



OSPREY ENVIRONMENTAL ENGINEERING, LLC.

146 EAST MAIN STREET . CLINTON, CT 06413

PHONE: 860.669.8651

Mr. Scott Bartlett, Superintendent, Director of Public Works Operations
Fairfield Department of Public Works
725 Old Post Road
Fairfield, CT 06824

11 May 2018

Re: Soils Sampling, Grids F2-M2
Aggregate Recycling Yard Berm Project, Fairfield, CT
Collection date: 08 May 2018

Per your request, samples of soils from the above delineated site grids were collected to determine concentrations of constituents of concern (COCs) related to available environmental and health & safety standards and guidelines. Samples were composited from each grid and were collected in new glassware supplied by the laboratory and stored in compliance with standard sample preservation procedures. The composite samples were submitted to Complete Environmental Testing, Inc., a Connecticut Certified Laboratory. Samples were compared to the DEEP Remediation Standards Regulations (RSRs) Direct Exposure Criteria (DEC) for environmental consideration. Samples were analyzed for PCBs, ETPH, arsenic, and lead. The following is a comparison of the results of the analyses to their respective evaluation criteria.

Sample Summary Table

COMPOUND	ETPH	Arsenic	Lead	PCBs
(Residential/Industrial & Commercial) mg/kg	500/2500	10/10	400/1000	1/10
Grid F2	2100	1.9	15	ND<0.11
Grid G2	2900	2.6	22	ND<0.11
Grid H2	2500	2.2	23	ND<0.11
Grid I2	830	3.3	32	0.38
Grid J2	2400	3.8	32	ND<0.11
Grid K2	2100	4.5	58	ND<0.11
Grid L2	2100	2.8	22	ND<0.11
Grid M2	1200	2.6	32	ND<0.11

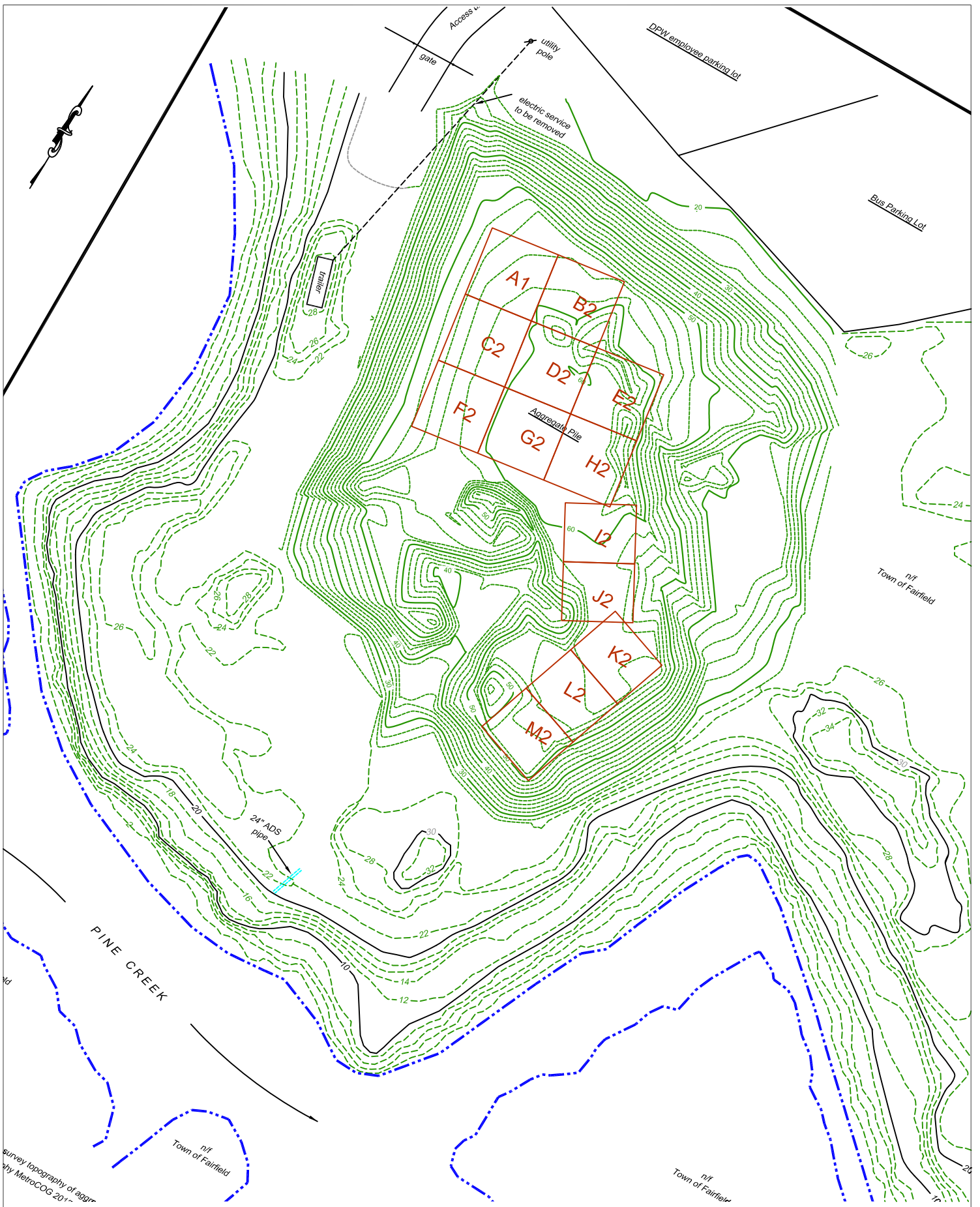
Green is above the Residential DEC Blue is above the Residential & Industrial/Commercial DEC

