ug/Kg	2	03/20/24	AW	SW8081B
Heptachlor	ND	8.2	ug/Kg	2	03/20/24	AW	SW8081B
Heptachlor epoxide	ND	8.2	ug/Kg	2	03/20/24	AW	SW8081B
Methoxychlor	ND	41	ug/Kg	2	03/20/24	AW	SW8081B
Toxaphene	ND	160	ug/Kg	2	03/20/24	AW	SW8081B
QA/QC Surrogates							
% DCBP	78		%	2	03/20/24	AW	30 - 150 %
% DCBP (Confirmation)	99		%	2	03/20/24	AW	30 - 150 %
% TCMX	67		%	2	03/20/24	AW	30 - 150 %
% TCMX (Confirmation)	60		%	2	03/20/24	AW	30 - 150 %
SPLP Herbicides							
2,4,5-TP (Silvex)	ND	0.27	ug/L	1	03/28/24	JRB	SW8151A
2,4-D	ND	0.54	ug/L	1	03/28/24	JRB	SW8151A
QA/QC Surrogates							
% DCAA (Surrogate Rec)	51		%	1	03/28/24	JRB	30 - 150 %
% DCAA (Surrogate Rec) (Confirmation)	95		%	1	03/28/24	JRB	30 - 150 %
SPLP Pesticides							
4,4' -DDT	ND	0.005	ug/L	1	03/27/24	AW	SW8081B
QA/QC Surrogates							
%DCBP (Surrogate Rec)	73		%	1	03/27/24	AW	30 - 150 %
%DCBP (Surrogate Rec) (Confirmation)	69		%	1	03/27/24	AW	30 - 150 %
%TCMX (Surrogate Rec)	61		%	1	03/27/24	AW	30 - 150 %
%TCMX (Surrogate Rec) (Confirmation)	76		%	1	03/27/24	AW	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	6.5	ug/Kg	1	03/14/24	JLI	SW8260D
1,1,1-Trichloroethane	ND	6.5	ug/Kg	1	03/14/24	JLI	SW8260D
1,1,2,2-Tetrachloroethane	ND	3.9	ug/Kg	1	03/14/24	JLI	SW8260D
1,1,2-Trichloroethane	ND	6.5	ug/Kg	1	03/14/24	JLI	SW8260D
1,1-Dichloroethane	ND	6.5	ug/Kg	1	03/14/24	JLI	SW8260D
1,1-Dichloroethene	ND	6.5	ug/Kg	1	03/14/24	JLI	SW8260D
1,1-Dichloropropene	ND	6.5	ug/Kg	1	03/14/24	JLI	SW8260D
1,2,3-Trichlorobenzene	ND	6.5	ug/Kg	1	03/14/24	JLI	SW8260D
1,2,3-Trichloropropane	ND	6.5	ug/Kg	1	03/14/24	JLI	SW8260D
1,2,4-Trichlorobenzene	ND	6.5	ug/Kg	1	03/14/24	JLI	SW8260D
1,2,4-Trimethylbenzene	ND	6.5	ug/Kg	1	03/14/24	JLI	SW8260D

Project ID: OLSON DRIVE
Client ID: COMPOSITE 1/2

Phoenix I.D.: CQ26138

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
1,2-Dibromo-3-chloropropane	ND	5.0	ug/Kg	1	03/14/24	JLI	SW8260D
1,2-Dibromoethane	ND	0.65	ug/Kg	1	03/14/24	JLI	SW8260D
1,2-Dichlorobenzene	ND	6.5	ug/Kg	1	03/14/24	JLI	SW8260D
1,2-Dichloroethane	ND	6.5	ug/Kg	1	03/14/24	JLI	SW8260D
1,2-Dichloropropane	ND	6.5	ug/Kg	1	03/14/24	JLI	SW8260D
1,3,5-Trimethylbenzene	ND	6.5	ug/Kg	1	03/14/24	JLI	SW8260D
1,3-Dichlorobenzene	ND	6.5	ug/Kg	1	03/14/24	JLI	SW8260D
1,3-Dichloropropane	ND	6.5	ug/Kg	1	03/14/24	JLI	SW8260D
1,4-Dichlorobenzene	ND	6.5	ug/Kg	1	03/14/24	JLI	SW8260D
2,2-Dichloropropane	ND	6.5	ug/Kg	1	03/14/24	JLI	SW8260D
2-Chlorotoluene	ND	6.5	ug/Kg	1	03/14/24	JLI	SW8260D
2-Hexanone	ND	32	ug/Kg	1	03/14/24	JLI	SW8260D
2-Isopropyltoluene	ND	6.5	ug/Kg	1	03/14/24	JLI	SW8260D
4-Chlorotoluene	ND	6.5	ug/Kg	1	03/14/24	JLI	SW8260D
4-Methyl-2-pentanone	ND	32	ug/Kg	1	03/14/24	JLI	SW8260D
Acetone	ND	320	ug/Kg	1	03/14/24	JLI	SW8260D
Acrylonitrile	ND	6.5	ug/Kg	1	03/14/24	JLI	SW8260D
Benzene	ND	6.5	ug/Kg	1	03/14/24	JLI	SW8260D
Bromobenzene	ND	6.5	ug/Kg	1	03/14/24	JLI	SW8260D
Bromochloromethane	ND	6.5	ug/Kg	1	03/14/24	JLI	SW8260D
Bromodichloromethane	ND	6.5	ug/Kg	1	03/14/24	JLI	SW8260D
Bromoform	ND	6.5	ug/Kg	1	03/14/24	JLI	SW8260D
Bromomethane	ND	6.5	ug/Kg	1	03/14/24	JLI	SW8260D
Carbon Disulfide	ND	6.5	ug/Kg	1	03/14/24	JLI	SW8260D
Carbon tetrachloride	ND	6.5	ug/Kg	1	03/14/24	JLI	SW8260D
Chlorobenzene	ND	6.5	ug/Kg	1	03/14/24	JLI	SW8260D
Chloroethane	ND	6.5	ug/Kg	1	03/14/24	JLI	SW8260D
Chloroform	ND	6.5	ug/Kg	1	03/14/24	JLI	SW8260D
Chloromethane	ND	6.5	ug/Kg	1	03/14/24	JLI	SW8260D
cis-1,2-Dichloroethene	ND	6.5	ug/Kg	1	03/14/24	JLI	SW8260D
cis-1,3-Dichloropropene	ND	6.5	ug/Kg	1	03/14/24	JLI	SW8260D
Dibromochloromethane	ND	3.9	ug/Kg	1	03/14/24	JLI	SW8260D
Dibromomethane	ND	6.5	ug/Kg	1	03/14/24	JLI	SW8260D
Dichlorodifluoromethane	ND	6.5	ug/Kg	1	03/14/24	JLI	SW8260D
Ethylbenzene	ND	6.5	ug/Kg	1	03/14/24	JLI	SW8260D
Hexachlorobutadiene	ND	6.5	ug/Kg	1	03/14/24	JLI	SW8260D
Isopropylbenzene	ND	6.5	ug/Kg	1	03/14/24	JLI	SW8260D
m&p-Xylene	ND	6.5	ug/Kg	1	03/14/24	JLI	SW8260D
Methyl Ethyl Ketone	68	39	ug/Kg	1	03/14/24	JLI	SW8260D
Methyl t-butyl ether (MTBE)	ND	13	ug/Kg	1	03/14/24	JLI	SW8260D
Methylene chloride	ND	13	ug/Kg	1	03/14/24	JLI	SW8260D
Naphthalene	ND	6.5	ug/Kg	1	03/14/24	JLI	SW8260D
n-Butylbenzene	ND	6.5	ug/Kg	1	03/14/24	JLI	SW8260D
n-Propylbenzene	ND	6.5	ug/Kg	1	03/14/24	JLI	SW8260D
o-Xylene	ND	6.5	ug/Kg	1	03/14/24	JLI	SW8260D
p-Isopropyltoluene	ND	6.5	ug/Kg	1	03/14/24	JLI	SW8260D
sec-Butylbenzene	ND	6.5	ug/Kg	1	03/14/24	JLI	SW8260D
Styrene	ND	6.5	ug/Kg	1	03/14/24	JLI	SW8260D
tert-Butylbenzene	ND	6.5	ug/Kg	1	03/14/24	JLI	SW8260D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Tetrachloroethene	ND	6.5	ug/Kg	1	03/14/24	JLI	SW8260D
Tetrahydrofuran (THF)	ND	13	ug/Kg	1	03/14/24	JLI	SW8260D
Toluene	11	6.5	ug/Kg	1	03/14/24	JLI	SW8260D
Total Xylenes	ND	6.5	ug/Kg	1	03/14/24	JLI	SW8260D
trans-1,2-Dichloroethene	ND	6.5	ug/Kg	1	03/14/24	JLI	SW8260D
trans-1,3-Dichloropropene	ND	6.5	ug/Kg	1	03/14/24	JLI	SW8260D
trans-1,4-dichloro-2-butene	ND	13	ug/Kg	1	03/14/24	JLI	SW8260D
Trichloroethene	ND	6.5	ug/Kg	1	03/14/24	JLI	SW8260D
Trichlorofluoromethane	ND	6.5	ug/Kg	1	03/14/24	JLI	SW8260D
Trichlorotrifluoroethane	ND	13	ug/Kg	1	03/14/24	JLI	SW8260D
Vinyl chloride	ND	6.5	ug/Kg	1	03/14/24	JLI	SW8260D
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	92		%	1	03/14/24	JLI	70 - 130 %
% Bromofluorobenzene	90		%	1	03/14/24	JLI	70 - 130 %
% Dibromofluoromethane	115		%	1	03/14/24	JLI	70 - 130 %
% Toluene-d8	91		%	1	03/14/24	JLI	70 - 130 %
Semivolatiles							
1,2,4,5-Tetrachlorobenzene	ND	100	ug/Kg	1	03/16/24	MR	SW8270E
1,2,4-Trichlorobenzene	ND	280	ug/Kg	1	03/16/24	MR	SW8270E
1,2-Dichlorobenzene	ND	280	ug/Kg	1	03/16/24	MR	SW8270E
1,2-Diphenylhydrazine	ND	200	ug/Kg	1	03/16/24	MR	SW8270E
1,3-Dichlorobenzene	ND	280	ug/Kg	1	03/16/24	MR	SW8270E
1,4-Dichlorobenzene	ND	280	ug/Kg	1	03/16/24	MR	SW8270E
2,2'-Oxybis(1-Chloropropane)	ND	280	ug/Kg	1	03/16/24	MR	SW8270E
2,4,5-Trichlorophenol	ND	280	ug/Kg	1	03/16/24	MR	SW8270E
2,4,6-Trichlorophenol	ND	200	ug/Kg	1	03/16/24	MR	SW8270E
2,4-Dichlorophenol	ND	280	ug/Kg	1	03/16/24	MR	SW8270E
2,4-Dimethylphenol	ND	280	ug/Kg	1	03/16/24	MR	SW8270E
2,4-Dinitrophenol	ND	300	ug/Kg	1	03/16/24	MR	SW8270E
2,4-Dinitrotoluene	ND	200	ug/Kg	1	03/16/24	MR	SW8270E
2,6-Dinitrotoluene	ND	200	ug/Kg	1	03/16/24	MR	SW8270E
2-Chloronaphthalene	ND	280	ug/Kg	1	03/16/24	MR	SW8270E
2-Chlorophenol	ND	280	ug/Kg	1	03/16/24	MR	SW8270E
2-Methylnaphthalene	ND	280	ug/Kg	1	03/16/24	MR	SW8270E
2-Methylphenol (o-cresol)	ND	280	ug/Kg	1	03/16/24	MR	SW8270E
2-Nitroaniline	ND	300	ug/Kg	1	03/16/24	MR	SW8270E
2-Nitrophenol	ND	280	ug/Kg	1	03/16/24	MR	SW8270E
3&4-Methylphenol (m&p-cresol)	ND	400	ug/Kg	1	03/16/24	MR	SW8270E
3,3'-Dichlorobenzidine	ND	200	ug/Kg	1	03/16/24	MR	SW8270E
3-Nitroaniline	ND	300	ug/Kg	1	03/16/24	MR	SW8270E
4,6-Dinitro-2-methylphenol	ND	300	ug/Kg	1	03/16/24	MR	SW8270E
4-Bromophenyl phenyl ether	ND	400	ug/Kg	1	03/16/24	MR	SW8270E
4-Chloro-3-methylphenol	ND	280	ug/Kg	1	03/16/24	MR	SW8270E
4-Chloroaniline	ND	200	ug/Kg	1	03/16/24	MR	SW8270E
4-Chlorophenyl phenyl ether	ND	280	ug/Kg	1	03/16/24	MR	SW8270E
4-Nitroaniline	ND	300	ug/Kg	1	03/16/24	MR	SW8270E
4-Nitrophenol	ND	280	ug/Kg	1	03/16/24	MR	SW8270E
Acenaphthene	ND	280	ug/Kg	1	03/16/24	MR	SW8270E
Acenaphthylene	ND	280	ug/Kg	1	03/16/24	MR	SW8270E

Project ID: OLSON DRIVE
Client ID: COMPOSITE 1/2

Phoenix I.D.: CQ26138

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Acetophenone	ND	280	ug/Kg	1	03/16/24	MR	SW8270E
Aniline	ND	200	ug/Kg	1	03/16/24	MR	SW8270E
Anthracene	ND	280	ug/Kg	1	03/16/24	MR	SW8270E
Benz(a)anthracene	300	280	ug/Kg	1	03/16/24	MR	SW8270E
Benzidine	ND	200	ug/Kg	1	03/16/24	MR	SW8270E
Benzo(a)pyrene	360	280	ug/Kg	1	03/16/24	MR	SW8270E
Benzo(b)fluoranthene	500	280	ug/Kg	1	03/16/24	MR	SW8270E
Benzo(ghi)perylene	ND	280	ug/Kg	1	03/16/24	MR	SW8270E
Benzo(k)fluoranthene	ND	280	ug/Kg	1	03/16/24	MR	SW8270E
Benzoic acid	ND	810	ug/Kg	1	03/16/24	MR	SW8270E
Benzyl butyl phthalate	ND	280	ug/Kg	1	03/16/24	MR	SW8270E
Bis(2-chloroethoxy)methane	ND	280	ug/Kg	1	03/16/24	MR	SW8270E
Bis(2-chloroethyl)ether	ND	400	ug/Kg	1	03/16/24	MR	SW8270E
Bis(2-ethylhexyl)phthalate	ND	400	ug/Kg	1	03/16/24	MR	SW8270E
Carbazole	ND	200	ug/Kg	1	03/16/24	MR	SW8270E
Chrysene	340	280	ug/Kg	1	03/16/24	MR	SW8270E
Dibenz(a,h)anthracene	ND	280	ug/Kg	1	03/16/24	MR	SW8270E
Dibenzofuran	ND	200	ug/Kg	1	03/16/24	MR	SW8270E
Diethyl phthalate	ND	280	ug/Kg	1	03/16/24	MR	SW8270E
Dimethylphthalate	ND	280	ug/Kg	1	03/16/24	MR	SW8270E
Di-n-butylphthalate	ND	400	ug/Kg	1	03/16/24	MR	SW8270E
Di-n-octylphthalate	ND	280	ug/Kg	1	03/16/24	MR	SW8270E
Fluoranthene	590	280	ug/Kg	1	03/16/24	MR	SW8270E
Fluorene	ND	280	ug/Kg	1	03/16/24	MR	SW8270E
Hexachlorobenzene	ND	280	ug/Kg	1	03/16/24	MR	SW8270E
Hexachlorobutadiene	ND	200	ug/Kg	1	03/16/24	MR	SW8270E
Hexachlorocyclopentadiene	ND	280	ug/Kg	1	03/16/24	MR	SW8270E
Hexachloroethane	ND	280	ug/Kg	1	03/16/24	MR	SW8270E
Indeno(1,2,3-cd)pyrene	ND	280	ug/Kg	1	03/16/24	MR	SW8270E
Isophorone	ND	280	ug/Kg	1	03/16/24	MR	SW8270E
Naphthalene	ND	280	ug/Kg	1	03/16/24	MR	SW8270E
Nitrobenzene	ND	200	ug/Kg	1	03/16/24	MR	SW8270E
N-Nitrosodimethylamine	ND	200	ug/Kg	1	03/16/24	MR	SW8270E
N-Nitrosodi-n-propylamine	ND	200	ug/Kg	1	03/16/24	MR	SW8270E
N-Nitrosodiphenylamine	ND	200	ug/Kg	1	03/16/24	MR	SW8270E
Pentachloronitrobenzene	ND	140	ug/Kg	1	03/16/24	MR	SW8270E
Pentachlorophenol	ND	400	ug/Kg	1	03/16/24	MR	SW8270E
Phenanthrene	ND	280	ug/Kg	1	03/16/24	MR	SW8270E
Phenol	ND	280	ug/Kg	1	03/16/24	MR	SW8270E
Pyrene	540	280	ug/Kg	1	03/16/24	MR	SW8270E
Pyridine	ND	200	ug/Kg	1	03/16/24	MR	SW8270E
QA/QC Surrogates							
% 2,4,6-Tribromophenol	60		%	1	03/16/24	MR	30 - 130 %
% 2-Fluorobiphenyl	50		%	1	03/16/24	MR	30 - 130 %
% 2-Fluorophenol	52		%	1	03/16/24	MR	30 - 130 %
% Nitrobenzene-d5	51		%	1	03/16/24	MR	30 - 130 %
% Phenol-d5	52		%	1	03/16/24	MR	30 - 130 %
% Terphenyl-d14	52		%	1	03/16/24	MR	30 - 130 %

Project ID: OLSON DRIVE
Client ID: COMPOSITE 1/2

Phoenix I.D.: CQ26138

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
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.

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
April 03, 2024
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

Analysis Report

April 03, 2024

FOR: Attn: Brian Sirowich
Tighe & Bond
213 Court St, Suite 1100
Middletown, CT 06457

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	PA	03/12/24	14:05
Location Code:	TIGHE-DAS	Received by:	LB	03/13/24	16:41
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	105093011				

Laboratory Data

SDG ID: GCQ26127
Phoenix ID: CQ26141

Project ID: OLSON DRIVE
Client ID: COMPOSITE 3/4

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.40	0.40	mg/Kg	1	03/14/24	TH	SW6010D
Arsenic	6.03	0.80	mg/Kg	1	03/14/24	TH	SW6010D
Barium	71.1	0.40	mg/Kg	1	03/14/24	TH	SW6010D
Beryllium	0.48	0.32	mg/Kg	1	03/14/24	TH	SW6010D
Cadmium	1.12	0.40	mg/Kg	1	03/14/24	TH	SW6010D
Chromium	26.6	0.40	mg/Kg	1	03/14/24	TH	SW6010D
Copper	69.1	0.8	mg/kg	1	03/14/24	TH	SW6010D
Mercury	0.12	0.03	mg/Kg	2	03/14/24	ZT	SW7471B
Nickel	16.0	0.40	mg/Kg	1	03/14/24	TH	SW6010D
Lead	92.6	0.40	mg/Kg	1	03/14/24	TH	SW6010D
Antimony	< 4.0	4.0	mg/Kg	1	03/14/24	TH	SW6010D
Selenium	< 1.6	1.6	mg/Kg	1	03/14/24	TH	SW6010D
Thallium	< 3.6	3.6	mg/Kg	1	03/14/24	TH	SW6010D
Vanadium	43.3	0.40	mg/Kg	1	03/14/24	TH	SW6010D
Zinc	131	0.8	mg/Kg	1	03/14/24	TH	SW6010D
Percent Solid	81		%		03/13/24	CV	SW846-%Solid
Field Extraction	Completed				03/12/24		SW5035A
Mercury Digestion	Completed				03/14/24	HL/HL	SW7471B
Extraction of ETPH	Completed				03/14/24	H/AC1/AC	SW3546
Soil Extraction for Herbicide	Completed				03/26/24	P/L/D	SW3546
Soil Extraction for Pesticide	Completed				03/19/24	HL/H/U	SW3546
Soil Extraction for SVOA	Completed				03/14/24	H/HL/HL	SW3546
Extraction for PCB	Completed				03/13/24	R/RB/CV	SW3540C
SPLP Herbicides Extraction	Completed				03/27/24	CV/MQ/D	SW3510C
SPLP Extraction for Organics	Completed				03/26/24	AL	SW1312
SPLP Semivolatiles (SIM) Ext.	Completed				03/27/24	CV/CV	SW3510C/SW3520C
Total Metals Digest	Completed				03/13/24	P/AG/BF	SW3050B

Ver 3

Project ID: OLSON DRIVE
Client ID: COMPOSITE 3/4

Phoenix I.D.: CQ26141

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Chlorinated Herbicides							
2,4,5-T	ND	150	ug/Kg	10	03/27/24	JRB	SW8151A
2,4,5-TP (Silvex)	ND	150	ug/Kg	10	03/27/24	JRB	SW8151A
2,4-D	ND	310	ug/Kg	10	03/27/24	JRB	SW8151A
2,4-DB	ND	3100	ug/Kg	10	03/27/24	JRB	SW8151A
Dalapon	ND	150	ug/Kg	10	03/27/24	JRB	SW8151A
Dicamba	ND	150	ug/Kg	10	03/27/24	JRB	SW8151A
Dichloroprop	ND	310	ug/Kg	10	03/27/24	JRB	SW8151A
Dinoseb	ND	310	ug/Kg	10	03/27/24	JRB	SW8151A
QA/QC Surrogates							
% DCAA	56		%	10	03/27/24	JRB	30 - 150 %
% DCAA (Confirmation)	50		%	10	03/27/24	JRB	30 - 150 %
TPH by GC (Extractable Products)							
Ext. Petroleum H.C. (C9-C36)	ND	310	mg/Kg	5	03/19/24	JRB	CTETPH
Identification	ND		mg/Kg	5	03/19/24	JRB	CTETPH
QA/QC Surrogates							
% COD (surr)	75		%	5	03/19/24	JRB	50 - 150 %
% Terphenyl (surr)	67		%	5	03/19/24	JRB	50 - 150 %
PCB (Soxhlet SW3540C)							
PCB-1016	ND	100	ug/Kg	10	03/14/24	PS	SW8082A
PCB-1221	ND	100	ug/Kg	10	03/14/24	PS	SW8082A
PCB-1232	ND	100	ug/Kg	10	03/14/24	PS	SW8082A
PCB-1242	ND	100	ug/Kg	10	03/14/24	PS	SW8082A
PCB-1248	ND	100	ug/Kg	10	03/14/24	PS	SW8082A
PCB-1254	ND	100	ug/Kg	10	03/14/24	PS	SW8082A
PCB-1260	ND	100	ug/Kg	10	03/14/24	PS	SW8082A
PCB-1262	ND	100	ug/Kg	10	03/14/24	PS	SW8082A
PCB-1268	ND	100	ug/Kg	10	03/14/24	PS	SW8082A
Total PCBs	ND	100	ug/Kg	10	03/14/24	PS	SW8082A
QA/QC Surrogates							
% DCBP	74		%	10	03/14/24	PS	30 - 150 %
% DCBP (Confirmation)	75		%	10	03/14/24	PS	30 - 150 %
% TCMX	67		%	10	03/14/24	PS	30 - 150 %
% TCMX (Confirmation)	68		%	10	03/14/24	PS	30 - 150 %
Pesticides							
4,4' -DDD	ND	1.6	ug/Kg	2	03/20/24	AW	SW8081B
4,4' -DDE	21	8.2	ug/Kg	2	03/20/24	AW	SW8081B
4,4' -DDT	9.7	8.2	ug/Kg	2	03/20/24	AW	SW8081B
a-BHC	ND	1.6	ug/Kg	2	03/20/24	AW	SW8081B
Alachlor	ND	8.2	ug/Kg	2	03/20/24	AW	SW8081B
Aldrin	ND	1.6	ug/Kg	2	03/20/24	AW	SW8081B
b-BHC	ND	1.6	ug/Kg	2	03/20/24	AW	SW8081B
Chlordane	68	41	ug/Kg	2	03/20/24	AW	SW8081B
d-BHC	ND	1.6	ug/Kg	2	03/20/24	AW	SW8081B
Dieldrin	ND	4.1	ug/Kg	2	03/20/24	AW	SW8081B
Endosulfan I	ND	8.2	ug/Kg	2	03/20/24	AW	SW8081B

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Endosulfan II	ND	8.2	ug/Kg	2	03/20/24	AW	SW8081B
Endosulfan sulfate	ND	8.2	ug/Kg	2	03/20/24	AW	SW8081B
Endrin	ND	8.2	ug/Kg	2	03/20/24	AW	SW8081B
Endrin aldehyde	ND	8.2	ug/Kg	2	03/20/24	AW	SW8081B
Endrin ketone	ND	8.2	ug/Kg	2	03/20/24	AW	SW8081B
g-BHC	ND	1.6	ug/Kg	2	03/20/24	AW	SW8081B
Heptachlor	ND	8.2	ug/Kg	2	03/20/24	AW	SW8081B
Heptachlor epoxide	ND	8.2	ug/Kg	2	03/20/24	AW	SW8081B
Methoxychlor	ND	41	ug/Kg	2	03/20/24	AW	SW8081B
Toxaphene	ND	160	ug/Kg	2	03/20/24	AW	SW8081B
QA/QC Surrogates							
% DCBP	64		%	2	03/20/24	AW	30 - 150 %
% DCBP (Confirmation)	83		%	2	03/20/24	AW	30 - 150 %
% TCMX	56		%	2	03/20/24	AW	30 - 150 %
% TCMX (Confirmation)	53		%	2	03/20/24	AW	30 - 150 %
SPLP Herbicides							
2,4,5-TP (Silvex)	ND	0.26	ug/L	1	03/28/24	JRB	SW8151A
2,4-D	ND	0.53	ug/L	1	03/28/24	JRB	SW8151A
QA/QC Surrogates							
% DCAA (Surrogate Rec)	56		%	1	03/28/24	JRB	30 - 150 %
% DCAA (Surrogate Rec) (Confirmation)	101		%	1	03/28/24	JRB	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.7	ug/Kg	1	03/14/24	JLI	SW8260D
1,1,1-Trichloroethane	ND	5.7	ug/Kg	1	03/14/24	JLI	SW8260D
1,1,2,2-Tetrachloroethane	ND	3.4	ug/Kg	1	03/14/24	JLI	SW8260D
1,1,2-Trichloroethane	ND	5.7	ug/Kg	1	03/14/24	JLI	SW8260D
1,1-Dichloroethane	ND	5.7	ug/Kg	1	03/14/24	JLI	SW8260D
1,1-Dichloroethene	ND	5.7	ug/Kg	1	03/14/24	JLI	SW8260D
1,1-Dichloropropene	ND	5.7	ug/Kg	1	03/14/24	JLI	SW8260D
1,2,3-Trichlorobenzene	ND	5.7	ug/Kg	1	03/14/24	JLI	SW8260D
1,2,3-Trichloropropane	ND	5.7	ug/Kg	1	03/14/24	JLI	SW8260D
1,2,4-Trichlorobenzene	ND	5.7	ug/Kg	1	03/14/24	JLI	SW8260D
1,2,4-Trimethylbenzene	ND	5.7	ug/Kg	1	03/14/24	JLI	SW8260D
1,2-Dibromo-3-chloropropane	ND	5.0	ug/Kg	1	03/14/24	JLI	SW8260D
1,2-Dibromoethane	ND	0.57	ug/Kg	1	03/14/24	JLI	SW8260D
1,2-Dichlorobenzene	ND	5.7	ug/Kg	1	03/14/24	JLI	SW8260D
1,2-Dichloroethane	ND	5.7	ug/Kg	1	03/14/24	JLI	SW8260D
1,2-Dichloropropane	ND	5.7	ug/Kg	1	03/14/24	JLI	SW8260D
1,3,5-Trimethylbenzene	ND	5.7	ug/Kg	1	03/14/24	JLI	SW8260D
1,3-Dichlorobenzene	ND	5.7	ug/Kg	1	03/14/24	JLI	SW8260D
1,3-Dichloropropane	ND	5.7	ug/Kg	1	03/14/24	JLI	SW8260D
1,4-Dichlorobenzene	ND	5.7	ug/Kg	1	03/14/24	JLI	SW8260D
2,2-Dichloropropane	ND	5.7	ug/Kg	1	03/14/24	JLI	SW8260D
2-Chlorotoluene	ND	5.7	ug/Kg	1	03/14/24	JLI	SW8260D
2-Hexanone	ND	28	ug/Kg	1	03/14/24	JLI	SW8260D
2-Isopropyltoluene	ND	5.7	ug/Kg	1	03/14/24	JLI	SW8260D
4-Chlorotoluene	ND	5.7	ug/Kg	1	03/14/24	JLI	SW8260D
4-Methyl-2-pentanone	ND	28	ug/Kg	1	03/14/24	JLI	SW8260D

Project ID: OLSON DRIVE
Client ID: COMPOSITE 3/4

Phoenix I.D.: CQ26141

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Acetone	ND	280	ug/Kg	1	03/14/24	JLI	SW8260D
Acrylonitrile	ND	5.7	ug/Kg	1	03/14/24	JLI	SW8260D
Benzene	ND	5.7	ug/Kg	1	03/14/24	JLI	SW8260D
Bromobenzene	ND	5.7	ug/Kg	1	03/14/24	JLI	SW8260D
Bromochloromethane	ND	5.7	ug/Kg	1	03/14/24	JLI	SW8260D
Bromodichloromethane	ND	5.7	ug/Kg	1	03/14/24	JLI	SW8260D
Bromoform	ND	5.7	ug/Kg	1	03/14/24	JLI	SW8260D
Bromomethane	ND	5.7	ug/Kg	1	03/14/24	JLI	SW8260D
Carbon Disulfide	ND	5.7	ug/Kg	1	03/14/24	JLI	SW8260D
Carbon tetrachloride	ND	5.7	ug/Kg	1	03/14/24	JLI	SW8260D
Chlorobenzene	ND	5.7	ug/Kg	1	03/14/24	JLI	SW8260D
Chloroethane	ND	5.7	ug/Kg	1	03/14/24	JLI	SW8260D
Chloroform	ND	5.7	ug/Kg	1	03/14/24	JLI	SW8260D
Chloromethane	ND	5.7	ug/Kg	1	03/14/24	JLI	SW8260D
cis-1,2-Dichloroethene	ND	5.7	ug/Kg	1	03/14/24	JLI	SW8260D
cis-1,3-Dichloropropene	ND	5.7	ug/Kg	1	03/14/24	JLI	SW8260D
Dibromochloromethane	ND	3.4	ug/Kg	1	03/14/24	JLI	SW8260D
Dibromomethane	ND	5.7	ug/Kg	1	03/14/24	JLI	SW8260D
Dichlorodifluoromethane	ND	5.7	ug/Kg	1	03/14/24	JLI	SW8260D
Ethylbenzene	ND	5.7	ug/Kg	1	03/14/24	JLI	SW8260D
Hexachlorobutadiene	ND	5.7	ug/Kg	1	03/14/24	JLI	SW8260D
Isopropylbenzene	ND	5.7	ug/Kg	1	03/14/24	JLI	SW8260D
m&p-Xylene	ND	5.7	ug/Kg	1	03/14/24	JLI	SW8260D
Methyl Ethyl Ketone	ND	34	ug/Kg	1	03/14/24	JLI	SW8260D
Methyl t-butyl ether (MTBE)	ND	11	ug/Kg	1	03/14/24	JLI	SW8260D
Methylene chloride	ND	11	ug/Kg	1	03/14/24	JLI	SW8260D
Naphthalene	ND	5.7	ug/Kg	1	03/14/24	JLI	SW8260D
n-Butylbenzene	ND	5.7	ug/Kg	1	03/14/24	JLI	SW8260D
n-Propylbenzene	ND	5.7	ug/Kg	1	03/14/24	JLI	SW8260D
o-Xylene	ND	5.7	ug/Kg	1	03/14/24	JLI	SW8260D
p-Isopropyltoluene	ND	5.7	ug/Kg	1	03/14/24	JLI	SW8260D
sec-Butylbenzene	ND	5.7	ug/Kg	1	03/14/24	JLI	SW8260D
Styrene	ND	5.7	ug/Kg	1	03/14/24	JLI	SW8260D
tert-Butylbenzene	ND	5.7	ug/Kg	1	03/14/24	JLI	SW8260D
Tetrachloroethene	ND	5.7	ug/Kg	1	03/14/24	JLI	SW8260D
Tetrahydrofuran (THF)	ND	11	ug/Kg	1	03/14/24	JLI	SW8260D
Toluene	ND	5.7	ug/Kg	1	03/14/24	JLI	SW8260D
Total Xylenes	ND	5.7	ug/Kg	1	03/14/24	JLI	SW8260D
trans-1,2-Dichloroethene	ND	5.7	ug/Kg	1	03/14/24	JLI	SW8260D
trans-1,3-Dichloropropene	ND	5.7	ug/Kg	1	03/14/24	JLI	SW8260D
trans-1,4-dichloro-2-butene	ND	11	ug/Kg	1	03/14/24	JLI	SW8260D
Trichloroethene	ND	5.7	ug/Kg	1	03/14/24	JLI	SW8260D
Trichlorofluoromethane	ND	5.7	ug/Kg	1	03/14/24	JLI	SW8260D
Trichlorotrifluoroethane	ND	11	ug/Kg	1	03/14/24	JLI	SW8260D
Vinyl chloride	ND	5.7	ug/Kg	1	03/14/24	JLI	SW8260D
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	95		%	1	03/14/24	JLI	70 - 130 %
% Bromofluorobenzene	92		%	1	03/14/24	JLI	70 - 130 %
% Dibromofluoromethane	114		%	1	03/14/24	JLI	70 - 130 %

Project ID: OLSON DRIVE
Client ID: COMPOSITE 3/4

Phoenix I.D.: CQ26141

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	90		%	1	03/14/24	JLI	70 - 130 %
Semivolatiles							
1,2,4,5-Tetrachlorobenzene	ND	100	ug/Kg	1	03/16/24	MR	SW8270E
1,2,4-Trichlorobenzene	ND	280	ug/Kg	1	03/16/24	MR	SW8270E
1,2-Dichlorobenzene	ND	280	ug/Kg	1	03/16/24	MR	SW8270E
1,2-Diphenylhydrazine	ND	200	ug/Kg	1	03/16/24	MR	SW8270E
1,3-Dichlorobenzene	ND	280	ug/Kg	1	03/16/24	MR	SW8270E
1,4-Dichlorobenzene	ND	280	ug/Kg	1	03/16/24	MR	SW8270E
2,2'-Oxybis(1-Chloropropane)	ND	280	ug/Kg	1	03/16/24	MR	SW8270E
2,4,5-Trichlorophenol	ND	280	ug/Kg	1	03/16/24	MR	SW8270E
2,4,6-Trichlorophenol	ND	200	ug/Kg	1	03/16/24	MR	SW8270E
2,4-Dichlorophenol	ND	280	ug/Kg	1	03/16/24	MR	SW8270E
2,4-Dimethylphenol	ND	280	ug/Kg	1	03/16/24	MR	SW8270E
2,4-Dinitrophenol	ND	300	ug/Kg	1	03/16/24	MR	SW8270E
2,4-Dinitrotoluene	ND	200	ug/Kg	1	03/16/24	MR	SW8270E
2,6-Dinitrotoluene	ND	200	ug/Kg	1	03/16/24	MR	SW8270E
2-Chloronaphthalene	ND	280	ug/Kg	1	03/16/24	MR	SW8270E
2-Chlorophenol	ND	280	ug/Kg	1	03/16/24	MR	SW8270E
2-Methylnaphthalene	ND	280	ug/Kg	1	03/16/24	MR	SW8270E
2-Methylphenol (o-cresol)	ND	280	ug/Kg	1	03/16/24	MR	SW8270E
2-Nitroaniline	ND	300	ug/Kg	1	03/16/24	MR	SW8270E
2-Nitrophenol	ND	280	ug/Kg	1	03/16/24	MR	SW8270E
3&4-Methylphenol (m&p-cresol)	ND	400	ug/Kg	1	03/16/24	MR	SW8270E
3,3'-Dichlorobenzidine	ND	200	ug/Kg	1	03/16/24	MR	SW8270E
3-Nitroaniline	ND	300	ug/Kg	1	03/16/24	MR	SW8270E
4,6-Dinitro-2-methylphenol	ND	300	ug/Kg	1	03/16/24	MR	SW8270E
4-Bromophenyl phenyl ether	ND	400	ug/Kg	1	03/16/24	MR	SW8270E
4-Chloro-3-methylphenol	ND	280	ug/Kg	1	03/16/24	MR	SW8270E
4-Chloroaniline	ND	200	ug/Kg	1	03/16/24	MR	SW8270E
4-Chlorophenyl phenyl ether	ND	280	ug/Kg	1	03/16/24	MR	SW8270E
4-Nitroaniline	ND	300	ug/Kg	1	03/16/24	MR	SW8270E
4-Nitrophenol	ND	280	ug/Kg	1	03/16/24	MR	SW8270E
Acenaphthene	ND	280	ug/Kg	1	03/16/24	MR	SW8270E
Acenaphthylene	ND	280	ug/Kg	1	03/16/24	MR	SW8270E
Acetophenone	ND	280	ug/Kg	1	03/16/24	MR	SW8270E
Aniline	ND	200	ug/Kg	1	03/16/24	MR	SW8270E
Anthracene	ND	280	ug/Kg	1	03/16/24	MR	SW8270E
Benz(a)anthracene	660	280	ug/Kg	1	03/16/24	MR	SW8270E
Benzidine	ND	200	ug/Kg	1	03/16/24	MR	SW8270E
Benzo(a)pyrene	770	280	ug/Kg	1	03/16/24	MR	SW8270E
Benzo(b)fluoranthene	1100	280	ug/Kg	1	03/16/24	MR	SW8270E
Benzo(ghi)perylene	440	280	ug/Kg	1	03/16/24	MR	SW8270E
Benzo(k)fluoranthene	410	280	ug/Kg	1	03/16/24	MR	SW8270E
Benzoic acid	ND	800	ug/Kg	1	03/16/24	MR	SW8270E
Benzyl butyl phthalate	ND	280	ug/Kg	1	03/16/24	MR	SW8270E
Bis(2-chloroethoxy)methane	ND	280	ug/Kg	1	03/16/24	MR	SW8270E
Bis(2-chloroethyl)ether	ND	400	ug/Kg	1	03/16/24	MR	SW8270E
Bis(2-ethylhexyl)phthalate	ND	400	ug/Kg	1	03/16/24	MR	SW8270E
Carbazole	ND	200	ug/Kg	1	03/16/24	MR	SW8270E

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Chrysene	810	280	ug/Kg	1	03/16/24	MR	SW8270E
Dibenz(a,h)anthracene	ND	280	ug/Kg	1	03/16/24	MR	SW8270E
Dibenzofuran	ND	200	ug/Kg	1	03/16/24	MR	SW8270E
Diethyl phthalate	ND	280	ug/Kg	1	03/16/24	MR	SW8270E
Dimethylphthalate	ND	280	ug/Kg	1	03/16/24	MR	SW8270E
Di-n-butylphthalate	ND	400	ug/Kg	1	03/16/24	MR	SW8270E
Di-n-octylphthalate	ND	280	ug/Kg	1	03/16/24	MR	SW8270E
Fluoranthene	1500	280	ug/Kg	1	03/16/24	MR	SW8270E
Fluorene	ND	280	ug/Kg	1	03/16/24	MR	SW8270E
Hexachlorobenzene	ND	280	ug/Kg	1	03/16/24	MR	SW8270E
Hexachlorobutadiene	ND	200	ug/Kg	1	03/16/24	MR	SW8270E
Hexachlorocyclopentadiene	ND	280	ug/Kg	1	03/16/24	MR	SW8270E
Hexachloroethane	ND	280	ug/Kg	1	03/16/24	MR	SW8270E
Indeno(1,2,3-cd)pyrene	530	280	ug/Kg	1	03/16/24	MR	SW8270E
Isophorone	ND	280	ug/Kg	1	03/16/24	MR	SW8270E
Naphthalene	ND	280	ug/Kg	1	03/16/24	MR	SW8270E
Nitrobenzene	ND	200	ug/Kg	1	03/16/24	MR	SW8270E
N-Nitrosodimethylamine	ND	200	ug/Kg	1	03/16/24	MR	SW8270E
N-Nitrosodi-n-propylamine	ND	200	ug/Kg	1	03/16/24	MR	SW8270E
N-Nitrosodiphenylamine	ND	200	ug/Kg	1	03/16/24	MR	SW8270E
Pentachloronitrobenzene	ND	140	ug/Kg	1	03/16/24	MR	SW8270E
Pentachlorophenol	ND	400	ug/Kg	1	03/16/24	MR	SW8270E
Phenanthrene	480	280	ug/Kg	1	03/16/24	MR	SW8270E
Phenol	ND	280	ug/Kg	1	03/16/24	MR	SW8270E
Pyrene	1200	280	ug/Kg	1	03/16/24	MR	SW8270E
Pyridine	ND	200	ug/Kg	1	03/16/24	MR	SW8270E
QA/QC Surrogates							
% 2,4,6-Tribromophenol	64		%	1	03/16/24	MR	30 - 130 %
% 2-Fluorobiphenyl	54		%	1	03/16/24	MR	30 - 130 %
% 2-Fluorophenol	56		%	1	03/16/24	MR	30 - 130 %
% Nitrobenzene-d5	54		%	1	03/16/24	MR	30 - 130 %
% Phenol-d5	55		%	1	03/16/24	MR	30 - 130 %
% Terphenyl-d14	56		%	1	03/16/24	MR	30 - 130 %

SPLP Semivolatiles by SIM

2-Methylnaphthalene	ND	0.52	ug/L	1	03/27/24	MR	SW8270E (SIM)
Acenaphthene	ND	0.52	ug/L	1	03/27/24	MR	SW8270E (SIM)
Acenaphthylene	ND	0.31	ug/L	1	03/27/24	MR	SW8270E (SIM)
Anthracene	ND	0.52	ug/L	1	03/27/24	MR	SW8270E (SIM)
Benz(a)anthracene	ND	0.05	ug/L	1	03/27/24	MR	SW8270E (SIM)
Benzo(a)pyrene	ND	0.21	ug/L	1	03/27/24	MR	SW8270E (SIM)
Benzo(b)fluoranthene	ND	0.07	ug/L	1	03/27/24	MR	SW8270E (SIM)
Benzo(ghi)perylene	ND	0.49	ug/L	1	03/27/24	MR	SW8270E (SIM)
Benzo(k)fluoranthene	ND	0.31	ug/L	1	03/27/24	MR	SW8270E (SIM)
Chrysene	ND	0.52	ug/L	1	03/27/24	MR	SW8270E (SIM)
Dibenz(a,h)anthracene	ND	0.10	ug/L	1	03/27/24	MR	SW8270E (SIM)
Fluoranthene	ND	0.52	ug/L	1	03/27/24	MR	SW8270E (SIM)
Fluorene	ND	0.52	ug/L	1	03/27/24	MR	SW8270E (SIM)
Indeno(1,2,3-cd)pyrene	ND	0.10	ug/L	1	03/27/24	MR	SW8270E (SIM)
Naphthalene	ND	0.52	ug/L	1	03/27/24	MR	SW8270E (SIM)

Project ID: OLSON DRIVE
Client ID: COMPOSITE 3/4

Phoenix I.D.: CQ26141

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Phenanthrene	0.07	0.06	ug/L	1	03/27/24	MR	SW8270E (SIM)
Pyrene	ND	0.52	ug/L	1	03/27/24	MR	SW8270E (SIM)
QA/QC Surrogates							
% 2-Fluorobiphenyl	66		%	1	03/27/24	MR	30 - 130 %
% Nitrobenzene-d5	77		%	1	03/27/24	MR	30 - 130 %
% Terphenyl-d14	80		%	1	03/27/24	MR	30 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
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.

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

April 03, 2024

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

Analysis Report

April 03, 2024

FOR: Attn: Brian Sirowich
Tighe & Bond
213 Court St, Suite 1100
Middletown, CT 06457

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	PA	03/12/24	14:40
Location Code:	TIGHE-DAS	Received by:	LB	03/13/24	16:41
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	105093011				

Laboratory Data

SDG ID: GCQ26127
Phoenix ID: CQ26144

Project ID: OLSON DRIVE
Client ID: COMPOSITE 5/6

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.42	0.42	mg/Kg	1	03/14/24	TH	SW6010D
Arsenic	6.04	0.85	mg/Kg	1	03/14/24	TH	SW6010D
Barium	67.3	0.42	mg/Kg	1	03/14/24	TH	SW6010D
Beryllium	0.48	0.34	mg/Kg	1	03/14/24	TH	SW6010D
Cadmium	1.08	0.42	mg/Kg	1	03/14/24	TH	SW6010D
Chromium	18.4	0.42	mg/Kg	1	03/14/24	TH	SW6010D
Copper	104	0.8	mg/kg	1	03/14/24	TH	SW6010D
Mercury	0.11	0.03	mg/Kg	2	03/14/24	ZT	SW7471B
Nickel	19.7	0.42	mg/Kg	1	03/14/24	TH	SW6010D
Lead	98.8	0.42	mg/Kg	1	03/14/24	TH	SW6010D
Antimony	< 4.2	4.2	mg/Kg	1	03/14/24	TH	SW6010D
Selenium	< 1.7	1.7	mg/Kg	1	03/14/24	TH	SW6010D
SPLP Arsenic	< 0.004	0.004	mg/L	1	03/27/24	TH	SW6010D
SPLP Barium	0.010	0.010	mg/L	1	03/27/24	TH	SW6010D
SPLP Beryllium	< 0.001	0.001	mg/L	1	03/27/24	TH	SW6010D
SPLP Copper	0.012	0.010	mg/L	1	03/27/24	TH	SW6010D
SPLP Vanadium	< 0.010	0.010	mg/L	1	03/27/24	TH	SW6010D
Thallium	< 3.8	3.8	mg/Kg	1	03/14/24	TH	SW6010D
SPLP Metals Digestion	Completed				03/27/24	AL/HL	SW3010A
Vanadium	32.5	0.42	mg/Kg	1	03/14/24	TH	SW6010D
Zinc	130	0.8	mg/Kg	1	03/14/24	TH	SW6010D
Percent Solid	83		%		03/13/24	CV	SW846-%Solid
Field Extraction	Completed				03/12/24		SW5035A
Mercury Digestion	Completed				03/14/24	HL/HL	SW7471B
Extraction of ETPH	Completed				03/14/24	H/AC1/AC	SW3546
Soil Extraction for Pesticide	Completed				03/19/24	HL/H/U	SW3546
Soil Extraction for SVOA	Completed				03/14/24	H/HL/HL	SW3546

Ver 3

Project ID: OLSON DRIVE
Client ID: COMPOSITE 5/6

Phoenix I.D.: CQ26144

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Extraction for PCB	Completed				03/13/24	R/RB/CV	SW3540C
SPLP Extraction for Metals	Completed				03/26/24	AL	SW1312
SPLP Extraction for Organics	Completed				03/26/24	AL	SW1312
SPLP Semivolatiles (SIM) Ext.	Completed				03/27/24	CV/CV	SW3510C/SW3520C
SPLP Pesticides Ext.	Completed				03/27/24	CV/CV	SW3510C
Total Metals Digest	Completed				03/13/24	P/AG/BF	SW3050B
TPH by GC (Extractable Products)							
Ext. Petroleum H.C. (C9-C36)	ND	290	mg/Kg	5	03/19/24	JRB	CTETPH
Identification	ND		mg/Kg	5	03/19/24	JRB	CTETPH
QA/QC Surrogates							
% COD (surr)	117		%	5	03/19/24	JRB	50 - 150 %
% Terphenyl (surr)	60		%	5	03/19/24	JRB	50 - 150 %
PCB (Soxhlet SW3540C)							
PCB-1016	ND	100	ug/Kg	10	03/14/24	PS	SW8082A
PCB-1221	ND	100	ug/Kg	10	03/14/24	PS	SW8082A
PCB-1232	ND	100	ug/Kg	10	03/14/24	PS	SW8082A
PCB-1242	ND	100	ug/Kg	10	03/14/24	PS	SW8082A
PCB-1248	ND	100	ug/Kg	10	03/14/24	PS	SW8082A
PCB-1254	ND	100	ug/Kg	10	03/14/24	PS	SW8082A
PCB-1260	ND	100	ug/Kg	10	03/14/24	PS	SW8082A
PCB-1262	ND	100	ug/Kg	10	03/14/24	PS	SW8082A
PCB-1268	ND	100	ug/Kg	10	03/14/24	PS	SW8082A
Total PCBs	ND	100	ug/Kg	10	03/14/24	PS	SW8082A
QA/QC Surrogates							
% DCBP	85		%	10	03/14/24	PS	30 - 150 %
% DCBP (Confirmation)	87		%	10	03/14/24	PS	30 - 150 %
% TCMX	77		%	10	03/14/24	PS	30 - 150 %
% TCMX (Confirmation)	79		%	10	03/14/24	PS	30 - 150 %
Pesticides							
4,4' -DDD	5.2	1.6	ug/Kg	2	03/20/24	AW	SW8081B
4,4' -DDE	17	8.0	ug/Kg	2	03/20/24	AW	SW8081B
4,4' -DDT	11	8.0	ug/Kg	2	03/20/24	AW	SW8081B
a-BHC	ND	1.6	ug/Kg	2	03/20/24	AW	SW8081B
Alachlor	ND	8.0	ug/Kg	2	03/20/24	AW	SW8081B
Aldrin	ND	1.6	ug/Kg	2	03/20/24	AW	SW8081B
b-BHC	ND	1.6	ug/Kg	2	03/20/24	AW	SW8081B
Chlordane	97	40	ug/Kg	2	03/20/24	AW	SW8081B
d-BHC	ND	1.6	ug/Kg	2	03/20/24	AW	SW8081B
Dieldrin	ND	4.0	ug/Kg	2	03/20/24	AW	SW8081B
Endosulfan I	ND	8.0	ug/Kg	2	03/20/24	AW	SW8081B
Endosulfan II	ND	8.0	ug/Kg	2	03/20/24	AW	SW8081B
Endosulfan sulfate	ND	8.0	ug/Kg	2	03/20/24	AW	SW8081B
Endrin	ND	8.0	ug/Kg	2	03/20/24	AW	SW8081B
Endrin aldehyde	ND	8.0	ug/Kg	2	03/20/24	AW	SW8081B
Endrin ketone	ND	8.0	ug/Kg	2	03/20/24	AW	SW8081B
g-BHC	ND	1.6	ug/Kg	2	03/20/24	AW	SW8081B
Heptachlor	ND	8.0	ug/Kg	2	03/20/24	AW	SW8081B

Project ID: OLSON DRIVE
Client ID: COMPOSITE 5/6

Phoenix I.D.: CQ26144

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Heptachlor epoxide	ND	8.0	ug/Kg	2	03/20/24	AW	SW8081B
Methoxychlor	ND	40	ug/Kg	2	03/20/24	AW	SW8081B
Toxaphene	ND	160	ug/Kg	2	03/20/24	AW	SW8081B
QA/QC Surrogates							
% DCBP	100		%	2	03/20/24	AW	30 - 150 %
% DCBP (Confirmation)	79		%	2	03/20/24	AW	30 - 150 %
% TCMX	65		%	2	03/20/24	AW	30 - 150 %
% TCMX (Confirmation)	72		%	2	03/20/24	AW	30 - 150 %
SPLP Pesticides							
4,4' -DDT	ND	0.006	ug/L	1	03/27/24	AW	SW8081B
Chlordane	ND	0.055	ug/L	1	03/27/24	AW	SW8081B
QA/QC Surrogates							
%DCBP (Surrogate Rec)	73		%	1	03/27/24	AW	30 - 150 %
%DCBP (Surrogate Rec) (Confirmation)	76		%	1	03/27/24	AW	30 - 150 %
%TCMX (Surrogate Rec)	65		%	1	03/27/24	AW	30 - 150 %
%TCMX (Surrogate Rec) (Confirmation)	73		%	1	03/27/24	AW	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	6.1	ug/Kg	1	03/14/24	JLI	SW8260D
1,1,1-Trichloroethane	ND	6.1	ug/Kg	1	03/14/24	JLI	SW8260D
1,1,2,2-Tetrachloroethane	ND	3.7	ug/Kg	1	03/14/24	JLI	SW8260D
1,1,2-Trichloroethane	ND	6.1	ug/Kg	1	03/14/24	JLI	SW8260D
1,1-Dichloroethane	ND	6.1	ug/Kg	1	03/14/24	JLI	SW8260D
1,1-Dichloroethene	ND	6.1	ug/Kg	1	03/14/24	JLI	SW8260D
1,1-Dichloropropene	ND	6.1	ug/Kg	1	03/14/24	JLI	SW8260D
1,2,3-Trichlorobenzene	ND	6.1	ug/Kg	1	03/14/24	JLI	SW8260D
1,2,3-Trichloropropane	ND	6.1	ug/Kg	1	03/14/24	JLI	SW8260D
1,2,4-Trichlorobenzene	ND	6.1	ug/Kg	1	03/14/24	JLI	SW8260D
1,2,4-Trimethylbenzene	ND	6.1	ug/Kg	1	03/14/24	JLI	SW8260D
1,2-Dibromo-3-chloropropane	ND	5.0	ug/Kg	1	03/14/24	JLI	SW8260D
1,2-Dibromoethane	ND	0.61	ug/Kg	1	03/14/24	JLI	SW8260D
1,2-Dichlorobenzene	ND	6.1	ug/Kg	1	03/14/24	JLI	SW8260D
1,2-Dichloroethane	ND	6.1	ug/Kg	1	03/14/24	JLI	SW8260D
1,2-Dichloropropane	ND	6.1	ug/Kg	1	03/14/24	JLI	SW8260D
1,3,5-Trimethylbenzene	ND	6.1	ug/Kg	1	03/14/24	JLI	SW8260D
1,3-Dichlorobenzene	ND	6.1	ug/Kg	1	03/14/24	JLI	SW8260D
1,3-Dichloropropane	ND	6.1	ug/Kg	1	03/14/24	JLI	SW8260D
1,4-Dichlorobenzene	ND	6.1	ug/Kg	1	03/14/24	JLI	SW8260D
2,2-Dichloropropane	ND	6.1	ug/Kg	1	03/14/24	JLI	SW8260D
2-Chlorotoluene	ND	6.1	ug/Kg	1	03/14/24	JLI	SW8260D
2-Hexanone	ND	30	ug/Kg	1	03/14/24	JLI	SW8260D
2-Isopropyltoluene	ND	6.1	ug/Kg	1	03/14/24	JLI	SW8260D
4-Chlorotoluene	ND	6.1	ug/Kg	1	03/14/24	JLI	SW8260D
4-Methyl-2-pentanone	ND	30	ug/Kg	1	03/14/24	JLI	SW8260D
Acetone	ND	300	ug/Kg	1	03/14/24	JLI	SW8260D
Acrylonitrile	ND	6.1	ug/Kg	1	03/14/24	JLI	SW8260D
Benzene	ND	6.1	ug/Kg	1	03/14/24	JLI	SW8260D
Bromobenzene	ND	6.1	ug/Kg	1	03/14/24	JLI	SW8260D
Bromochloromethane	ND	6.1	ug/Kg	1	03/14/24	JLI	SW8260D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Bromodichloromethane	ND	6.1	ug/Kg	1	03/14/24	JLI	SW8260D
Bromoform	ND	6.1	ug/Kg	1	03/14/24	JLI	SW8260D
Bromomethane	ND	6.1	ug/Kg	1	03/14/24	JLI	SW8260D
Carbon Disulfide	ND	6.1	ug/Kg	1	03/14/24	JLI	SW8260D
Carbon tetrachloride	ND	6.1	ug/Kg	1	03/14/24	JLI	SW8260D
Chlorobenzene	ND	6.1	ug/Kg	1	03/14/24	JLI	SW8260D
Chloroethane	ND	6.1	ug/Kg	1	03/14/24	JLI	SW8260D
Chloroform	ND	6.1	ug/Kg	1	03/14/24	JLI	SW8260D
Chloromethane	ND	6.1	ug/Kg	1	03/14/24	JLI	SW8260D
cis-1,2-Dichloroethene	ND	6.1	ug/Kg	1	03/14/24	JLI	SW8260D
cis-1,3-Dichloropropene	ND	6.1	ug/Kg	1	03/14/24	JLI	SW8260D
Dibromochloromethane	ND	3.7	ug/Kg	1	03/14/24	JLI	SW8260D
Dibromomethane	ND	6.1	ug/Kg	1	03/14/24	JLI	SW8260D
Dichlorodifluoromethane	ND	6.1	ug/Kg	1	03/14/24	JLI	SW8260D
Ethylbenzene	ND	6.1	ug/Kg	1	03/14/24	JLI	SW8260D
Hexachlorobutadiene	ND	6.1	ug/Kg	1	03/14/24	JLI	SW8260D
Isopropylbenzene	ND	6.1	ug/Kg	1	03/14/24	JLI	SW8260D
m&p-Xylene	ND	6.1	ug/Kg	1	03/14/24	JLI	SW8260D
Methyl Ethyl Ketone	ND	37	ug/Kg	1	03/14/24	JLI	SW8260D
Methyl t-butyl ether (MTBE)	ND	12	ug/Kg	1	03/14/24	JLI	SW8260D
Methylene chloride	ND	12	ug/Kg	1	03/14/24	JLI	SW8260D
Naphthalene	ND	6.1	ug/Kg	1	03/14/24	JLI	SW8260D
n-Butylbenzene	ND	6.1	ug/Kg	1	03/14/24	JLI	SW8260D
n-Propylbenzene	ND	6.1	ug/Kg	1	03/14/24	JLI	SW8260D
o-Xylene	ND	6.1	ug/Kg	1	03/14/24	JLI	SW8260D
p-Isopropyltoluene	ND	6.1	ug/Kg	1	03/14/24	JLI	SW8260D
sec-Butylbenzene	ND	6.1	ug/Kg	1	03/14/24	JLI	SW8260D
Styrene	ND	6.1	ug/Kg	1	03/14/24	JLI	SW8260D
tert-Butylbenzene	ND	6.1	ug/Kg	1	03/14/24	JLI	SW8260D
Tetrachloroethene	ND	6.1	ug/Kg	1	03/14/24	JLI	SW8260D
Tetrahydrofuran (THF)	ND	12	ug/Kg	1	03/14/24	JLI	SW8260D
Toluene	ND	6.1	ug/Kg	1	03/14/24	JLI	SW8260D
Total Xylenes	ND	6.1	ug/Kg	1	03/14/24	JLI	SW8260D
trans-1,2-Dichloroethene	ND	6.1	ug/Kg	1	03/14/24	JLI	SW8260D
trans-1,3-Dichloropropene	ND	6.1	ug/Kg	1	03/14/24	JLI	SW8260D
trans-1,4-dichloro-2-butene	ND	12	ug/Kg	1	03/14/24	JLI	SW8260D
Trichloroethene	ND	6.1	ug/Kg	1	03/14/24	JLI	SW8260D
Trichlorofluoromethane	ND	6.1	ug/Kg	1	03/14/24	JLI	SW8260D
Trichlorotrifluoroethane	ND	12	ug/Kg	1	03/14/24	JLI	SW8260D
Vinyl chloride	ND	6.1	ug/Kg	1	03/14/24	JLI	SW8260D
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	93		%	1	03/14/24	JLI	70 - 130 %
% Bromofluorobenzene	91		%	1	03/14/24	JLI	70 - 130 %
% Dibromofluoromethane	122		%	1	03/14/24	JLI	70 - 130 %
% Toluene-d8	93		%	1	03/14/24	JLI	70 - 130 %
Semivolatiles							
1,2,4,5-Tetrachlorobenzene	ND	100	ug/Kg	1	03/16/24	MR	SW8270E
1,2,4-Trichlorobenzene	ND	280	ug/Kg	1	03/16/24	MR	SW8270E
1,2-Dichlorobenzene	ND	280	ug/Kg	1	03/16/24	MR	SW8270E

Project ID: OLSON DRIVE
Client ID: COMPOSITE 5/6

Phoenix I.D.: CQ26144

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
1,2-Diphenylhydrazine	ND	200	ug/Kg	1	03/16/24	MR	SW8270E
1,3-Dichlorobenzene	ND	280	ug/Kg	1	03/16/24	MR	SW8270E
1,4-Dichlorobenzene	ND	280	ug/Kg	1	03/16/24	MR	SW8270E
2,2'-Oxybis(1-Chloropropane)	ND	280	ug/Kg	1	03/16/24	MR	SW8270E
2,4,5-Trichlorophenol	ND	280	ug/Kg	1	03/16/24	MR	SW8270E
2,4,6-Trichlorophenol	ND	200	ug/Kg	1	03/16/24	MR	SW8270E
2,4-Dichlorophenol	ND	280	ug/Kg	1	03/16/24	MR	SW8270E
2,4-Dimethylphenol	ND	280	ug/Kg	1	03/16/24	MR	SW8270E
2,4-Dinitrophenol	ND	300	ug/Kg	1	03/16/24	MR	SW8270E
2,4-Dinitrotoluene	ND	200	ug/Kg	1	03/16/24	MR	SW8270E
2,6-Dinitrotoluene	ND	200	ug/Kg	1	03/16/24	MR	SW8270E
2-Chloronaphthalene	ND	280	ug/Kg	1	03/16/24	MR	SW8270E
2-Chlorophenol	ND	280	ug/Kg	1	03/16/24	MR	SW8270E
2-Methylnaphthalene	ND	280	ug/Kg	1	03/16/24	MR	SW8270E
2-Methylphenol (o-cresol)	ND	280	ug/Kg	1	03/16/24	MR	SW8270E
2-Nitroaniline	ND	300	ug/Kg	1	03/16/24	MR	SW8270E
2-Nitrophenol	ND	280	ug/Kg	1	03/16/24	MR	SW8270E
3&4-Methylphenol (m&p-cresol)	ND	400	ug/Kg	1	03/16/24	MR	SW8270E
3,3'-Dichlorobenzidine	ND	200	ug/Kg	1	03/16/24	MR	SW8270E
3-Nitroaniline	ND	300	ug/Kg	1	03/16/24	MR	SW8270E
4,6-Dinitro-2-methylphenol	ND	300	ug/Kg	1	03/16/24	MR	SW8270E
4-Bromophenyl phenyl ether	ND	400	ug/Kg	1	03/16/24	MR	SW8270E
4-Chloro-3-methylphenol	ND	280	ug/Kg	1	03/16/24	MR	SW8270E
4-Chloroaniline	ND	200	ug/Kg	1	03/16/24	MR	SW8270E
4-Chlorophenyl phenyl ether	ND	280	ug/Kg	1	03/16/24	MR	SW8270E
4-Nitroaniline	ND	300	ug/Kg	1	03/16/24	MR	SW8270E
4-Nitrophenol	ND	280	ug/Kg	1	03/16/24	MR	SW8270E
Acenaphthene	ND	280	ug/Kg	1	03/16/24	MR	SW8270E
Acenaphthylene	ND	280	ug/Kg	1	03/16/24	MR	SW8270E
Acetophenone	ND	280	ug/Kg	1	03/16/24	MR	SW8270E
Aniline	ND	200	ug/Kg	1	03/16/24	MR	SW8270E
Anthracene	ND	280	ug/Kg	1	03/16/24	MR	SW8270E
Benz(a)anthracene	670	280	ug/Kg	1	03/16/24	MR	SW8270E
Benzidine	ND	200	ug/Kg	1	03/16/24	MR	SW8270E
Benzo(a)pyrene	790	280	ug/Kg	1	03/16/24	MR	SW8270E
Benzo(b)fluoranthene	1100	280	ug/Kg	1	03/16/24	MR	SW8270E
Benzo(ghi)perylene	440	280	ug/Kg	1	03/16/24	MR	SW8270E
Benzo(k)fluoranthene	380	280	ug/Kg	1	03/16/24	MR	SW8270E
Benzoic acid	ND	800	ug/Kg	1	03/16/24	MR	SW8270E
Benzyl butyl phthalate	ND	280	ug/Kg	1	03/16/24	MR	SW8270E
Bis(2-chloroethoxy)methane	ND	280	ug/Kg	1	03/16/24	MR	SW8270E
Bis(2-chloroethyl)ether	ND	400	ug/Kg	1	03/16/24	MR	SW8270E
Bis(2-ethylhexyl)phthalate	ND	400	ug/Kg	1	03/16/24	MR	SW8270E
Carbazole	ND	200	ug/Kg	1	03/16/24	MR	SW8270E
Chrysene	760	280	ug/Kg	1	03/16/24	MR	SW8270E
Dibenz(a,h)anthracene	ND	280	ug/Kg	1	03/16/24	MR	SW8270E
Dibenzofuran	ND	200	ug/Kg	1	03/16/24	MR	SW8270E
Diethyl phthalate	ND	280	ug/Kg	1	03/16/24	MR	SW8270E
Dimethylphthalate	ND	280	ug/Kg	1	03/16/24	MR	SW8270E

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Di-n-butylphthalate	ND	400	ug/Kg	1	03/16/24	MR	SW8270E
Di-n-octylphthalate	ND	280	ug/Kg	1	03/16/24	MR	SW8270E
Fluoranthene	1500	280	ug/Kg	1	03/16/24	MR	SW8270E
Fluorene	ND	280	ug/Kg	1	03/16/24	MR	SW8270E
Hexachlorobenzene	ND	280	ug/Kg	1	03/16/24	MR	SW8270E
Hexachlorobutadiene	ND	200	ug/Kg	1	03/16/24	MR	SW8270E
Hexachlorocyclopentadiene	ND	280	ug/Kg	1	03/16/24	MR	SW8270E
Hexachloroethane	ND	280	ug/Kg	1	03/16/24	MR	SW8270E
Indeno(1,2,3-cd)pyrene	510	280	ug/Kg	1	03/16/24	MR	SW8270E
Isophorone	ND	280	ug/Kg	1	03/16/24	MR	SW8270E
Naphthalene	ND	280	ug/Kg	1	03/16/24	MR	SW8270E
Nitrobenzene	ND	200	ug/Kg	1	03/16/24	MR	SW8270E
N-Nitrosodimethylamine	ND	200	ug/Kg	1	03/16/24	MR	SW8270E
N-Nitrosodi-n-propylamine	ND	200	ug/Kg	1	03/16/24	MR	SW8270E
N-Nitrosodiphenylamine	ND	200	ug/Kg	1	03/16/24	MR	SW8270E
Pentachloronitrobenzene	ND	140	ug/Kg	1	03/16/24	MR	SW8270E
Pentachlorophenol	ND	400	ug/Kg	1	03/16/24	MR	SW8270E
Phenanthrene	650	280	ug/Kg	1	03/16/24	MR	SW8270E
Phenol	ND	280	ug/Kg	1	03/16/24	MR	SW8270E
Pyrene	1300	280	ug/Kg	1	03/16/24	MR	SW8270E
Pyridine	ND	200	ug/Kg	1	03/16/24	MR	SW8270E
QA/QC Surrogates							
% 2,4,6-Tribromophenol	74		%	1	03/16/24	MR	30 - 130 %
% 2-Fluorobiphenyl	60		%	1	03/16/24	MR	30 - 130 %
% 2-Fluorophenol	61		%	1	03/16/24	MR	30 - 130 %
% Nitrobenzene-d5	61		%	1	03/16/24	MR	30 - 130 %
% Phenol-d5	62		%	1	03/16/24	MR	30 - 130 %
% Terphenyl-d14	63		%	1	03/16/24	MR	30 - 130 %

SPLP Semivolatiles by SIM

2-Methylnaphthalene	ND	0.54	ug/L	1	03/27/24	MR	SW8270E (SIM)
Acenaphthene	ND	0.54	ug/L	1	03/27/24	MR	SW8270E (SIM)
Acenaphthylene	ND	0.32	ug/L	1	03/27/24	MR	SW8270E (SIM)
Anthracene	ND	0.54	ug/L	1	03/27/24	MR	SW8270E (SIM)
Benz(a)anthracene	ND	0.05	ug/L	1	03/27/24	MR	SW8270E (SIM)
Benzo(a)pyrene	ND	0.22	ug/L	1	03/27/24	MR	SW8270E (SIM)
Benzo(b)fluoranthene	ND	0.08	ug/L	1	03/27/24	MR	SW8270E (SIM)
Benzo(ghi)perylene	ND	0.52	ug/L	1	03/27/24	MR	SW8270E (SIM)
Benzo(k)fluoranthene	ND	0.32	ug/L	1	03/27/24	MR	SW8270E (SIM)
Chrysene	ND	0.54	ug/L	1	03/27/24	MR	SW8270E (SIM)
Dibenz(a,h)anthracene	ND	0.11	ug/L	1	03/27/24	MR	SW8270E (SIM)
Fluoranthene	ND	0.54	ug/L	1	03/27/24	MR	SW8270E (SIM)
Fluorene	ND	0.54	ug/L	1	03/27/24	MR	SW8270E (SIM)
Indeno(1,2,3-cd)pyrene	ND	0.11	ug/L	1	03/27/24	MR	SW8270E (SIM)
Naphthalene	ND	0.54	ug/L	1	03/27/24	MR	SW8270E (SIM)
Phenanthrene	ND	0.07	ug/L	1	03/27/24	MR	SW8270E (SIM)
Pyrene	ND	0.54	ug/L	1	03/27/24	MR	SW8270E (SIM)
QA/QC Surrogates							
% 2-Fluorobiphenyl	61		%	1	03/27/24	MR	30 - 130 %
% Nitrobenzene-d5	68		%	1	03/27/24	MR	30 - 130 %

Project ID: OLSON DRIVE
Client ID: COMPOSITE 5/6

Phoenix I.D.: CQ26144

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Terphenyl-d14	77		%	1	03/27/24	MR	30 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
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.

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
April 03, 2024
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

QA/QC Report

April 03, 2024

QA/QC Data

SDG I.D.: GCQ26127

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 722161 (mg/kg), QC Sample No: CQ26057 2X (CQ26127, CQ26128, CQ26130, CQ26131, CQ26132, CQ26133, CQ26135, CQ26138, CQ26141, CQ26144)														
Mercury - Soil	BRL	0.02	<0.03	<0.03	NC	107	106	0.9	110	111	0.9	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 724045 (mg/L), QC Sample No: CQ35515 (CQ26133, CQ26138)														
Mercury - Water	BRL	0.0002	<0.0002	<0.0002	NC	104			91.0			80 - 120	20	
Comment:														
Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%. MS acceptance range is 75-125%.														
QA/QC Batch 724050 (mg/L), QC Sample No: CQ24638 (CQ26127, CQ26133, CQ26138, CQ26144)														
ICP Metals - SPLP Extraction														
Arsenic	BRL	0.004	<0.004	<0.004	NC	98.3	99.6	1.3	96.3			80 - 120	20	
Barium	BRL	0.010	0.011	0.011	NC	95.3	97.3	2.1	93.1			80 - 120	20	
Beryllium	BRL	0.001	<0.001	<0.001	NC	101	103	2.0	99.4			80 - 120	20	
Chromium	BRL	0.010	<0.010	<0.010	NC	96.3	98.0	1.7	94.0			80 - 120	20	
Copper	BRL	0.010	<0.010	<0.010	NC	96.5	98.0	1.5	94.1			80 - 120	20	
Vanadium	BRL	0.010	<0.010	<0.010	NC	96.4	97.6	1.2	94.4			80 - 120	20	
Zinc	BRL	0.010	<0.010	<0.010	NC	97.8	99.7	1.9	95.6			80 - 120	20	
Comment:														
Additional Criteria: LCS acceptance range is 80-120% MS acceptance range 75-125%.														
QA/QC Batch 722078 (mg/kg), QC Sample No: CQ26055 (CQ26127, CQ26128, CQ26130, CQ26131, CQ26132, CQ26133)														
ICP Metals - Soil														
Antimony	BRL	3.3	<3.5	<3.6	NC	120	121	0.8	92.8			75 - 125	35	
Arsenic	BRL	0.67	3.04	3.33	NC	100	99.1	0.9	94.6			75 - 125	35	
Barium	BRL	0.33	62.8	162	88.3	97.6	103	5.4	93.3			75 - 125	35	r
Beryllium	BRL	0.27	0.47	0.49	NC	104	108	3.8	102			75 - 125	35	
Cadmium	BRL	0.33	0.72	0.96	NC	105	104	1.0	100			75 - 125	35	
Chromium	BRL	0.33	31.5	27.4	13.9	105	108	2.8	94.9			75 - 125	35	
Copper	BRL	0.67	39.1	360	161	104	106	1.9	98.9			75 - 125	35	r
Lead	BRL	0.33	200	259	25.7	105	105	0.0	84.2			75 - 125	35	
Nickel	BRL	0.33	12.9	13.8	6.70	107	110	2.8	101			75 - 125	35	
Selenium	BRL	1.3	<1.4	<1.5	NC	92.4	95.8	3.6	85.4			75 - 125	35	
Silver	BRL	0.33	0.97	1.05	NC	101	102	1.0	97.0			75 - 125	35	
Thallium	BRL	3.0	<3.2	<3.3	NC	104	104	0.0	99.1			75 - 125	35	
Vanadium	BRL	0.33	61.0	62.6	2.60	110	112	1.8	91.4			75 - 125	35	
Zinc	BRL	0.67	189	345	58.4	103	105	1.9	70.9			75 - 125	35	m,r
Comment:														
Additional Criteria: LCS acceptance range is 80-120% MS acceptance range 75-125%.														
QA/QC Batch 722089 (mg/kg), QC Sample No: CQ26451 (CQ26135, CQ26138, CQ26141, CQ26144)														
ICP Metals - Soil														
Antimony	BRL	3.3	<5.0	<4.3	NC	116	119	2.6	91.7			75 - 125	35	

QA/QC Data

SDG I.D.: GCQ26127

Parameter	Blank	Blk RL	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Arsenic	BRL	0.67	8.03	9.08	12.3	94.4	97.1	2.8	97.6			75 - 125	35	
Barium	BRL	0.33	148	164	10.3	102	109	6.6	>130			75 - 125	35	m
Beryllium	BRL	0.27	0.97	0.96	NC	102	105	2.9	102			75 - 125	35	
Cadmium	BRL	0.33	0.72	0.58	NC	101	103	2.0	99.9			75 - 125	35	
Chromium	BRL	0.33	20.8	20.6	1.00	104	104	0.0	102			75 - 125	35	
Copper	BRL	0.67	55.5	90.0	47.4	105	103	1.9	124			75 - 125	35	r
Lead	BRL	0.33	251	244	2.80	101	103	2.0	>130			75 - 125	35	m
Nickel	BRL	0.33	21.4	19.7	8.30	103	104	1.0	102			75 - 125	35	
Selenium	BRL	1.3	<2.0	<2.5	NC	92.1	91.3	0.9	85.2			75 - 125	35	
Silver	BRL	0.33	<0.50	<0.43	NC	99.1	101	1.9	101			75 - 125	35	
Thallium	BRL	3.0	<2.0	<3.9	NC	99.6	101	1.4	100			75 - 125	35	
Vanadium	BRL	0.33	28.1	32.0	13.0	106	108	1.9	106			75 - 125	35	
Zinc	BRL	0.67	178	163	8.80	98.7	101	2.3	96.3			75 - 125	35	

Comment:

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

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

QA/QC Report

April 03, 2024

QA/QC Data

SDG I.D.: GCQ26127

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 722281 (mg/Kg), QC Sample No: CQ26061 (CQ26127, CQ26128)											
TPH by GC (Extractable Products) - Soil											
Ext. Petroleum H.C. (C9-C36)	ND	50	128	121	5.6	129	138	6.7	60 - 120	30	l
% COD (surr)	74	%	107	82	26.5	94	98	4.2	50 - 150	30	
% Terphenyl (surr)	86	%	98	76	25.3	80	82	2.5	50 - 150	30	
Comment:											
Additional surrogate criteria: LCS acceptance range is 60-120% MS acceptance range 50-150%. The ETPH/DRO LCS has been normalized based on the alkane calibration.											
QA/QC Batch 722312 (mg/Kg), QC Sample No: CQ27078 (CQ26130, CQ26131, CQ26132, CQ26133, CQ26135, CQ26138, CQ26141, CQ26144)											
TPH by GC (Extractable Products) - Soil											
Ext. Petroleum H.C. (C9-C36)	ND	50	99	97	2.0	110	107	2.8	60 - 120	30	
% COD (surr)	85	%	106	114	7.3	57	56	1.8	50 - 150	30	
% Terphenyl (surr)	87	%	91	96	5.3	66	63	4.7	50 - 150	30	
Comment:											
Additional surrogate criteria: LCS acceptance range is 60-120% MS acceptance range 50-150%. The ETPH/DRO LCS has been normalized based on the alkane calibration.											
QA/QC Batch 723943 (ug/Kg), QC Sample No: CQ29326 10X (CQ26133, CQ26138, CQ26141)											
Chlorinated Herbicides - Soil											
2,4,5-T	ND	130	70	71	1.4	54	55	1.8	40 - 140	30	
2,4,5-TP (Silvex)	ND	130	76	76	0.0	60	58	3.4	40 - 140	30	
2,4-D	ND	250	73	72	1.4	56	52	7.4	40 - 140	30	
2,4-DB	ND	2500	64	65	1.6	61	57	6.8	40 - 140	30	
Dalapon	ND	130	51	59	14.5	40	38	5.1	40 - 140	30	
Dicamba	ND	130	72	78	8.0	54	56	3.6	40 - 140	30	
Dichloroprop	ND	130	81	80	1.2	66	62	6.3	40 - 140	30	
Dinoseb	ND	130	82	88	7.1	64	92	35.9	40 - 140	30	r
% DCAA (Surrogate Rec)	87	%	88	89	1.1	68	62	9.2	30 - 150	30	
% DCAA (Surrogate Rec) (Confirm	91	%	113	98	14.2	77	70	9.5	30 - 150	30	
Comment:											
Additional criteria: LCS acceptance range is 40-140% MS acceptance range 30-150%.											
QA/QC Batch 724063 (ug/L), QC Sample No: CQ34595 10X (CQ26133, CQ26138, CQ26141)											
TCLP Herbicides											
2,4,5-TP (Silvex)	ND	50	119	109	8.8	118			40 - 140	20	
2,4-D	ND	100	109	102	6.6	115			40 - 140	20	
% DCAA	66	%	77	71	8.1	136			30 - 150	20	
% DCAA (Confirmation)	66	%	102	88	14.7	166			30 - 150	20	m
Comment:											
Additional criteria: LCS acceptance range is 40-140% MS acceptance range 30-150%.											

QA/QC Data

SDG I.D.: GCQ26127

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 722054 (ug/Kg), QC Sample No: CQ23521 10X (CQ26127, CQ26128, CQ26130, CQ26131, CQ26132, CQ26133, CQ26135, CQ26138, CQ26141, CQ26144)											
Polychlorinated Biphenyls - Soil											
PCB-1016	ND	170	93	95	2.1	76	86	12.3	40 - 140	30	
PCB-1221	ND	170							40 - 140	30	
PCB-1232	ND	170							40 - 140	30	
PCB-1242	ND	170							40 - 140	30	
PCB-1248	ND	170							40 - 140	30	
PCB-1254	ND	170							40 - 140	30	
PCB-1260	ND	170	98	97	1.0	72	85	16.6	40 - 140	30	
PCB-1262	ND	170							40 - 140	30	
PCB-1268	ND	170							40 - 140	30	
% DCBP (Surrogate Rec)	92	%	99	102	3.0	76	85	11.2	30 - 150	30	
% DCBP (Surrogate Rec) (Confirm	101	%	101	104	2.9	77	89	14.5	30 - 150	30	
% TCMX (Surrogate Rec)	85	%	87	91	4.5	64	73	13.1	30 - 150	30	
% TCMX (Surrogate Rec) (Confirm	85	%	90	94	4.3	65	75	14.3	30 - 150	30	
QA/QC Batch 724060 (ug/L), QC Sample No: CQ26127 (CQ26127, CQ26138, CQ26144)											
Pesticides											
4,4' -DDT	ND	0.003	67	61	9.4				40 - 140	20	
Chlordane	ND	0.050	61	59	3.3				40 - 140	20	
% DCBP	68	%	73	69	5.6				30 - 150	20	
% DCBP (Confirmation)	60	%	72	68	5.7				30 - 150	20	
% TCMX	55	%	67	60	11.0				30 - 150	20	
% TCMX (Confirmation)	63	%	72	62	14.9				30 - 150	20	
QA/QC Batch 722502 (ug/Kg), QC Sample No: CQ26500 2X (CQ26127, CQ26128, CQ26130, CQ26131, CQ26132)											
Pesticides - Soil											
4,4' -DDD	ND	1.7	72	70	2.8	72	69	4.3	40 - 140	30	
4,4' -DDE	ND	1.7	74	78	5.3	83	59	33.8	40 - 140	30	r
4,4' -DDT	ND	1.7	66	66	0.0	67	64	4.6	40 - 140	30	
a-BHC	ND	1.0	76	78	2.6	81	75	7.7	40 - 140	30	
Alachlor	ND	3.3	NA	NA	NC	NA	NA	NC	40 - 140	30	
Aldrin	ND	1.0	72	73	1.4	75	70	6.9	40 - 140	30	
b-BHC	ND	1.0	86	81	6.0	88	82	7.1	40 - 140	30	
Chlordane	ND	33	76	76	0.0	77	74	4.0	40 - 140	30	
d-BHC	ND	3.3	81	80	1.2	78	76	2.6	40 - 140	30	
Dieldrin	ND	1.0	77	77	0.0	77	74	4.0	40 - 140	30	
Endosulfan I	ND	3.3	78	73	6.6	70	87	21.7	40 - 140	30	
Endosulfan II	ND	3.3	79	78	1.3	78	75	3.9	40 - 140	30	
Endosulfan sulfate	ND	3.3	84	82	2.4	84	82	2.4	40 - 140	30	
Endrin	ND	3.3	75	74	1.3	75	72	4.1	40 - 140	30	
Endrin aldehyde	ND	3.3	82	81	1.2	81	75	7.7	40 - 140	30	
Endrin ketone	ND	3.3	90	89	1.1	88	85	3.5	40 - 140	30	
g-BHC	ND	1.0	77	78	1.3	82	76	7.6	40 - 140	30	
Heptachlor	ND	3.3	70	72	2.8	75	69	8.3	40 - 140	30	
Heptachlor epoxide	ND	3.3	73	73	0.0	73	70	4.2	40 - 140	30	
Methoxychlor	ND	3.3	69	67	2.9	80	71	11.9	40 - 140	30	
Toxaphene	ND	130	NA	NA	NC	NA	NA	NC	40 - 140	30	
% DCBP	75	%	68	65	4.5	67	63	6.2	30 - 150	30	
% DCBP (Confirmation)	69	%	76	73	4.0	75	71	5.5	30 - 150	30	
% TCMX	72	%	73	71	2.8	76	72	5.4	30 - 150	30	
% TCMX (Confirmation)	77	%	69	69	0.0	74	68	8.5	30 - 150	30	

QA/QC Data

SDG I.D.: GCQ26127

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 722846 (ug/Kg), QC Sample No: CQ28500 2X (CQ26133, CQ26135, CQ26138, CQ26141, CQ26144)											
Pesticides - Soil											
4,4' -DDD	ND	1.7	84	69	19.6	124	151	19.6	40 - 140	30	m
4,4' -DDE	ND	1.7	75	72	4.1	NC	NC	NC	40 - 140	30	
4,4' -DDT	ND	1.7	74	68	8.5	NC	NC	NC	40 - 140	30	
a-BHC	ND	1.0	73	69	5.6	93	111	17.6	40 - 140	30	
Alachlor	ND	3.3	NA	NA	NC	NA	NA	NC	40 - 140	30	
Aldrin	ND	1.0	71	67	5.8	94	112	17.5	40 - 140	30	
b-BHC	ND	1.0	74	70	5.6	99	117	16.7	40 - 140	30	
Chlordane	ND	33	74	69	7.0	104	124	17.5	40 - 140	30	
d-BHC	ND	3.3	67	61	9.4	85	100	16.2	40 - 140	30	
Dieldrin	ND	1.0	78	73	6.6	113	134	17.0	40 - 140	30	
Endosulfan I	ND	3.3	83	76	8.8	111	131	16.5	40 - 140	30	
Endosulfan II	ND	3.3	85	72	16.6	105	123	15.8	40 - 140	30	
Endosulfan sulfate	ND	3.3	71	70	1.4	112	131	15.6	40 - 140	30	
Endrin	ND	3.3	74	69	7.0	101	118	15.5	40 - 140	30	
Endrin aldehyde	ND	3.3	74	71	4.1	92	112	19.6	40 - 140	30	
Endrin ketone	ND	3.3	83	77	7.5	108	131	19.2	40 - 140	30	
g-BHC	ND	1.0	73	68	7.1	93	113	19.4	40 - 140	30	
Heptachlor	ND	3.3	67	62	7.8	88	103	15.7	40 - 140	30	
Heptachlor epoxide	ND	3.3	69	64	7.5	93	109	15.8	40 - 140	30	
Methoxychlor	ND	3.3	69	67	2.9	97	114	16.1	40 - 140	30	
Toxaphene	ND	130	NA	NA	NC	NA	NA	NC	40 - 140	30	
% DCBP	78	%	80	75	6.5	111	130	15.8	30 - 150	30	
% DCBP (Confirmation)	78	%	86	74	15.0	112	135	18.6	30 - 150	30	
% TCMX	65	%	68	63	7.6	89	105	16.5	30 - 150	30	
% TCMX (Confirmation)	67	%	72	65	10.2	92	106	14.1	30 - 150	30	
QA/QC Batch 724353 (ug/L), QC Sample No: CQ33475 (CQ26130)											
Pesticides											
4,4' -DDT	ND	0.003	64	61	4.8				40 - 140	20	
% DCBP	65	%	65	68	4.5				30 - 150	20	
% DCBP (Confirmation)	72	%	68	66	3.0				30 - 150	20	
% TCMX	44	%	40	46	14.0				30 - 150	20	
% TCMX (Confirmation)	42	%	47	53	12.0				30 - 150	20	
Comment:											
A LCS and LCS duplicate were performed instead of a MS and MSD. Alpha and gamma chlordane were spiked and analyzed instead of technical chlordane. Gamma chlordane recovery is reported as chlordane in the LCS and LCSD											
QA/QC Batch 722296 (ug/kg), QC Sample No: CQ26057 (CQ26127)											
Semivolatiles - Soil											
1,2,4,5-Tetrachlorobenzene	ND	230	67	67	0.0	81	82	1.2	40 - 140	30	
1,2,4-Trichlorobenzene	ND	230	63	62	1.6	77	77	0.0	40 - 140	30	
1,2-Dichlorobenzene	ND	180	63	62	1.6	70	71	1.4	40 - 140	30	
1,2-Diphenylhydrazine	ND	230	77	76	1.3	83	84	1.2	40 - 140	30	
1,3-Dichlorobenzene	ND	230	62	60	3.3	69	69	0.0	40 - 140	30	
1,4-Dichlorobenzene	ND	230	60	59	1.7	67	68	1.5	40 - 140	30	
2,2'-Oxybis(1-Chloropropane)	ND	230	60	58	3.4	64	66	3.1	40 - 140	30	
2,4,5-Trichlorophenol	ND	230	95	93	2.1	106	105	0.9	40 - 140	30	
2,4,6-Trichlorophenol	ND	130	101	99	2.0	112	113	0.9	30 - 130	30	
2,4-Dichlorophenol	ND	130	81	81	0.0	99	100	1.0	30 - 130	30	
2,4-Dimethylphenol	ND	230	86	85	1.2	106	108	1.9	30 - 130	30	
2,4-Dinitrophenol	ND	230	117	99	16.7	124	130	4.7	30 - 130	30	

QA/QC Data

SDG I.D.: GCQ26127

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
2,4-Dinitrotoluene	ND	130	90	88	2.2	98	99	1.0	30 - 130	30	
2,6-Dinitrotoluene	ND	130	90	87	3.4	99	101	2.0	40 - 140	30	
2-Chloronaphthalene	ND	230	74	73	1.4	82	83	1.2	40 - 140	30	
2-Chlorophenol	ND	230	81	79	2.5	89	90	1.1	30 - 130	30	
2-Methylnaphthalene	ND	230	71	71	0.0	85	86	1.2	40 - 140	30	
2-Methylphenol (o-cresol)	ND	230	79	76	3.9	85	87	2.3	40 - 140	30	
2-Nitroaniline	ND	330	129	125	3.1	137	139	1.4	40 - 140	30	
2-Nitrophenol	ND	230	80	80	0.0	92	96	4.3	40 - 140	30	
3&4-Methylphenol (m&p-cresol)	ND	230	84	83	1.2	92	95	3.2	30 - 130	30	
3,3'-Dichlorobenzidine	ND	130	121	117	3.4	130	132	1.5	40 - 140	30	
3-Nitroaniline	ND	330	99	95	4.1	105	106	0.9	40 - 140	30	
4,6-Dinitro-2-methylphenol	ND	230	121	112	7.7	120	124	3.3	30 - 130	30	
4-Bromophenyl phenyl ether	ND	230	83	80	3.7	91	92	1.1	40 - 140	30	
4-Chloro-3-methylphenol	ND	230	91	88	3.4	107	107	0.0	30 - 130	30	
4-Chloroaniline	ND	230	75	76	1.3	87	88	1.1	40 - 140	30	
4-Chlorophenyl phenyl ether	ND	230	74	75	1.3	81	81	0.0	40 - 140	30	
4-Nitroaniline	ND	230	88	84	4.7	94	96	2.1	40 - 140	30	
4-Nitrophenol	ND	230	94	90	4.3	99	100	1.0	30 - 130	30	
Acenaphthene	ND	230	76	75	1.3	84	85	1.2	30 - 130	30	
Acenaphthylene	ND	130	70	70	0.0	78	78	0.0	40 - 140	30	
Acetophenone	ND	230	68	67	1.5	74	75	1.3	40 - 140	30	
Aniline	ND	330	75	73	2.7	73	73	0.0	40 - 140	30	
Anthracene	ND	230	80	78	2.5	86	87	1.2	40 - 140	30	
Benz(a)anthracene	ND	230	86	85	1.2	94	95	1.1	40 - 140	30	
Benzidine	ND	330	86	87	1.2	35	29	18.8	40 - 140	30	m
Benzo(a)pyrene	ND	130	86	85	1.2	92	92	0.0	40 - 140	30	
Benzo(b)fluoranthene	ND	160	79	77	2.6	88	87	1.1	40 - 140	30	
Benzo(ghi)perylene	ND	230	91	89	2.2	97	97	0.0	40 - 140	30	
Benzo(k)fluoranthene	ND	230	86	86	0.0	92	93	1.1	40 - 140	30	
Benzoic Acid	ND	670	115	85	30.0	150	159	5.8	30 - 130	30	m
Benzyl butyl phthalate	ND	230	90	87	3.4	95	96	1.0	40 - 140	30	
Bis(2-chloroethoxy)methane	ND	230	66	67	1.5	79	79	0.0	40 - 140	30	
Bis(2-chloroethyl)ether	ND	130	69	67	2.9	74	75	1.3	40 - 140	30	
Bis(2-ethylhexyl)phthalate	ND	230	89	86	3.4	95	95	0.0	40 - 140	30	
Carbazole	ND	230	85	82	3.6	91	92	1.1	40 - 140	30	
Chrysene	ND	230	84	82	2.4	91	91	0.0	40 - 140	30	
Dibenz(a,h)anthracene	ND	130	82	80	2.5	85	87	2.3	40 - 140	30	
Dibenzofuran	ND	230	74	74	0.0	83	82	1.2	40 - 140	30	
Diethyl phthalate	ND	230	86	83	3.6	93	93	0.0	40 - 140	30	
Dimethylphthalate	ND	230	82	80	2.5	89	90	1.1	40 - 140	30	
Di-n-butylphthalate	ND	670	95	93	2.1	102	103	1.0	40 - 140	30	
Di-n-octylphthalate	ND	230	97	93	4.2	103	104	1.0	40 - 140	30	
Fluoranthene	ND	230	86	84	2.4	93	94	1.1	40 - 140	30	
Fluorene	ND	230	75	76	1.3	82	83	1.2	40 - 140	30	
Hexachlorobenzene	ND	130	79	76	3.9	84	86	2.4	40 - 140	30	
Hexachlorobutadiene	ND	230	63	62	1.6	78	79	1.3	40 - 140	30	
Hexachlorocyclopentadiene	ND	230	31	35	12.1	66	64	3.1	40 - 140	30	l
Hexachloroethane	ND	130	65	64	1.6	73	73	0.0	40 - 140	30	
Indeno(1,2,3-cd)pyrene	ND	230	88	86	2.3	93	94	1.1	40 - 140	30	
Isophorone	ND	130	66	66	0.0	77	78	1.3	40 - 140	30	
Naphthalene	ND	230	64	64	0.0	79	80	1.3	40 - 140	30	
Nitrobenzene	ND	130	80	78	2.5	85	88	3.5	40 - 140	30	
N-Nitrosodimethylamine	ND	230	67	64	4.6	70	72	2.8	40 - 140	30	

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
N-Nitrosodi-n-propylamine	ND	130	72	71	1.4	75	79	5.2	40 - 140	30	
N-Nitrosodiphenylamine	ND	130	79	78	1.3	87	87	0.0	40 - 140	30	
Pentachloronitrobenzene	ND	230	82	79	3.7	89	90	1.1	40 - 140	30	
Pentachlorophenol	ND	230	113	108	4.5	122	121	0.8	30 - 130	30	
Phenanthrene	ND	130	76	75	1.3	83	84	1.2	40 - 140	30	
Phenol	ND	230	81	81	0.0	88	90	2.2	30 - 130	30	
Pyrene	ND	230	84	83	1.2	94	95	1.1	30 - 130	30	
Pyridine	ND	230	53	52	1.9	49	49	0.0	40 - 140	30	
% 2,4,6-Tribromophenol	71	%	79	76	3.9	83	86	3.6	30 - 130	30	
% 2-Fluorobiphenyl	67	%	69	68	1.5	76	76	0.0	30 - 130	30	
% 2-Fluorophenol	66	%	70	68	2.9	77	78	1.3	30 - 130	30	
% Nitrobenzene-d5	66	%	77	73	5.3	82	84	2.4	30 - 130	30	
% Phenol-d5	68	%	74	71	4.1	80	80	0.0	30 - 130	30	
% Terphenyl-d14	76	%	77	74	4.0	84	85	1.2	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 722311 (ug/kg), QC Sample No: CQ26354 (CQ26128, CQ26130, CQ26131, CQ26132, CQ26133, CQ26135, CQ26138, CQ26141, CQ26144)

Semivolatiles - Soil

1,2,4,5-Tetrachlorobenzene	ND	230	55	56	1.8	78			40 - 140	30	
1,2,4-Trichlorobenzene	ND	230	52	57	9.2	73			40 - 140	30	
1,2-Dichlorobenzene	ND	180	47	50	6.2	64			40 - 140	30	
1,2-Diphenylhydrazine	ND	230	53	55	3.7	75			40 - 140	30	
1,3-Dichlorobenzene	ND	230	46	48	4.3	61			40 - 140	30	
1,4-Dichlorobenzene	ND	230	45	48	6.5	61			40 - 140	30	
2,2'-Oxybis(1-Chloropropane)	ND	230	40	42	4.9	56			40 - 140	30	
2,4,5-Trichlorophenol	ND	230	60	63	4.9	86			40 - 140	30	
2,4,6-Trichlorophenol	ND	130	62	64	3.2	89			30 - 130	30	
2,4-Dichlorophenol	ND	130	61	64	4.8	88			30 - 130	30	
2,4-Dimethylphenol	ND	230	63	66	4.7	95			30 - 130	30	
2,4-Dinitrophenol	ND	230	68	74	8.5	91			30 - 130	30	
2,4-Dinitrotoluene	ND	130	64	67	4.6	93			30 - 130	30	
2,6-Dinitrotoluene	ND	130	61	64	4.8	86			40 - 140	30	
2-Chloronaphthalene	ND	230	55	56	1.8	76			40 - 140	30	
2-Chlorophenol	ND	230	54	57	5.4	79			30 - 130	30	
2-Methylnaphthalene	ND	230	55	57	3.6	78			40 - 140	30	
2-Methylphenol (o-cresol)	ND	230	53	68	24.8	77			40 - 140	30	
2-Nitroaniline	ND	330	78	80	2.5	118			40 - 140	30	
2-Nitrophenol	ND	230	65	68	4.5	90			40 - 140	30	
3&4-Methylphenol (m&p-cresol)	ND	230	50	51	2.0	71			30 - 130	30	
3,3'-Dichlorobenzidine	ND	130	53	38	33.0	77			40 - 140	30	l,r
3-Nitroaniline	ND	330	62	55	12.0	93			40 - 140	30	
4,6-Dinitro-2-methylphenol	ND	230	65	67	3.0	92			30 - 130	30	
4-Bromophenyl phenyl ether	ND	230	61	63	3.2	83			40 - 140	30	
4-Chloro-3-methylphenol	ND	230	61	62	1.6	88			30 - 130	30	
4-Chloroaniline	ND	230	58	52	10.9	85			40 - 140	30	
4-Chlorophenyl phenyl ether	ND	230	60	62	3.3	86			40 - 140	30	
4-Nitroaniline	ND	230	61	63	3.2	89			40 - 140	30	
4-Nitrophenol	ND	230	65	65	0.0	97			30 - 130	30	
Acenaphthene	ND	230	53	55	3.7	75			30 - 130	30	
Acenaphthylene	ND	130	47	47	0.0	66			40 - 140	30	

QA/QC Data

SDG I.D.: GCQ26127

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Acetophenone	ND	230	53	55	3.7	74			40 - 140	30	
Aniline	ND	330	<10	81	NC	54			40 - 140	30	l
Anthracene	ND	230	54	55	1.8	77			40 - 140	30	
Benz(a)anthracene	ND	230	56	60	6.9	81			40 - 140	30	
Benzidine	ND	330	<10	<10	NC	10			40 - 140	30	l,m
Benzo(a)pyrene	ND	130	60	62	3.3	83			40 - 140	30	
Benzo(b)fluoranthene	ND	160	57	61	6.8	81			40 - 140	30	
Benzo(ghi)perylene	ND	230	59	62	5.0	67			40 - 140	30	
Benzo(k)fluoranthene	ND	230	58	61	5.0	80			40 - 140	30	
Benzoic Acid	ND	670	81	90	10.5	98			30 - 130	30	
Benzyl butyl phthalate	ND	230	57	60	5.1	80			40 - 140	30	
Bis(2-chloroethoxy)methane	ND	230	53	55	3.7	74			40 - 140	30	
Bis(2-chloroethyl)ether	ND	130	55	58	5.3	72			40 - 140	30	
Bis(2-ethylhexyl)phthalate	ND	230	55	58	5.3	76			40 - 140	30	
Carbazole	ND	230	54	55	1.8	78			40 - 140	30	
Chrysene	ND	230	56	58	3.5	77			40 - 140	30	
Dibenz(a,h)anthracene	ND	130	58	61	5.0	68			40 - 140	30	
Dibenzofuran	ND	230	56	57	1.8	79			40 - 140	30	
Diethyl phthalate	ND	230	57	60	5.1	80			40 - 140	30	
Dimethylphthalate	ND	230	55	57	3.6	79			40 - 140	30	
Di-n-butylphthalate	ND	670	57	60	5.1	81			40 - 140	30	
Di-n-octylphthalate	ND	230	55	58	5.3	76			40 - 140	30	
Fluoranthene	ND	230	55	57	3.6	82			40 - 140	30	
Fluorene	ND	230	56	58	3.5	81			40 - 140	30	
Hexachlorobenzene	ND	130	57	63	10.0	76			40 - 140	30	
Hexachlorobutadiene	ND	230	55	57	3.6	77			40 - 140	30	
Hexachlorocyclopentadiene	ND	230	42	50	17.4	41			40 - 140	30	
Hexachloroethane	ND	130	48	52	8.0	65			40 - 140	30	
Indeno(1,2,3-cd)pyrene	ND	230	61	65	6.3	73			40 - 140	30	
Isophorone	ND	130	49	51	4.0	68			40 - 140	30	
Naphthalene	ND	230	49	52	5.9	71			40 - 140	30	
Nitrobenzene	ND	130	52	55	5.6	72			40 - 140	30	
N-Nitrosodimethylamine	ND	230	48	39	20.7	67			40 - 140	30	l
N-Nitrosodi-n-propylamine	ND	130	55	57	3.6	76			40 - 140	30	
N-Nitrosodiphenylamine	ND	130	52	50	3.9	76			40 - 140	30	
Pentachloronitrobenzene	ND	230	60	64	6.5	83			40 - 140	30	
Pentachlorophenol	ND	230	68	74	8.5	101			30 - 130	30	
Phenanthrene	ND	130	55	57	3.6	78			40 - 140	30	
Phenol	ND	230	54	58	7.1	86			30 - 130	30	
Pyrene	ND	230	55	57	3.6	80			30 - 130	30	
Pyridine	ND	230	38	26	37.5	50			40 - 140	30	l,r
% 2,4,6-Tribromophenol	59	%	60	63	4.9	87			30 - 130	30	
% 2-Fluorobiphenyl	50	%	50	52	3.9	70			30 - 130	30	
% 2-Fluorophenol	51	%	50	51	2.0	70			30 - 130	30	
% Nitrobenzene-d5	49	%	48	51	6.1	70			30 - 130	30	
% Phenol-d5	51	%	51	53	3.8	73			30 - 130	30	
% Terphenyl-d14	52	%	50	53	5.8	75			30 - 130	30	

Comment:

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

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 Data

SDG I.D.: GCQ26127

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 724062 (ug/L), QC Sample No: CQ26132 (CQ26132, CQ26133, CQ26141, CQ26144)										
Semivolatiles by SIM, PAH - SPLP										
2-Methylnaphthalene	ND	0.50	70	67	4.4				30 - 130	20
Acenaphthene	ND	0.50	78	73	6.6				30 - 130	20
Acenaphthylene	ND	0.30	73	69	5.6				30 - 130	20
Anthracene	ND	0.50	91	87	4.5				30 - 130	20
Benz(a)anthracene	ND	0.05	101	95	6.1				30 - 130	20
Benzo(a)pyrene	ND	0.20	109	104	4.7				30 - 130	20
Benzo(b)fluoranthene	ND	0.07	98	93	5.2				30 - 130	20
Benzo(ghi)perylene	ND	0.48	70	74	5.6				30 - 130	20
Benzo(k)fluoranthene	ND	0.30	107	103	3.8				30 - 130	20
Chrysene	ND	0.50	90	85	5.7				30 - 130	20
Dibenz(a,h)anthracene	ND	0.10	86	89	3.4				30 - 130	20
Fluoranthene	ND	0.50	95	89	6.5				30 - 130	20
Fluorene	ND	0.50	85	80	6.1				30 - 130	20
Indeno(1,2,3-cd)pyrene	ND	0.10	95	98	3.1				30 - 130	20
Naphthalene	ND	0.50	65	61	6.3				30 - 130	20
Phenanthrene	ND	0.06	77	73	5.3				30 - 130	20
Pyrene	ND	0.50	95	89	6.5				30 - 130	20
% 2-Fluorobiphenyl	68	%	73	70	4.2				30 - 130	20
% Nitrobenzene-d5	86	%	92	84	9.1				30 - 130	20
% Terphenyl-d14	84	%	88	82	7.1				30 - 130	20
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 722663 (ug/kg), QC Sample No: CQ26127 (CQ26127)										
Volatiles - Soil (Low Level)										
1,1,1,2-Tetrachloroethane	ND	5.0	101	102	1.0				70 - 130	30
1,1,1-Trichloroethane	ND	5.0	97	100	3.0				70 - 130	30
1,1,2,2-Tetrachloroethane	ND	3.0	100	105	4.9				70 - 130	30
1,1,2-Trichloroethane	ND	5.0	98	99	1.0				70 - 130	30
1,1-Dichloroethane	ND	5.0	96	99	3.1				70 - 130	30
1,1-Dichloroethene	ND	5.0	93	92	1.1				70 - 130	30
1,1-Dichloropropene	ND	5.0	97	98	1.0				70 - 130	30
1,2,3-Trichlorobenzene	ND	5.0	98	101	3.0				70 - 130	30
1,2,3-Trichloropropane	ND	5.0	100	103	3.0				70 - 130	30
1,2,4-Trichlorobenzene	ND	5.0	97	99	2.0				70 - 130	30
1,2,4-Trimethylbenzene	ND	1.0	97	101	4.0				70 - 130	30
1,2-Dibromo-3-chloropropane	ND	5.0	98	100	2.0				70 - 130	30
1,2-Dibromoethane	ND	5.0	99	100	1.0				70 - 130	30
1,2-Dichlorobenzene	ND	5.0	91	95	4.3				70 - 130	30
1,2-Dichloroethane	ND	5.0	100	99	1.0				70 - 130	30
1,2-Dichloropropane	ND	5.0	98	100	2.0				70 - 130	30
1,3,5-Trimethylbenzene	ND	1.0	97	101	4.0				70 - 130	30
1,3-Dichlorobenzene	ND	5.0	94	95	1.1				70 - 130	30
1,3-Dichloropropane	ND	5.0	100	101	1.0				70 - 130	30
1,4-Dichlorobenzene	ND	5.0	92	94	2.2				70 - 130	30
2,2-Dichloropropane	ND	5.0	92	97	5.3				70 - 130	30
2-Chlorotoluene	ND	5.0	95	98	3.1				70 - 130	30
2-Hexanone	ND	25	96	103	7.0				70 - 130	30
2-Isopropyltoluene	ND	5.0	95	100	5.1				70 - 130	30
4-Chlorotoluene	ND	5.0	95	97	2.1				70 - 130	30

QA/QC Data

SDG I.D.: GCQ26127

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
4-Methyl-2-pentanone	ND	25	102	107	4.8				70 - 130	30
Acetone	ND	10	77	80	3.8				70 - 130	30
Acrylonitrile	ND	5.0	98	104	5.9				70 - 130	30
Benzene	ND	1.0	94	95	1.1				70 - 130	30
Bromobenzene	ND	5.0	96	97	1.0				70 - 130	30
Bromochloromethane	ND	5.0	93	95	2.1				70 - 130	30
Bromodichloromethane	ND	5.0	100	100	0.0				70 - 130	30
Bromoform	ND	5.0	98	102	4.0				70 - 130	30
Bromomethane	ND	5.0	96	94	2.1				70 - 130	30
Carbon Disulfide	ND	5.0	95	97	2.1				70 - 130	30
Carbon tetrachloride	ND	5.0	98	101	3.0				70 - 130	30
Chlorobenzene	ND	5.0	95	96	1.0				70 - 130	30
Chloroethane	ND	5.0	102	100	2.0				70 - 130	30
Chloroform	ND	5.0	95	97	2.1				70 - 130	30
Chloromethane	ND	5.0	100	102	2.0				70 - 130	30
cis-1,2-Dichloroethene	ND	5.0	91	97	6.4				70 - 130	30
cis-1,3-Dichloropropene	ND	5.0	105	106	0.9				70 - 130	30
Dibromochloromethane	ND	3.0	102	104	1.9				70 - 130	30
Dibromomethane	ND	5.0	96	98	2.1				70 - 130	30
Dichlorodifluoromethane	ND	5.0	103	108	4.7				70 - 130	30
Ethylbenzene	ND	1.0	95	96	1.0				70 - 130	30
Hexachlorobutadiene	ND	5.0	89	99	10.6				70 - 130	30
Isopropylbenzene	ND	1.0	95	102	7.1				70 - 130	30
m&p-Xylene	ND	2.0	96	98	2.1				70 - 130	30
Methyl ethyl ketone	ND	5.0	95	93	2.1				70 - 130	30
Methyl t-butyl ether (MTBE)	ND	1.0	98	101	3.0				70 - 130	30
Methylene chloride	ND	5.0	86	89	3.4				70 - 130	30
Naphthalene	ND	5.0	105	109	3.7				70 - 130	30
n-Butylbenzene	ND	1.0	95	101	6.1				70 - 130	30
n-Propylbenzene	ND	1.0	95	99	4.1				70 - 130	30
o-Xylene	ND	2.0	99	102	3.0				70 - 130	30
p-Isopropyltoluene	ND	1.0	95	100	5.1				70 - 130	30
sec-Butylbenzene	ND	1.0	93	101	8.2				70 - 130	30
Styrene	ND	5.0	99	104	4.9				70 - 130	30
tert-Butylbenzene	ND	1.0	94	100	6.2				70 - 130	30
Tetrachloroethene	ND	5.0	93	93	0.0				70 - 130	30
Tetrahydrofuran (THF)	ND	5.0	101	106	4.8				70 - 130	30
Toluene	ND	1.0	94	94	0.0				70 - 130	30
trans-1,2-Dichloroethene	ND	5.0	93	96	3.2				70 - 130	30
trans-1,3-Dichloropropene	ND	5.0	108	109	0.9				70 - 130	30
trans-1,4-dichloro-2-butene	ND	5.0	109	116	6.2				70 - 130	30
Trichloroethene	ND	5.0	94	93	1.1				70 - 130	30
Trichlorofluoromethane	ND	5.0	103	106	2.9				70 - 130	30
Trichlorotrifluoroethane	ND	5.0	93	100	7.3				70 - 130	30
Vinyl chloride	ND	5.0	99	103	4.0				70 - 130	30
% 1,2-dichlorobenzene-d4	101	%	100	101	1.0				70 - 130	30
% Bromofluorobenzene	100	%	103	101	2.0				70 - 130	30
% Dibromofluoromethane	99	%	99	102	3.0				70 - 130	30
% Toluene-d8	101	%	102	100	2.0				70 - 130	30

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
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 722663H (ug/kg), QC Sample No: CQ26127 50X (CQ26130 (50X))											
Volatiles - Soil (High Level)											
Acetone	ND	500	70	71	1.4	68	78	13.7	70 - 130	30	m
% 1,2-dichlorobenzene-d4	101	%	100	100	0.0	99	102	3.0	70 - 130	30	
% Bromofluorobenzene	97	%	101	100	1.0	100	100	0.0	70 - 130	30	
% Dibromofluoromethane	95	%	97	98	1.0	95	95	0.0	70 - 130	30	
% Toluene-d8	101	%	99	99	0.0	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 722446 (ug/kg), QC Sample No: CQ26132 (CQ26132, CQ26133, CQ26135, CQ26138, CQ26141, CQ26144)											
Volatiles - Soil (Low Level)											
1,1,1,2-Tetrachloroethane	ND	5.0	92	101	9.3	98	106	7.8	70 - 130	30	
1,1,1-Trichloroethane	ND	5.0	89	99	10.6	93	105	12.1	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	3.0	103	111	7.5	46	63	31.2	70 - 130	30	m,r
1,1,2-Trichloroethane	ND	5.0	102	113	10.2	110	115	4.4	70 - 130	30	
1,1-Dichloroethane	ND	5.0	87	96	9.8	91	101	10.4	70 - 130	30	
1,1-Dichloroethene	ND	5.0	88	100	12.8	90	104	14.4	70 - 130	30	
1,1-Dichloropropene	ND	5.0	92	97	5.3	87	98	11.9	70 - 130	30	
1,2,3-Trichlorobenzene	ND	5.0	101	109	7.6	56	60	6.9	70 - 130	30	m
1,2,3-Trichloropropane	ND	5.0	103	108	4.7	117	127	8.2	70 - 130	30	
1,2,4-Trichlorobenzene	ND	5.0	97	101	4.0	58	61	5.0	70 - 130	30	m
1,2,4-Trimethylbenzene	ND	1.0	88	93	5.5	90	95	5.4	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	5.0	119	124	4.1	113	128	12.4	70 - 130	30	
1,2-Dibromoethane	ND	5.0	103	112	8.4	102	112	9.3	70 - 130	30	
1,2-Dichlorobenzene	ND	5.0	95	101	6.1	90	94	4.3	70 - 130	30	
1,2-Dichloroethane	ND	5.0	96	103	7.0	100	106	5.8	70 - 130	30	
1,2-Dichloropropane	ND	5.0	89	96	7.6	96	103	7.0	70 - 130	30	
1,3,5-Trimethylbenzene	ND	1.0	89	95	6.5	93	100	7.3	70 - 130	30	
1,3-Dichlorobenzene	ND	5.0	92	98	6.3	83	88	5.8	70 - 130	30	
1,3-Dichloropropane	ND	5.0	99	105	5.9	103	111	7.5	70 - 130	30	
1,4-Dichlorobenzene	ND	5.0	97	103	6.0	86	90	4.5	70 - 130	30	
2,2-Dichloropropane	ND	5.0	89	98	9.6	85	95	11.1	70 - 130	30	
2-Chlorotoluene	ND	5.0	91	95	4.3	96	104	8.0	70 - 130	30	
2-Hexanone	ND	25	105	108	2.8	93	100	7.3	70 - 130	30	
2-Isopropyltoluene	ND	5.0	92	98	6.3	89	97	8.6	70 - 130	30	
4-Chlorotoluene	ND	5.0	94	99	5.2	91	99	8.4	70 - 130	30	
4-Methyl-2-pentanone	ND	25	104	109	4.7	105	110	4.7	70 - 130	30	
Acetone	ND	20	127	135	6.1	119	138	14.8	70 - 130	30	l,m
Acrylonitrile	ND	5.0	104	108	3.8	106	113	6.4	70 - 130	30	
Benzene	ND	1.0	92	99	7.3	96	103	7.0	70 - 130	30	
Bromobenzene	ND	5.0	94	101	7.2	100	104	3.9	70 - 130	30	
Bromochloromethane	ND	5.0	97	108	10.7	103	109	5.7	70 - 130	30	
Bromodichloromethane	ND	5.0	94	101	7.2	99	105	5.9	70 - 130	30	
Bromoform	ND	5.0	99	107	7.8	99	105	5.9	70 - 130	30	
Bromomethane	ND	5.0	94	106	12.0	93	104	11.2	70 - 130	30	
Carbon Disulfide	ND	5.0	90	100	10.5	81	94	14.9	70 - 130	30	

QA/QC Data

SDG I.D.: GCQ26127

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Carbon tetrachloride	ND	5.0	89	100	11.6	89	103	14.6	70 - 130	30	
Chlorobenzene	ND	5.0	93	101	8.2	91	97	6.4	70 - 130	30	
Chloroethane	ND	5.0	88	97	9.7	92	97	5.3	70 - 130	30	
Chloroform	ND	5.0	83	94	12.4	89	100	11.6	70 - 130	30	
Chloromethane	ND	5.0	82	90	9.3	83	92	10.3	70 - 130	30	
cis-1,2-Dichloroethene	ND	5.0	91	104	13.3	95	105	10.0	70 - 130	30	
cis-1,3-Dichloropropene	ND	5.0	97	103	6.0	93	98	5.2	70 - 130	30	
Dibromochloromethane	ND	3.0	99	108	8.7	105	112	6.5	70 - 130	30	
Dibromomethane	ND	5.0	102	107	4.8	104	109	4.7	70 - 130	30	
Dichlorodifluoromethane	ND	5.0	79	91	14.1	49	58	16.8	70 - 130	30	m
Ethylbenzene	ND	1.0	89	96	7.6	89	98	9.6	70 - 130	30	
Hexachlorobutadiene	ND	5.0	90	96	6.5	41	53	25.5	70 - 130	30	m
Isopropylbenzene	ND	1.0	93	98	5.2	99	108	8.7	70 - 130	30	
m&p-Xylene	ND	2.0	89	97	8.6	88	94	6.6	70 - 130	30	
Methyl ethyl ketone	ND	5.0	108	117	8.0	100	120	18.2	70 - 130	30	
Methyl t-butyl ether (MTBE)	ND	1.0	94	105	11.1	106	116	9.0	70 - 130	30	
Methylene chloride	ND	5.0	81	92	12.7	91	101	10.4	70 - 130	30	
Naphthalene	ND	5.0	112	116	3.5	77	87	12.2	70 - 130	30	
n-Butylbenzene	ND	1.0	93	99	6.3	70	81	14.6	70 - 130	30	
n-Propylbenzene	ND	1.0	93	99	6.3	92	101	9.3	70 - 130	30	
o-Xylene	ND	2.0	91	98	7.4	91	98	7.4	70 - 130	30	
p-Isopropyltoluene	ND	1.0	93	98	5.2	83	92	10.3	70 - 130	30	
sec-Butylbenzene	ND	1.0	91	95	4.3	82	91	10.4	70 - 130	30	
Styrene	ND	5.0	86	93	7.8	79	86	8.5	70 - 130	30	
tert-Butylbenzene	ND	1.0	90	95	5.4	91	100	9.4	70 - 130	30	
Tetrachloroethene	ND	5.0	99	103	4.0	91	99	8.4	70 - 130	30	
Tetrahydrofuran (THF)	ND	5.0	100	107	6.8	102	119	15.4	70 - 130	30	
Toluene	ND	1.0	93	99	6.3	93	101	8.2	70 - 130	30	
trans-1,2-Dichloroethene	ND	5.0	92	102	10.3	91	103	12.4	70 - 130	30	
trans-1,3-Dichloropropene	ND	5.0	99	106	6.8	91	95	4.3	70 - 130	30	
trans-1,4-dichloro-2-butene	ND	5.0	111	116	4.4	101	106	4.8	70 - 130	30	
Trichloroethene	ND	5.0	96	103	7.0	139	141	1.4	70 - 130	30	m
Trichlorofluoromethane	ND	5.0	89	99	10.6	91	105	14.3	70 - 130	30	
Trichlorotrifluoroethane	ND	5.0	96	103	7.0	93	107	14.0	70 - 130	30	
Vinyl chloride	ND	5.0	86	95	9.9	86	79	8.5	70 - 130	30	
% 1,2-dichlorobenzene-d4	97	%	104	103	1.0	103	102	1.0	70 - 130	30	
% Bromofluorobenzene	104	%	99	102	3.0	95	97	2.1	70 - 130	30	
% Dibromofluoromethane	121	%	103	107	3.8	106	108	1.9	70 - 130	30	
% Toluene-d8	95	%	103	104	1.0	102	104	1.9	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 722395 (ug/kg), QC Sample No: CQ26359 (CQ26128, CQ26130, CQ26131)

Volatiles - Soil (Low Level)

1,1,1,2-Tetrachloroethane	ND	5.0	107	106	0.9	92	88	4.4	70 - 130	30	
1,1,1-Trichloroethane	ND	5.0	104	103	1.0	79	77	2.6	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	3.0	102	105	2.9	103	99	4.0	70 - 130	30	
1,1,2-Trichloroethane	ND	5.0	101	103	2.0	98	98	0.0	70 - 130	30	
1,1-Dichloroethane	ND	5.0	99	100	1.0	83	81	2.4	70 - 130	30	
1,1-Dichloroethene	ND	5.0	100	98	2.0	72	71	1.4	70 - 130	30	
1,1-Dichloropropene	ND	5.0	106	104	1.9	78	76	2.6	70 - 130	30	
1,2,3-Trichlorobenzene	ND	5.0	106	109	2.8	69	62	10.7	70 - 130	30	m

QA/QC Data

SDG I.D.: GCQ26127

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
1,2,3-Trichloropropane	ND	5.0	99	102	3.0	98	98	0.0	70 - 130	30	
1,2,4-Trichlorobenzene	ND	5.0	111	110	0.9	69	62	10.7	70 - 130	30	m
1,2,4-Trimethylbenzene	ND	1.0	109	108	0.9	82	77	6.3	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	5.0	98	101	3.0	89	92	3.3	70 - 130	30	
1,2-Dibromoethane	ND	5.0	102	103	1.0	99	96	3.1	70 - 130	30	
1,2-Dichlorobenzene	ND	5.0	99	100	1.0	79	76	3.9	70 - 130	30	
1,2-Dichloroethane	ND	5.0	97	98	1.0	96	93	3.2	70 - 130	30	
1,2-Dichloropropane	ND	5.0	102	103	1.0	91	89	2.2	70 - 130	30	
1,3,5-Trimethylbenzene	ND	1.0	109	109	0.0	82	76	7.6	70 - 130	30	
1,3-Dichlorobenzene	ND	5.0	103	103	0.0	78	73	6.6	70 - 130	30	
1,3-Dichloropropane	ND	5.0	101	102	1.0	98	95	3.1	70 - 130	30	
1,4-Dichlorobenzene	ND	5.0	101	102	1.0	79	74	6.5	70 - 130	30	
2,2-Dichloropropane	ND	5.0	98	100	2.0	73	74	1.4	70 - 130	30	
2-Chlorotoluene	ND	5.0	106	106	0.0	80	75	6.5	70 - 130	30	
2-Hexanone	ND	25	103	103	0.0	102	103	1.0	70 - 130	30	
2-Isopropyltoluene	ND	5.0	108	108	0.0	78	72	8.0	70 - 130	30	
4-Chlorotoluene	ND	5.0	106	106	0.0	81	76	6.4	70 - 130	30	
4-Methyl-2-pentanone	ND	25	106	108	1.9	113	113	0.0	70 - 130	30	
Acetone	ND	10	72	73	1.4	72	72	0.0	70 - 130	30	
Acrylonitrile	ND	5.0	97	101	4.0	96	94	2.1	70 - 130	30	
Benzene	ND	1.0	101	99	2.0	84	81	3.6	70 - 130	30	
Bromobenzene	ND	5.0	101	101	0.0	86	83	3.6	70 - 130	30	
Bromochloromethane	ND	5.0	96	96	0.0	90	88	2.2	70 - 130	30	
Bromodichloromethane	ND	5.0	100	104	3.9	93	89	4.4	70 - 130	30	
Bromoform	ND	5.0	105	106	0.9	98	95	3.1	70 - 130	30	
Bromomethane	ND	5.0	97	97	0.0	78	73	6.6	70 - 130	30	
Carbon Disulfide	ND	5.0	101	101	0.0	74	69	7.0	70 - 130	30	m
Carbon tetrachloride	ND	5.0	105	105	0.0	78	76	2.6	70 - 130	30	
Chlorobenzene	ND	5.0	102	100	2.0	84	81	3.6	70 - 130	30	
Chloroethane	ND	5.0	104	102	1.9	84	80	4.9	70 - 130	30	
Chloroform	ND	5.0	98	99	1.0	85	80	6.1	70 - 130	30	
Chloromethane	ND	5.0	101	99	2.0	81	76	6.4	70 - 130	30	
cis-1,2-Dichloroethene	ND	5.0	94	95	1.1	89	85	4.6	70 - 130	30	
cis-1,3-Dichloropropene	ND	5.0	109	109	0.0	97	94	3.1	70 - 130	30	
Dibromochloromethane	ND	3.0	105	106	0.9	97	94	3.1	70 - 130	30	
Dibromomethane	ND	5.0	95	99	4.1	95	93	2.1	70 - 130	30	
Dichlorodifluoromethane	ND	5.0	99	98	1.0	69	65	6.0	70 - 130	30	m
Ethylbenzene	ND	1.0	106	103	2.9	82	77	6.3	70 - 130	30	
Hexachlorobutadiene	ND	5.0	105	107	1.9	53	40	28.0	70 - 130	30	m
Isopropylbenzene	ND	1.0	112	109	2.7	81	77	5.1	70 - 130	30	
m&p-Xylene	ND	2.0	107	105	1.9	84	78	7.4	70 - 130	30	
Methyl ethyl ketone	ND	5.0	88	92	4.4	95	92	3.2	70 - 130	30	
Methyl t-butyl ether (MTBE)	ND	1.0	95	99	4.1	98	95	3.1	70 - 130	30	
Methylene chloride	ND	5.0	88	89	1.1	82	77	6.3	70 - 130	30	
Naphthalene	ND	5.0	111	114	2.7	78	73	6.6	70 - 130	30	
n-Butylbenzene	ND	1.0	114	110	3.6	71	62	13.5	70 - 130	30	m
n-Propylbenzene	ND	1.0	107	107	0.0	79	72	9.3	70 - 130	30	
o-Xylene	ND	2.0	111	108	2.7	88	83	5.8	70 - 130	30	
p-Isopropyltoluene	ND	1.0	111	110	0.9	75	68	9.8	70 - 130	30	m
sec-Butylbenzene	ND	1.0	108	109	0.9	74	67	9.9	70 - 130	30	m
Styrene	ND	5.0	110	111	0.9	88	84	4.7	70 - 130	30	
tert-Butylbenzene	ND	1.0	108	108	0.0	77	71	8.1	70 - 130	30	
Tetrachloroethene	ND	5.0	104	101	2.9	78	72	8.0	70 - 130	30	

QA/QC Data

SDG I.D.: GCQ26127

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Tetrahydrofuran (THF)	ND	5.0	99	102	3.0	104	105	1.0	70 - 130	30	
Toluene	ND	1.0	102	100	2.0	84	80	4.9	70 - 130	30	
trans-1,2-Dichloroethene	ND	5.0	101	100	1.0	81	75	7.7	70 - 130	30	
trans-1,3-Dichloropropene	ND	5.0	110	111	0.9	101	99	2.0	70 - 130	30	
trans-1,4-dichloro-2-butene	ND	5.0	114	117	2.6	107	107	0.0	70 - 130	30	
Trichloroethene	ND	5.0	101	100	1.0	79	75	5.2	70 - 130	30	
Trichlorofluoromethane	ND	5.0	107	103	3.8	79	74	6.5	70 - 130	30	
Trichlorotrifluoroethane	ND	5.0	101	102	1.0	75	69	8.3	70 - 130	30	m
Vinyl chloride	ND	5.0	102	102	0.0	77	72	6.7	70 - 130	30	
% 1,2-dichlorobenzene-d4	101	%	98	101	3.0	98	99	1.0	70 - 130	30	
% Bromofluorobenzene	96	%	101	100	1.0	100	101	1.0	70 - 130	30	
% Dibromofluoromethane	97	%	95	101	6.1	94	99	5.2	70 - 130	30	
% Toluene-d8	101	%	99	99	0.0	101	101	0.0	70 - 130	30	

Comment:

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

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

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

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

Phyllis Shiller, Laboratory Director
April 03, 2024

Wednesday, April 03, 2024

Criteria: CT: GAM, GBM, I/C, RC

State: CT

Sample Criteria Exceedances Report

GCQ26127 - TIGHE-DAS

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CQ26127	$ETPH_SMR	Ext. Petroleum H.C. (C9-C36)	CT / RSR DEC RES (mg/kg) / Pest/PCB/TPH	570	290	500	500	mg/Kg
CQ26127	$ETPH_SMR	Ext. Petroleum H.C. (C9-C36)	CT / RSR GA (mg/kg) / Pesticides/TPH	570	290	500	500	mg/Kg
CQ26127	$PEST_SMR	4,4' -DDT	CT / RSR GA,GAA (mg/kg) / APS Organics	4.9	1.5	3	3	ug/Kg
CQ26128	$PEST_SMR	4,4' -DDT	CT / RSR GA,GAA (mg/kg) / APS Organics	6.3	1.5	3	3	ug/Kg
CQ26130	$PEST_SMR	4,4' -DDT	CT / RSR GA,GAA (mg/kg) / APS Organics	6.6	1.6	3	3	ug/Kg
CQ26131	$PCB_SOXR	Total PCBs	CT / Requested PCB RL /	190	100	100	100	ug/Kg
CQ26131	$PCB_SOXR	PCB-1260	CT / Requested PCB RL /	190	100	100	100	ug/Kg
CQ26132	$8270-SMR	Benzo(a)pyrene	CT / RSR DEC I/C (mg/kg) / Semivolatiles	1500	260	1000	1000	ug/Kg
CQ26132	$8270-SMR	Benzo(b)fluoranthene	CT / RSR DEC RES (mg/kg) / Semivolatiles	1900	260	1000	1000	ug/Kg
CQ26132	$8270-SMR	Benz(a)anthracene	CT / RSR DEC RES (mg/kg) / Semivolatiles	1700	260	1000	1000	ug/Kg
CQ26132	$8270-SMR	Benzo(a)pyrene	CT / RSR DEC RES (mg/kg) / Semivolatiles	1500	260	1000	1000	ug/Kg
CQ26132	$8270-SMR	Benzo(b)fluoranthene	CT / RSR GA (mg/kg) / Semivolatiles	1900	260	1000	1000	ug/Kg
CQ26132	$8270-SMR	Benz(a)anthracene	CT / RSR GA (mg/kg) / Semivolatiles	1700	260	1000	1000	ug/Kg
CQ26132	$8270-SMR	Benzo(a)pyrene	CT / RSR GA (mg/kg) / Semivolatiles	1500	260	1000	1000	ug/Kg
CQ26132	$8270-SMR	Chrysene	CT / RSR GA,GAA (mg/kg) / APS Organics	1500	260	1000	1000	ug/Kg
CQ26132	$8270-SMR	Chrysene	CT / RSR GB (mg/kg) / APS Organics	1500	260	1000	1000	ug/Kg
CQ26132	$8270-SMR	Benz(a)anthracene	CT / RSR GB (mg/kg) / Semivolatiles	1700	260	1000	1000	ug/Kg
CQ26132	$8270-SMR	Benzo(a)pyrene	CT / RSR GB (mg/kg) / Semivolatiles	1500	260	1000	1000	ug/Kg
CQ26132	$8270-SMR	Benzo(b)fluoranthene	CT / RSR GB (mg/kg) / Semivolatiles	1900	260	1000	1000	ug/Kg
CQ26132	$PCB_SOXR	Total PCBs	CT / Requested PCB RL /	110	100	100	100	ug/Kg
CQ26132	$PCB_SOXR	PCB-1260	CT / Requested PCB RL /	110	100	100	100	ug/Kg
CQ26132	$PEST_SMR	4,4' -DDT	CT / RSR GA,GAA (mg/kg) / APS Organics	14	7.5	3	3	ug/Kg
CQ26132	$PEST_SMR	4,4' -DDE	CT / RSR GA,GAA (mg/kg) / APS Organics	10	1.5	3	3	ug/Kg
CQ26133	$8270-SMR	Benz(a)anthracene	CT / RSR DEC RES (mg/kg) / Semivolatiles	1100	260	1000	1000	ug/Kg
CQ26133	$8270-SMR	Benzo(b)fluoranthene	CT / RSR DEC RES (mg/kg) / Semivolatiles	1200	260	1000	1000	ug/Kg
CQ26133	$8270-SMR	Benz(a)anthracene	CT / RSR GA (mg/kg) / Semivolatiles	1100	260	1000	1000	ug/Kg
CQ26133	$8270-SMR	Benzo(b)fluoranthene	CT / RSR GA (mg/kg) / Semivolatiles	1200	260	1000	1000	ug/Kg
CQ26133	$8270-SMR	Benzo(b)fluoranthene	CT / RSR GB (mg/kg) / Semivolatiles	1200	260	1000	1000	ug/Kg
CQ26133	$8270-SMR	Benz(a)anthracene	CT / RSR GB (mg/kg) / Semivolatiles	1100	260	1000	1000	ug/Kg
CQ26133	$PCB_SOXR	Total PCBs	CT / Requested PCB RL /	180	100	100	100	ug/Kg
CQ26133	$PCB_SOXR	PCB-1260	CT / Requested PCB RL /	180	100	100	100	ug/Kg
CQ26138	$PEST_SMR	Chlordane	CT / RSR GA (mg/kg) / Pesticides/TPH	170	41	66	66	ug/Kg
CQ26138	$PEST_SMR	4,4' -DDE	CT / RSR GA,GAA (mg/kg) / APS Organics	22	8.2	3	3	ug/Kg
CQ26138	$PEST_SMR	4,4' -DDT	CT / RSR GA,GAA (mg/kg) / APS Organics	11	8.2	3	3	ug/Kg
CQ26138	$PEST_SMR	Chlordane	CT / RSR GA,GAA (mg/kg) / APS Organics	170	41	66	66	ug/Kg
CQ26138	$PEST_SMR	4,4' -DDE	CT / RSR GB (mg/kg) / APS Organics	22	8.2	20	20	ug/Kg
CQ26138	$PEST_SMR	Chlordane	CT / RSR GB (mg/kg) / APS Organics	170	41	66	66	ug/Kg

Wednesday, April 03, 2024

Criteria: CT: GAM, GBM, I/C, RC

State: CT

Sample Criteria Exceedances Report

GCQ26127 - TIGHE-DAS

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CQ26138	$PEST_SMR	Chlordane	CT / RSR GB (mg/kg) / Pesticides/TPH	170	41	66	66	ug/Kg
CQ26141	$8270-SMR	Benzo(b)fluoranthene	CT / RSR DEC RES (mg/kg) / Semivolatiles	1100	280	1000	1000	ug/Kg
CQ26141	$8270-SMR	Benzo(b)fluoranthene	CT / RSR GA (mg/kg) / Semivolatiles	1100	280	1000	1000	ug/Kg
CQ26141	$8270-SMR	Benzo(b)fluoranthene	CT / RSR GB (mg/kg) / Semivolatiles	1100	280	1000	1000	ug/Kg
CQ26141	$PEST_SMR	Chlordane	CT / RSR GA (mg/kg) / Pesticides/TPH	68	41	66	66	ug/Kg
CQ26141	$PEST_SMR	Chlordane	CT / RSR GA,GAA (mg/kg) / APS Organics	68	41	66	66	ug/Kg
CQ26141	$PEST_SMR	4,4' -DDT	CT / RSR GA,GAA (mg/kg) / APS Organics	9.7	8.2	3	3	ug/Kg
CQ26141	$PEST_SMR	4,4' -DDE	CT / RSR GA,GAA (mg/kg) / APS Organics	21	8.2	3	3	ug/Kg
CQ26141	$PEST_SMR	Chlordane	CT / RSR GB (mg/kg) / APS Organics	68	41	66	66	ug/Kg
CQ26141	$PEST_SMR	4,4' -DDE	CT / RSR GB (mg/kg) / APS Organics	21	8.2	20	20	ug/Kg
CQ26141	$PEST_SMR	Chlordane	CT / RSR GB (mg/kg) / Pesticides/TPH	68	41	66	66	ug/Kg
CQ26144	$8270-SMR	Benzo(b)fluoranthene	CT / RSR DEC RES (mg/kg) / Semivolatiles	1100	280	1000	1000	ug/Kg
CQ26144	$8270-SMR	Benzo(b)fluoranthene	CT / RSR GA (mg/kg) / Semivolatiles	1100	280	1000	1000	ug/Kg
CQ26144	$8270-SMR	Benzo(b)fluoranthene	CT / RSR GB (mg/kg) / Semivolatiles	1100	280	1000	1000	ug/Kg
CQ26144	$PEST_SMR	Chlordane	CT / RSR GA (mg/kg) / Pesticides/TPH	97	40	66	66	ug/Kg
CQ26144	$PEST_SMR	4,4' -DDD	CT / RSR GA,GAA (mg/kg) / APS Organics	5.2	1.6	3	3	ug/Kg
CQ26144	$PEST_SMR	4,4' -DDE	CT / RSR GA,GAA (mg/kg) / APS Organics	17	8.0	3	3	ug/Kg
CQ26144	$PEST_SMR	4,4' -DDT	CT / RSR GA,GAA (mg/kg) / APS Organics	11	8.0	3	3	ug/Kg
CQ26144	$PEST_SMR	Chlordane	CT / RSR GA,GAA (mg/kg) / APS Organics	97	40	66	66	ug/Kg
CQ26144	$PEST_SMR	Chlordane	CT / RSR GB (mg/kg) / APS Organics	97	40	66	66	ug/Kg
CQ26144	$PEST_SMR	Chlordane	CT / RSR GB (mg/kg) / Pesticides/TPH	97	40	66	66	ug/Kg

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Phoenix Environmental Labs, Inc. ***Client:***

Project Location: OLSON DRIVE ***Project Number:***

Laboratory Sample ID(s): CQ26127, CQ26128, CQ26130-CQ26133, CQ26135, CQ26138, CQ26141, CQ26144 ***Sampling Date(s):*** 3/12/2024

List RCP Methods Used (e.g., 8260, 8270, et cetera) 1311/1312, 6010, 7470/7471, 8081, 8082, 8260, 8270, ETPH

1	**For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?**	☑ Yes ☐ No
1A	**Were the method specified preservation and holding time requirements met?**	☑ Yes ☐ No
1B	***VPH and EPH methods only:*** **Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)**	☐ Yes ☐ No ☑ NA
2	**Were all samples received by the laboratory in a condition consistent with that described on the associated Chain-of-Custody document(s)?**	☑ Yes ☐ No
3	**Were samples received at an appropriate temperature (< 6 Degrees C)?**	☑ Yes ☐ No ☐ NA
4	**Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents acheived? See Sections: ETPH Narration, SVOA Narration, VOA Narration.**	☐ Yes ☑ No
5	**a) Were reporting limits specified or referenced on the chain-of-custody?** **b) Were these reporting limits met?**	☑ Yes ☐ No ☑ Yes ☐ No
6	**For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?**	☑ Yes ☐ No
7	**Are project-specific matrix spikes and laboratory duplicates included in the data set?**	☑ Yes ☐ No

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence". This form may not be altered and all questions must be answered.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: Phyllis Shiller **Position:** Laboratory Director

Printed Name: Phyllis Shiller **Date:** Wednesday, April 03, 2024

Name of Laboratory Phoenix Environmental Labs, Inc.

This certification form is to be used for RCP methods only.

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

NY # 11301

RCP Certification Report

April 03, 2024

SDG I.D.: GCQ26127

ETPH Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? No.

QC Batch 722281 (Samples: CQ26127, CQ26128): -----

The LCS/LCSD recovery is above the upper range, therefore a slight high bias is possible. (Ext. Petroleum H.C. (C9-C36))

Instrument:

AU-FID2 03/18/24-1 Jeff Bucko, Chemist 03/18/24

CQ26128 (5X), CQ26138 (5X)

The initial calibration (ETPH123I) RSD for the compound list was less than 30% except for the following compounds: None.
As per section 7.2.3, a discrimination check standard was run (318A005_1) and contained the following outliers: None.
The continuing calibration %D for the compound list was less than 30% except for the following compounds:None.

AU-FID21 03/18/24-1 Jeff Bucko, Chemist 03/18/24

CQ26130 (5X), CQ26131 (5X), CQ26132 (5X), CQ26133 (5X), CQ26135 (5X)

The initial calibration (ETPH130I) RSD for the compound list was less than 30% except for the following compounds: None.
As per section 7.2.3, a discrimination check standard was run (318A005_1) and contained the following outliers: None.
The continuing calibration %D for the compound list was less than 30% except for the following compounds:None.

AU-FID84 03/18/24-1 Jeff Bucko, Chemist 03/18/24

CQ26127 (5X)

The initial calibration (ET_129I) RSD for the compound list was less than 30% except for the following compounds: None.
As per section 7.2.3, a discrimination check standard was run (318A005_1) and contained the following outliers: None.
The continuing calibration %D for the compound list was less than 30% except for the following compounds:None.

AU-FID84 03/19/24-1 Jeff Bucko, Chemist 03/19/24

CQ26141 (5X), CQ26144 (5X)

The initial calibration (ET_129I) RSD for the compound list was less than 30% except for the following compounds: None.
As per section 7.2.3, a discrimination check standard was run (319A003_1) and contained the following outliers: None.
The continuing calibration %D for the compound list was less than 30% except for the following compounds:None.

QC (Batch Specific):

Batch 722281 (CQ26061)

CQ26127, CQ26128

All LCS recoveries were within 60 - 120 with the following exceptions: Ext. Petroleum H.C. (C9-C36)(128%)
All LCSD recoveries were within 60 - 120 with the following exceptions: Ext. Petroleum H.C. (C9-C36)(121%)
All LCS/LCSD RPDs were less than 30% with the following exceptions: None.
Additional surrogate criteria: LCS acceptance range is 60-120% MS acceptance range 50-150%. The ETPH/DRO LCS has been normalized based on the alkane calibration.

Batch 722312 (CQ27078)

CQ26130, CQ26131, CQ26132, CQ26133, CQ26135, CQ26138, CQ26141, CQ26144

All LCS recoveries were within 60 - 120 with the following exceptions: None.
All LCSD recoveries were within 60 - 120 with the following exceptions: None.
All LCS/LCSD RPDs were less than 30% with the following exceptions: None.
Additional surrogate criteria: LCS acceptance range is 60-120% MS acceptance range 50-150%. The ETPH/DRO LCS has been normalized based on the alkane calibration.

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

RCP Certification Report

April 03, 2024

SDG I.D.: GCQ26127

Herbicide Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument:

AU-ECD12 03/28/24-1 Jeff Bucko, Chemist 03/28/24

CQ26133 (1X), CQ26138 (1X), CQ26141 (1X)

The initial calibration (HRB307AI) RSD for the compound list was less than 20% except for the following compounds: None.
The initial calibration (HRB307BI) RSD for the compound list was less than 20% except for the following compounds: None.
The continuing calibration %D for the compound list was less than 15% except for the following compounds:None.

AU-ECD2 03/27/24-1 Jeff Bucko, Chemist 03/27/24

CQ26133 (10X), CQ26138 (10X), CQ26141 (10X)

The initial calibration (HRB102AI) RSD for the compound list was less than 20% except for the following compounds: None.
The initial calibration (HRB102BI) RSD for the compound list was less than 20% except for the following compounds: None.
The continuing calibration %D for the compound list was less than 15% except for the following compounds:None.

QC (Batch Specific):

Batch 723943 (CQ29326)

CQ26133, CQ26138, CQ26141

All LCS recoveries were within 40 - 140 with the following exceptions: None.
All LCSD recoveries were within 40 - 140 with the following exceptions: None.
All LCS/LCSD RPDs were less than 30% with the following exceptions: None.
Additional criteria: LCS acceptance range is 40-140% MS acceptance range 30-150%.

Batch 724063 (CQ34595)

CQ26133, CQ26138, CQ26141

All LCS recoveries were within 40 - 140 with the following exceptions: None.
All LCSD recoveries were within 40 - 140 with the following exceptions: None.
All LCS/LCSD RPDs were less than 20% with the following exceptions: None.
Additional criteria: LCS acceptance range is 40-140% MS acceptance range 30-150%.

Mercury Narration

Were all QA/QC performance criteria specified in the analytical method achieved? Yes.

Instrument:

MERLIN 03/14/24 14:45 Grace White, Zade-Anne Taylor, Chemist 03/14/24

CQ26127, CQ26128, CQ26130, CQ26131, CQ26132, CQ26133, CQ26135, CQ26138

The method preparation blank, ICB, and CCBs contain all of the acids and reagents as the samples.
The initial calibration met all criteria including a standard run at or below the reporting level.
All calibration verification standards (ICV, CCV) met criteria.
All calibration blank verification standards (ICB, CCB) met criteria.
The matrix spike sample is used to identify spectral interference for each batch of samples, if within 85-115%, no interference is observed and no further action is taken.
The following Initial Calibration Verification (ICV) compounds did not meet criteria: None.
The following Continuing Calibration Verification (CCV) compounds did not meet criteria: None.

MERLIN 03/14/24 17:22 Zade-Anne Taylor, Chemist 03/14/24

CQ26141, CQ26144

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

Certification Report

April 03, 2024

SDG I.D.: GCQ26127

Mercury Narration

The method preparation blank, ICB, and CCBs contain all of the acids and reagents as the samples.
The initial calibration met all criteria including a standard run at or below the reporting level.
All calibration verification standards (ICV, CCV) met criteria.
All calibration blank verification standards (ICB, CCB) met criteria.
The matrix spike sample is used to identify spectral interference for each batch of samples, if within 85-115%, no interference is observed and no further action is taken.
The following Initial Calibration Verification (ICV) compounds did not meet criteria: None.
The following Continuing Calibration Verification (CCV) compounds did not meet criteria: None.

MERLIN 03/27/24 09:15 Grace White, Zade-Anne Taylor, Chemist 03/27/24

CQ26133, CQ26138

The method preparation blank, ICB, and CCBs contain all of the acids and reagents as the samples.
The initial calibration met all criteria including a standard run at or below the reporting level.
All calibration verification standards (ICV, CCV) met criteria.
All calibration blank verification standards (ICB, CCB) met criteria.
The matrix spike sample is used to identify spectral interference for each batch of samples, if within 85-115%, no interference is observed and no further action is taken.
The following Initial Calibration Verification (ICV) compounds did not meet criteria: None.
The following Continuing Calibration Verification (CCV) compounds did not meet criteria: None.

QC (Batch Specific):

Batch 722161 (CQ26057)

CQ26127, CQ26128, CQ26130, CQ26131, CQ26132, CQ26133, CQ26135, CQ26138, CQ26141, CQ26144

All LCS recoveries were within 70 - 130 with the following exceptions: None.
All LCSD recoveries were within 70 - 130 with the following exceptions: None.
All LCS/LCSD RPDs were less than 30% with the following exceptions: None.
Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%. MS acceptance range is 75-125%.

Batch 724045 (CQ35515)

CQ26133, CQ26138

All LCS recoveries were within 80 - 120 with the following exceptions: None.
Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%. MS acceptance range is 75-125%.

ICP Metals Narration

Were all QA/QC performance criteria specified in the analytical method achieved? Yes.

Instrument:

ARCOS 03/27/24 12:10 Tina Hall, Chemist 03/27/24

CQ26127, CQ26133, CQ26138, CQ26144

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).The linear range is defined daily by the calibration range.
The following Initial Calibration Verification (ICV) compounds did not meet criteria: None.
The following Continuing Calibration Verification (CCV) compounds did not meet criteria: None.
The following ICP Interference Check (ICSAB) compounds did not meet criteria: None.

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

Certification Report

April 03, 2024

SDG I.D.: GCQ26127

ICP Metals Narration

ARCOS-3 03/14/24 08:24 Tina Hall, Chemist 03/14/24

CQ26127, CQ26128, CQ26130, CQ26131, CQ26132, CQ26133, CQ26135, CQ26138, CQ26141, CQ26144

The linear range is defined daily by the calibration range.
The following Initial Calibration Verification (ICV) compounds did not meet criteria: None.
The following Continuing Calibration Verification (CCV) compounds did not meet criteria: None.
The following ICP Interference Check (ICSAB) compounds did not meet criteria: None.

QC (Batch Specific):

Batch 722078 (CQ26055)

CQ26127, CQ26128, CQ26130, CQ26131, CQ26132, CQ26133

All LCS recoveries were within 75 - 125 with the following exceptions: None.
All LCSD recoveries were within 75 - 125 with the following exceptions: None.
All LCS/LCSD RPDs were less than 35% with the following exceptions: None.
Additional Criteria: LCS acceptance range is 80-120% MS acceptance range 75-125%.

Batch 722089 (CQ26451)

CQ26135, CQ26138, CQ26141, CQ26144

All LCS recoveries were within 75 - 125 with the following exceptions: None.
All LCSD recoveries were within 75 - 125 with the following exceptions: None.
All LCS/LCSD RPDs were less than 35% with the following exceptions: None.
Additional Criteria: LCS acceptance range is 80-120% MS acceptance range 75-125%.

Batch 724050 (CQ24638)

CQ26127, CQ26133, CQ26138, CQ26144

All LCS recoveries were within 80 - 120 with the following exceptions: None.
All LCSD recoveries were within 80 - 120 with the following exceptions: None.
All LCS/LCSD RPDs were less than 20% with the following exceptions: None.
Additional Criteria: LCS acceptance range is 80-120% MS acceptance range 75-125%.

PCB Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument:

AU-ECD29 03/14/24-1 Adam Werner, Chemist 03/14/24

CQ26138 (10X)

The initial calibration (PC0306AI) RSD for the compound list was less than 20% except for the following compounds: None.
The initial calibration (PC0306BI) RSD for the compound list was less than 20% except for the following compounds: None.
The continuing calibration %D for the compound list was less than 15% except for the following compounds:None.

AU-ECD48 03/14/24-1 Adam Werner, Chemist 03/14/24

CQ26127 (10X), CQ26130 (10X), CQ26131 (10X), CQ26132 (10X), CQ26135 (10X), CQ26141 (10X), CQ26144 (10X)

The initial calibration (PC0208AI) RSD for the compound list was less than 20% except for the following compounds: None.
The initial calibration (PC0208BI) RSD for the compound list was less than 20% except for the following compounds: None.
The continuing calibration %D for the compound list was less than 15% except for the following compounds:
Samples: CQ26127, CQ26130, CQ26131, CQ26132, CQ26135, CQ26141, CQ26144
Preceding CC 314B007 - None.

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

RCP Certification Report

April 03, 2024

SDG I.D.: GCQ26127

PCB Narration

Succeeding CC 314B020 - PCB 1016 -17%L (%)

AU-ECD7 03/14/24-1 Adam Werner, Chemist 03/14/24

CQ26128 (10X), CQ26133 (10X)

The initial calibration (PC0312AI) RSD for the compound list was less than 20% except for the following compounds: None.
The initial calibration (PC0312BI) RSD for the compound list was less than 20% except for the following compounds: None.
The continuing calibration %D for the compound list was less than 15% except for the following compounds:None.

QC (Batch Specific):

Batch 722054 (CQ23521)

CQ26127, CQ26128, CQ26130, CQ26131, CQ26132, CQ26133, CQ26135, CQ26138, CQ26141, CQ26144

All LCS recoveries were within 40 - 140 with the following exceptions: None.
All LCSD recoveries were within 40 - 140 with the following exceptions: None.
All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

PEST Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument:

AU-ECD33 03/18/24-1 Adam Werner, Chemist 03/18/24

CQ26132 (2X)

The initial calibration (PS0220AI) RSD for the compound list was less than 20% except for the following compounds: None.
The initial calibration (PS0220BI) RSD for the compound list was less than 20% except for the following compounds: None.
The Endrin and DDT breakdown does not exceed 15% except for the following compounds:None.
The Endrin and DDT breakdown does not exceed the maximum of 20% except for the following compounds:None.
The continuing calibration %D for the compound list was less than 20% except for the following compounds:
Samples: CQ26132
Preceding CC 318B019 - None.
Succeeding CC 318B032 - 4,4'-DDD -29%L (20%), Endrin aldehyde 31%H (20%)
A low "1A" standard was run after the samples to demonstrate capability to detect any compounds outside of the CC acceptance criteria. All reported samples were ND for the affected compounds.

AU-ECD33 03/29/24-1 Adam Werner, Chemist 03/29/24

CQ26130 (1X)

The initial calibration (PS0321AI) RSD for the compound list was less than 20% except for the following compounds: None.
The initial calibration (PS0321BI) RSD for the compound list was less than 20% except for the following compounds: None.
The Endrin and DDT breakdown does not exceed 15% except for the following compounds:None.
The Endrin and DDT breakdown does not exceed the maximum of 20% except for the following compounds:None.
The continuing calibration %D for the compound list was less than 20% except for the following compounds:None.

AU-ECD35 03/27/24-1 Adam Werner, Chemist 03/27/24

CQ26138 (1X), CQ26144 (1X)

The initial calibration (AC0319AI) RSD for the compound list was less than 20% except for the following compounds: None.
The initial calibration (AC0319BI) RSD for the compound list was less than 20% except for the following compounds: None.
The Endrin and DDT breakdown does not exceed 15% except for the following compounds:None.
The Endrin and DDT breakdown does not exceed the maximum of 20% except for the following compounds:None.
The continuing calibration %D for the compound list was less than 20% except for the following compounds:None.

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

RCP Certification Report

April 03, 2024

SDG I.D.: GCQ26127

PEST Narration

AU-ECD4 03/18/24-1 Adam Werner, Chemist 03/18/24

CQ26127 (2X), CQ26128 (2X), CQ26130 (2X), CQ26131 (2X)

The initial calibration (PS0304AI) RSD for the compound list was less than 20% except for the following compounds: None.
The initial calibration (PS0304BI) RSD for the compound list was less than 20% except for the following compounds: None.
The Endrin and DDT breakdown does not exceed 15% except for the following compounds:None.
The Endrin and DDT breakdown does not exceed the maximum of 20% except for the following compounds:None.
The continuing calibration %D for the compound list was less than 20% except for the following compounds:None.

AU-ECD4 03/20/24-1 Adam Werner, Chemist 03/20/24

CQ26133 (2X), CQ26135 (2X), CQ26138 (2X), CQ26141 (2X), CQ26144 (2X)

The initial calibration (PS0304AI) RSD for the compound list was less than 20% except for the following compounds: None.
The initial calibration (PS0304BI) RSD for the compound list was less than 20% except for the following compounds: None.
The Endrin and DDT breakdown does not exceed 15% except for the following compounds:None.
The Endrin and DDT breakdown does not exceed the maximum of 20% except for the following compounds:None.
The continuing calibration %D for the compound list was less than 20% except for the following compounds:None.

AU-ECD4 03/27/24-1 Adam Werner, Chemist 03/27/24

CQ26127 (1X)

The initial calibration (PS0326AI) RSD for the compound list was less than 20% except for the following compounds: None.
The initial calibration (PS0326BI) RSD for the compound list was less than 20% except for the following compounds: None.
The Endrin and DDT breakdown does not exceed 15% except for the following compounds:None.
The Endrin and DDT breakdown does not exceed the maximum of 20% except for the following compounds:None.
The continuing calibration %D for the compound list was less than 20% except for the following compounds:None.

QC (Batch Specific):

Batch 722502 (CQ26500)

CQ26127, CQ26128, CQ26130, CQ26131, CQ26132

All LCS recoveries were within 40 - 140 with the following exceptions: None.
All LCSD recoveries were within 40 - 140 with the following exceptions: None.
All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

Batch 722846 (CQ28500)

CQ26133, CQ26135, CQ26138, CQ26141, CQ26144

All LCS recoveries were within 40 - 140 with the following exceptions: None.
All LCSD recoveries were within 40 - 140 with the following exceptions: None.
All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

Batch 724060 (CQ26127)

CQ26127, CQ26138, CQ26144

All LCS recoveries were within 40 - 140 with the following exceptions: None.
All LCSD recoveries were within 40 - 140 with the following exceptions: None.
All LCS/LCSD RPDs were less than 20% with the following exceptions: None.

Batch 724353 (CQ33475)

CQ26130

All LCS recoveries were within 40 - 140 with the following exceptions: None.
All LCSD recoveries were within 40 - 140 with the following exceptions: None.
All LCS/LCSD RPDs were less than 20% with the following exceptions: None.

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

RCP Certification Report

April 03, 2024

SDG I.D.: GCQ26127

PEST Narration

A LCS and LCS duplicate were performed instead of a MS and MSD. Alpha and gamma chlordane were spiked and analyzed instead of technical chlordane. Gamma chlordane recovery is reported as chlordane in the LCS and LCSD

SVOA Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? No.

QC Batch 722296 (Samples: CQ26127): -----

The LCS/LCSD recovery for one analyte is below the lower range. A low bias for this analyte is possible. (Hexachlorocyclopentadiene)

QC Batch 722311 (Samples: CQ26128, CQ26130, CQ26131, CQ26132, CQ26133, CQ26135, CQ26138, CQ26141, CQ26144): -----

The QC recoveries are below the method criteria. A low bias for this analyte is likely. (Benzidine)

The LCS/LCSD recovery for one analyte is below the lower range. A low bias for this analyte is possible. (Pyridine)

The LCS or the LCSD recovery is below the method criteria. All of the other QC is acceptable, therefore no significant bias is suspected. (3,3''-Dichlorobenzidine, Aniline, N-Nitrosodimethylamine)

The LCS/LCSD RPD exceeds the method criteria for one or more analytes, but these analytes were not reported in the sample(s) so no variability is suspected. (3,3''-Dichlorobenzidine, Pyridine)

Instrument:

CHEM22 03/15/24-1 Matt Richard, Chemist 03/15/24

CQ26128 (1X), CQ26130 (1X), CQ26131 (1X), CQ26132 (1X), CQ26133 (1X), CQ26135 (1X), CQ26138 (1X), CQ26141 (1X), CQ26144 (1X)

Initial Calibration Evaluation (CHEM22/22_SPLIT_0307):
100% of target compounds met criteria.
The following compounds had %RSDs >20%: None.
The following compounds did not meet recommended response factors: 2-Nitrophenol 0.084 (0.1), Hexachlorobenzene 0.091 (0.1)
The following compounds did not meet a minimum response factors: None.

Continuing Calibration Verification (CHEM22/0315_03-22_SPLIT_0307):
Internal standard areas were within 50 to 200% of the initial calibration with the following exceptions: None.
100% of target compounds met criteria.
The following compounds did not meet % deviation criteria: None.
The following compounds did not meet maximum % deviations: None.
The following compounds did not meet recommended response factors: Hexachlorobenzene 0.079 (0.1)
The following compounds did not meet minimum response factors: None.

CHEM28 03/14/24-3 Matt Richard, Chemist 03/14/24

CQ26127 (1X)

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.

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

RCP Certification Report

April 03, 2024

SDG I.D.: GCQ26127

SVOA Narration

Initial Calibration Evaluation (CHEM28/28_SPLIT_0313):
100% of target compounds met criteria.
The following compounds had %RSDs >20%: None.
The following compounds did not meet recommended response factors: Hexachlorobenzene 0.083 (0.1)
The following compounds did not meet a minimum response factors: None.

Continuing Calibration Verification (CHEM28/0314_04-28_SPLIT_0313):
Internal standard areas were within 50 to 200% of the initial calibration with the following exceptions: None.
100% of target compounds met criteria.
The following compounds did not meet % deviation criteria: None.
The following compounds did not meet maximum % deviations: None.
The following compounds did not meet recommended response factors: Hexachlorobenzene 0.082 (0.1)
The following compounds did not meet minimum response factors: None.

QC (Batch Specific):

Batch 722296 (CQ26057)

CQ26127

All LCS recoveries were within 40 - 140 with the following exceptions: Hexachlorocyclopentadiene(31%)
All LCSD recoveries were within 40 - 140 with the following exceptions: Hexachlorocyclopentadiene(35%)
All LCS/LCSD RPDs were less than 30% with the following exceptions: None.
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%)

Batch 722311 (CQ26354)

CQ26128, CQ26130, CQ26131, CQ26132, CQ26133, CQ26135, CQ26138, CQ26141, CQ26144

All LCS recoveries were within 40 - 140 with the following exceptions: Aniline(<10%), Benzidine(<10%), Pyridine(38%)
All LCSD recoveries were within 40 - 140 with the following exceptions: 3,3'-Dichlorobenzidine(38%), Benzidine(<10%), N-Nitrosodimethylamine(39%), Pyridine(26%)
All LCS/LCSD RPDs were less than 30% with the following exceptions: 3,3'-Dichlorobenzidine(33.0%), Pyridine(37.5%)
This batch consists of a Blank, LCS, LCSD and MS.
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%)

SVOASIM Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument:

CHEM33 03/27/24-1 Matt Richard, Chemist 03/27/24

CQ26132 (1X), CQ26133 (1X), CQ26141 (1X), CQ26144 (1X)

Initial Calibration Evaluation (CHEM33/33_PAHSIM_0325):
100% of target compounds met criteria.
The following compounds had %RSDs >20%: None.
The following compounds did not meet recommended response factors: None.
The following compounds did not meet a minimum response factors: None.

Continuing Calibration Verification (CHEM33/0327_03-33_PAHSIM_0325):
Internal standard areas were within 50 to 200% of the initial calibration with the following exceptions: None.

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

RCP Certification Report

April 03, 2024

SDG I.D.: GCQ26127

SVOASIM Narration

95% of target compounds met criteria.
The following compounds did not meet % deviation criteria: Benzo(ghi)perylene 35%L (30%)
The following compounds did not meet maximum % deviations: None.
The following compounds did not meet recommended response factors: None.
The following compounds did not meet minimum response factors: None.

QC (Batch Specific):

Batch 724062 (CQ26132)

CQ26132, CQ26133, CQ26141, CQ26144

All LCS recoveries were within 30 - 130 with the following exceptions: None.
All LCSD recoveries were within 30 - 130 with the following exceptions: None.
All LCS/LCSD RPDs were less than 20% with the following exceptions: None.
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%)

VOA Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? No.

QC Batch 722446 (Samples: CQ26132, CQ26133, CQ26135, CQ26138, CQ26141, CQ26144): -----

The LCS/LCSD recovery is acceptable. One or more analytes in the site specific matrix spike recovery is below the method criteria, therefore a low bias for these analytes is possible. (1,1,2,2-Tetrachloroethane, 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, Dichlorodifluoromethane, Hexachlorobutadiene)

The MS/MSD recovery is above the upper range for one analyte that was not reported in the sample(s), therefore no significant bias is suspected. (Trichloroethene)

The MS/MSD RPD exceeds the method criteria for one analyte, therefore there may be variability in the reported result. (1,1,2,2-Tetrachloroethane)

The QC recovery for one analyte is above the upper range but was not reported in the sample(s), therefore no significant bias is suspected. (Acetone)

QC Batch 722663H: -----

The LCS/LCSD recovery is acceptable. One analyte in the site specific MS is below the lower range, no significant bias is suspected. (Acetone)

Instrument:

CHEM18 03/14/24-1 Jane Li, Chemist 03/14/24

CQ26132 (1X, 50X), CQ26133 (1X), CQ26135 (1X), CQ26138 (1X), CQ26141 (1X), CQ26144 (1X)

Initial Calibration Evaluation (CHEM18/VT-M030524):
100% of target compounds met criteria.
The following compounds had %RSDs >20%: None.
The following compounds did not meet Table 4 recommended minimum response factors: None.
The following compounds did not meet the minimum response factor of 0.05: None.

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

RCP Certification Report

April 03, 2024

SDG I.D.: GCQ26127

VOA Narration

Continuing Calibration Verification (CHEM18/0314_02-VT-M030524):
Internal standard areas were within 50 to 200% of the initial calibration with the following exceptions: None.
100% of target compounds met criteria.
The following compounds did not meet % deviation criteria: None.
The following compounds did not meet maximum % deviations: None.
The following compounds did not meet Table 4 recommended minimum response factors: Ethylbenzene 0.391 (0.4)

CHEM31 03/14/24-1 Jane Li, Chemist 03/14/24

CQ26128 (1X), CQ26130 (1X), CQ26131 (1X)

Initial Calibration Evaluation (CHEM31/VT-031324P):
98% of target compounds met criteria.
The following compounds had %RSDs >20%: Acetone 25% (20%), trans-1,4-dichloro-2-butene 21% (20%)
The following compounds did not meet Table 4 recommended minimum response factors: 1,1,2-Trichloroethane 0.152 (0.2), 1,2-Dibromoethane 0.173 (0.2), 1,2-Dichloropropane 0.165 (0.2), Bromodichloromethane 0.251 (0.3), cis-1,3-Dichloropropene 0.272 (0.3), Ethylbenzene 0.312 (0.4), trans-1,3-Dichloropropene 0.256 (0.3)
The following compounds did not meet the minimum response factor of 0.05: None.

Continuing Calibration Verification (CHEM31/0314_02-VT-031324P):
Internal standard areas were within 50 to 200% of the initial calibration with the following exceptions: None.
100% of target compounds met criteria.
The following compounds did not meet % deviation criteria: None.
The following compounds did not meet maximum % deviations: None.
The following compounds did not meet Table 4 recommended minimum response factors: 1,1,2-Trichloroethane 0.154 (0.2), 1,2-Dibromoethane 0.178 (0.2), 1,2-Dichloropropane 0.165 (0.2), Bromodichloromethane 0.255 (0.3), cis-1,3-Dichloropropene 0.291 (0.3), Ethylbenzene 0.320 (0.4), trans-1,3-Dichloropropene 0.280 (0.3)

CHEM31 03/15/24-1 Jane Li, Chemist 03/15/24

CQ26127 (1X, 50X), CQ26130 (50X)

Initial Calibration Evaluation (CHEM31/VT-031324P):
98% of target compounds met criteria.
The following compounds had %RSDs >20%: Acetone 25% (20%), trans-1,4-dichloro-2-butene 21% (20%)
The following compounds did not meet Table 4 recommended minimum response factors: 1,1,2-Trichloroethane 0.152 (0.2), 1,2-Dibromoethane 0.173 (0.2), 1,2-Dichloropropane 0.165 (0.2), Bromodichloromethane 0.251 (0.3), cis-1,3-Dichloropropene 0.272 (0.3), Ethylbenzene 0.312 (0.4), trans-1,3-Dichloropropene 0.256 (0.3)
The following compounds did not meet the minimum response factor of 0.05: None.

Continuing Calibration Verification (CHEM31/0315_02-VT-031324P):
Internal standard areas were within 50 to 200% of the initial calibration with the following exceptions: None.
100% of target compounds met criteria.
The following compounds did not meet % deviation criteria: None.
The following compounds did not meet maximum % deviations: None.
The following compounds did not meet Table 4 recommended minimum response factors: 1,1,2-Trichloroethane 0.147 (0.2), 1,2-Dibromoethane 0.164 (0.2), 1,2-Dichloropropane 0.156 (0.2), Bromodichloromethane 0.238 (0.3), cis-1,3-Dichloropropene 0.276 (0.3), Ethylbenzene 0.287 (0.4), trans-1,3-Dichloropropene 0.269 (0.3), Trichloroethene 0.181 (0.2)

QC (Batch Specific):

Batch 722395 (CQ26359) CHEM31 3/14/2024-1

CQ26128(1X), CQ26130(1X), CQ26131(1X)

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

RCP Certification Report

April 03, 2024

SDG I.D.: GCQ26127

VOA Narration

All LCS recoveries were within 70 - 130 with the following exceptions: None.
All LCSD recoveries were within 70 - 130 with the following exceptions: None.
All LCS/LCSD RPDs were less than 30% with the following exceptions: None.
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.

Batch 722663 (CQ26127) CHEM31 3/15/2024-1

CQ26127(1X)

All LCS recoveries were within 70 - 130 with the following exceptions: None.
All LCSD recoveries were within 70 - 130 with the following exceptions: None.
All LCS/LCSD RPDs were less than 30% with the following exceptions: None.
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.

QC (Site Specific):

Batch 722446 (CQ26132) CHEM18 3/14/2024-1

CQ26132(1X), CQ26133(1X), CQ26135(1X), CQ26138(1X), CQ26141(1X), CQ26144(1X)

All LCS recoveries were within 70 - 130 with the following exceptions: None.
All LCSD recoveries were within 70 - 130 with the following exceptions: Acetone(135%)
All LCS/LCSD RPDs were less than 30% with the following exceptions: None.
All MS recoveries were within 70 - 130 with the following exceptions: 1,1,2,2-Tetrachloroethane(46%), 1,2,3-Trichlorobenzene(56%), 1,2,4-Trichlorobenzene(58%), Dichlorodifluoromethane(49%), Hexachlorobutadiene(41%), Trichloroethene(139%)
All MSD recoveries were within 70 - 130 with the following exceptions: 1,1,2,2-Tetrachloroethane(63%), 1,2,3-Trichlorobenzene(60%), 1,2,4-Trichlorobenzene(61%), Acetone(138%), Dichlorodifluoromethane(58%), Hexachlorobutadiene(53%), Trichloroethene(141%)
All MS/MSD RPDs were less than 30% with the following exceptions: 1,1,2,2-Tetrachloroethane(31.2%)
A matrix effect is suspected when a MS/MSD recovery is outside of criteria. No further action is required if LCS/LCSD compounds are within criteria.
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.

Batch 722663H (CQ26127) CHEM31 3/15/2024-1

CQ26130(50X)

All LCS recoveries were within 70 - 130 with the following exceptions: None.
All LCSD recoveries were within 70 - 130 with the following exceptions: None.
All LCS/LCSD RPDs were less than 30% with the following exceptions: None.
All MS recoveries were within 70 - 130 with the following exceptions: Acetone(68%)
All MSD recoveries were within 70 - 130 with the following exceptions: None.
All MS/MSD RPDs were less than 30% with the following exceptions: None.
A matrix effect is suspected when a MS/MSD recovery is outside of criteria. No further action is required if LCS/LCSD compounds are within criteria.
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.

Temperature Narration

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

RCP Certification Report

April 03, 2024

SDG I.D.: GCQ26127

The samples were received at 2.4C with cooling initiated.
(Note acceptance criteria for relevant matrices is above freezing up to 6°C)

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

CHAIN OF CUSTODY RECORD

Temp 2.4°C Pg 1 of 1

PHOENIX
Environmental Laboratories, Inc.

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

Data Delivery/Contact Options:
☐ Fax: zhawk@tighebond.com
☐ Phone: bsirowich@tighebond.com
■ Email: pabate@tighebond.com

Customer: Tighe & Bond, Inc.
Address: 213 Court Street, Suite 1100
Middletown, CT

Project: Olson Drive
Report to: Brian Sirowich / Zachary Hawk / Peter Abate
Invoice to: TIGHE-DAS
QUOTE #

Project P.O:

This section MUST be completed with Bottle Quantities.

Client Sample - Information - Identification

Sampler's Signature: Peter Abate Date: 3/12/24

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 **X** = _____(Other)

Analysis Request

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	VOCs	SVOCs	ETPH	PCB Soxhlet	Total RSR Metals	Pesticides	Sample on Hold		MS/MSD*	GL Amber 8 oz. w/H3PO4	Soil VOA Vials [1] methanol [2] H2O	GL Soil container (8) oz	GL Soil container ( ) 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 HNO3 250ml	PL NaOH 250ml	Bacteria Bottle w/thio	Bacteria Bottle as is	
240127	Stockpile 7-1	S	3/12/2024	0830	X	X	X	X	X	X						3	2									
240128	Stockpile 7-2	S	3/12/2024	0900	X	X	X	X	X	X						3	2									
240129	Stockpile 8	S	3/12/2024	0935							X					3	2									
240130	Stockpile 9	S	3/12/2024	1010	X	X	X	X	X	X						3	3									
240131	Stockpile 10-1	S	3/12/2024	1055	X	X	X	X	X	X						3	2									
240132	Stockpile 10-2	S	3/12/2024	1120	X	X	X	X	X	X						3	2									
240133	Stockpile 10-3	S	3/12/2024	1145	X	X	X	X	X	X						3	2									
240134	Stockpile 11	S	3/12/2024	1245							X					3	2									
240135	Composite 8/11	S	3/12/2024	1250	X	X	X	X	X	X						3	2									
240136	Stockpile 1	S	3/12/2024	1305							X					3	2									
240137	Stockpile 2	S	3/12/2024	1325							X					3	2									
240138	Composite 1/2	S	3/12/2024	1330	X	X	X	X	X	X						3	2									

Relinquished by:	Accepted by:	Date:	Time:
Peter Abate	T&B Fridge	3/12/24	1930
Peter Abate	Ed Hurlbut	3/13/24	10:30
Ed Hurlbut	Ed Hurlbut	3/13/24	16:41

Comments, Special Requirements or Regulations:

DAS RATES

MS/MSD are considered site samples and will be billed as such in accordance with the prices quoted.

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

RI
☐ (Residential) Direct Exposure
☐ (Comm/Industrial) Direct Exposure
☐ GA Leachability
☐ GB Leachability
☐ GA-GW Objectives
☐ GB-GW Objectives

CT
■ RCP Cert
☐ GW Protection
☐ SW Protection
■ GA Mobility
■ GB Mobility
■ Residential DEC
■ I/C DEC
☐ Other

MA
☐ MCP Certification
☐ GW-1 ☐ MWRA eSMART
☐ GW-2 ☐ S-1 10% CALC
☐ GW-3
☐ S-1 GW-1 ☐ S-1 GW-2 ☐ S-1 GW-3
☐ S-2 GW-1 ☐ S-2 GW-2 ☐ S-2 GW-3
☐ S-3 GW-1 ☐ S-3 GW-2 ☐ S-3 GW-3
☐ SW Protection

State where samples were collected: CT

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

Data Package
☐ Tier II Checklist
☐ Full Data Package*
■ Phoenix Std Report
☐ Other
* SURCHARGE APPLIES

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

CHAIN OF CUSTODY RECORD

Temp 2.4 °C Pg 1 of 1

PHOENIX
Environmental Laboratories, Inc.

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

Data Delivery/Contact Options:
☐ Fax: zhawk@tighebond.com
☐ Phone: bsirowich@tighebond.com
■ Email: pabate@tighebond.com

Customer: Tighe & Bond, Inc.
Address: 213 Court Street, Suite 1100
Middletown, CT

Project: Olson Drive
Report to: Brian Sirowich / Zachary Hawk / Peter Abate
Invoice to: TIGHE-DAS
QUOTE #

Project P.O:

This section MUST be completed with Bottle Quantities.

Client Sample - Information - Identification

Sampler's Signature: Peter Abate Date: 3/12/24

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 **X** = _____(Other)

Analysis Request

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	VOCs	SVOCs	ETPH	PCB Soxhlet	Total RSR Metals	Pesticides	Sample on Hold	MS/MSD*	GL Amber 8 oz. w/H3PO4	Soil VOA Vials [1] methanol [2] H2O	GL Soil container [8] oz	GL Soil container [ ] 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 HNO3 250ml	PL NaOH 250ml	Bacteria Bottle w/thio	Bacteria Bottle as is
24139	Stockpile 3	S	3/12/2024	1345						X			3	2										
24140	Stockpile 4	S	3/12/2024	1400						X			3	2										
24141	Composite 3/4	S	3/12/2024	1405	X	X	X	X	X	X	X		3	2										
24142	Stockpile 5	S	3/12/2024	1420						X			3	2										
24143	Stockpile 6	S	3/12/2024	1435						X			3	2										
24144	Composote 5/6	S	3/12/2024	1440	X	X	X	X	X	X	X		3	2										

Relinquished by:	Accepted by:	Date:	Time:
Peter Abate	T&D Fridge	3/12/24	1735
Peter Abate	Edward Welch	3/13/24	10:30
Edward Welch		3/13/24	16:41

Comments, Special Requirements or Regulations:

DAS RATES

**MS/MSD are considered site samples and will be billed as such in accordance with the prices quoted.*

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

RI
☐ (Residential) Direct Exposure
☐ (Comm/Industrial) Direct Exposure
☐ GA Leachability
☐ GB Leachability
☐ GA-GW Objectives
☐ GB-GW Objectives

CT
■ RCP Cert
☐ GW Protection
☐ SW Protection
■ GA Mobility
■ GB Mobility
■ Residential DEC
■ I/C DEC
☐ Other

MA
☐ MCP Certification
☐ GW-1 ☐ MWRA eSMART
☐ GW-2 ☐ S-1 10% CALC
☐ GW-3
☐ S-1 GW-1 ☐ S-1 GW-2 ☐ S-1 GW-3
☐ S-2 GW-1 ☐ S-2 GW-2 ☐ S-2 GW-3
☐ S-3 GW-1 ☐ S-3 GW-2 ☐ S-3 GW-3
☐ SW Protection

State where samples were collected: CT

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

Data Package
☐ Tier II Checklist
☐ Full Data Package*
■ Phoenix Std Report
☐ Other
* SURCHARGE APPLIES

Sarah Bell

From: Brian Sirowich <BSirowich@TigheBond.com>
Sent: Friday, March 22, 2024 9:01 AM
To: Sarah Bell
Cc: Mark Paulsson
Subject: Olson Drive additional analysis

Sarah – Can you run CQ26138for SPLP DDT and Chlordane and CQ26130 for SPLP DDT. Standard TAT. DAS rates. More analysis will likely follow.

Thanks

Brian Sirowich
Project Manager

Tighe&Bond

o. 203.712.1118 | m. 203.828.7313

1000 Bridgeport Avenue, 3rd Floor, Shelton, CT 06484
w: tighebond.com | halvorsondesign.com

Sarah Bell

From: Brian Sirowich <BSirowich@TigheBond.com>
Sent: Tuesday, March 26, 2024 9:56 AM
To: Sarah Bell
Cc: Mark Paulsson; Jill L. Libby
Subject: RE: Olson Drive additional analysis

Sarah – Please run the following on a standard TAT

SPLP Analysis:
CQ26132 - PAHs
CQ26133 –PAHs, Chromium, Mercury, Zinc
CQ26141 –PAHs, arsenic, Barium, Beryllium, Cadmium, Chromium, Copper, Vanadium, Zinc
CQ26127 – DDT, Beryllium
CQ26138 –Arsenic, Chromium, Mercury, Vanadium
CQ26144 –Chlordane DDT, PAHs, Arsenic, Barium, Beryllium, Copper, Vanadium
SQ26131 –Zinc, Mercury, Copper, Chromium, Barium

Herbicides – CQ26138, CQ26133, CQ26141

From: Brian Sirowich
Sent: Friday, March 22, 2024 9:01 AM
To: Sarah Bell <sarah@phoenixlabs.com>
Cc: Mark Paulsson <MPaulsson@TigheBond.com>
Subject: Olson Drive additional analysis

Sarah – Can you run CQ26138for SPLP DDT and Chlordane and CQ26130 for SPLP DDT. Standard TAT. DAS rates. More analysis will likely follow.

Thanks

Brian Sirowich
Project Manager
Tighe&Bond
o. 203.712.1118 | m. 203.828.7313

1000 Bridgeport Avenue, 3rd Floor, Shelton, CT 06484
w: tighebond.com | halvorsondesign.com

Sarah Bell

From: Zachary Hawk <ZHawk@tighebond.com>
Sent: Thursday, March 14, 2024 8:12 AM
To: Sarah Bell
Subject: RE: Phoenix Labs - GCQ26127, OLSON DRIVE - COC Acknowledgement

Can you add the PO to this project as 105093011.

Thanks, Zac

Zachary Hawk

Project Environmental Scientist I

Tighe&Bond

m. 203.747.4991

213 Court St, Middletown, CT 06457

w: tighebond.com | halvorsondesign.com

From: SampleReceiving@phoenixlabs.com <SampleReceiving@phoenixlabs.com>
Sent: Wednesday, March 13, 2024 8:00 PM
To: Zachary Hawk <ZHawk@tighebond.com>
Subject: Phoenix Labs - GCQ26127, OLSON DRIVE - COC Acknowledgement

[Caution - External Sender]

This is an automated sample acknowledgement.

If you were issued a Phoenix Price Quote # for this SDG and it was not listed on the chain, please email client services with the quote number so we can ensure proper invoicing. If no quote was issued, no further action is required.

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

Samples Will Be Disposed After: 30 Days

GCQ26127 Criteria:
SOIL(18): CT GAM (GA Mobility), CT GBM (GB Mobility), CT I/C (I/C Dec), CT RC (Res. Criteria)

Please email client services only if you require criteria different than what is listed. Criteria added post-reporting requires re-evaluation of data and possible re-analysis therefore charges may apply. Project objectives not communicated at time of submittal may not be achieved.

Delivery group GCQ26127 (OLSON DRIVE) has been logged in for the following samples:

Phoenix Id	Client Id
CQ26127	STOCKPILE 7-1
CQ26128	STOCKPILE 7-2
CQ26129	STOCKPILE 8
CQ26130	STOCKPILE 9
CQ26131	STOCKPILE 10-1
CQ26132	STOCKPILE 10-2
CQ26133	STOCKPILE 10-3
CQ26134	STOCKPILE 11
CQ26135	COMPOSITE 8/11
CQ26136	STOCKPILE 1
CQ26137	STOCKPILE 2
CQ26138	COMPOSITE 1/2
CQ26139	STOCKPILE 3
CQ26140	STOCKPILE 4
CQ26141	COMPOSITE 3/4
CQ26142	STOCKPILE 5
CQ26143	STOCKPILE 6

CQ26144	COMPOSITE 5/6

This SDG has been logged in for Standard 7 business day turn-around time.

The samples were received at 2.4C with cooling initiated. (Note acceptance criteria for relevant matrices is above freezing up to 6°C)

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

Thank you for your business,

Phoenix Environmental Laboratories, Inc.
587 East Middle Turnpike
P.O. Box 370
Manchester, CT 06374
Tel. (860) 645-1102
Fax. (860) 645-0823
www.phoenixlabs.com

Please do not reply to this email.
cc'd:bsirowich@tighebond.com;pabate@tighebond.com;jjackson@tighebond.com;zhawk@tighebond.com