The Grid samples all had ETPH above the Residential DEC most likely due to the presence of asphalt fragments. One sample had ETPH above the Industrial/Commercial DEC as well, which was expected as it had higher concentrations of asphalt. PCBs, arsenic and lead were all below the Residential and the Industrial/Commercial DEC.

Should you have any questions regarding the above, please contact me.

Sincerely,
Osprey Environmental Engineering, LLC.

Robert Grabarek, P.E., L.S., LEP
President



A-3

**AGGREGATE YARD SOIL SAMPLES
DEPARTMENT OF PUBLIC WORKS FACILITY
90 ROD HIGHWAY, FAIRFIELD, CT**

OSPREY
ENVIRONMENTAL ENGINEERING, LLC
146 East Main Street
Clinton, CT 06413
Phone (860) 669-8651

**DRAWN BY: RJC
SCALE: 1"=100'
DATE: 05.07.18
REVISIONS:**

Client: Mr. Robert Grabarek
Osprey Enviromental
146 East Main St
Clinton, CT 06413

Analytical Report

CET# 8050245



Report Date: May 10, 2018
Project: Fairfield

Connecticut Laboratory Certificate: PH 0116
Massachusetts laboratory Certificate: M-CT903



New York NELAP Accreditation: 11982
Rhode Island Certification: 199

SAMPLE SUMMARY

The sample(s) were received at 26.0°C.

This report contains analytical data associated with following samples only.

Sample ID	Laboratory ID	Matrix	Collection Date/Time	Receipt Date
F2	8050245-01	Soil	5/08/2018 9:30	05/08/2018
G2	8050245-02	Soil	5/08/2018 9:30	05/08/2018
H2	8050245-03	Soil	5/08/2018 9:30	05/08/2018
I2	8050245-04	Soil	5/08/2018 9:30	05/08/2018
J2	8050245-05	Soil	5/08/2018 9:30	05/08/2018
K2	8050245-06	Soil	5/08/2018 9:30	05/08/2018
L2	8050245-07	Soil	5/08/2018 9:30	05/08/2018
M2	8050245-08	Soil	5/08/2018 9:30	05/08/2018

CET #: 8050245

Project: Fairfield

Analyte: Percent Solids [SM 2540 G]

Analyst: DRL

Matrix: Soil

Laboratory ID	Client Sample ID	Result	RL	Units	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
8050245-01	F2	90	1.0	%	1	B8E0842	05/08/2018	05/09/2018 09:25	
8050245-02	G2	91	1.0	%	1	B8E0842	05/08/2018	05/09/2018 09:25	
8050245-03	H2	91	1.0	%	1	B8E0842	05/08/2018	05/09/2018 09:25	
8050245-04	I2	84	1.0	%	1	B8E0842	05/08/2018	05/09/2018 09:25	
8050245-05	J2	90	1.0	%	1	B8E0842	05/08/2018	05/09/2018 09:25	
8050245-06	K2	89	1.0	%	1	B8E0842	05/08/2018	05/09/2018 09:25	
8050245-07	L2	90	1.0	%	1	B8E0842	05/08/2018	05/09/2018 09:25	
8050245-08	M2	91	1.0	%	1	B8E0842	05/08/2018	05/09/2018 09:25	

Analyte: Total Lead [EPA 6010C]

Analyst: SS

Prep: EPA 3051A

Matrix: Soil

Laboratory ID	Client Sample ID	Result	RL	Units	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
8050245-01	F2	15	2.0	mg/kg dry	1	B8E0835	05/08/2018	05/08/2018 19:18	
8050245-02	G2	22	2.2	mg/kg dry	1	B8E0835	05/08/2018	05/08/2018 19:22	
8050245-03	H2	23	2.1	mg/kg dry	1	B8E0835	05/08/2018	05/08/2018 19:26	
8050245-04	I2	32	2.3	mg/kg dry	1	B8E0835	05/08/2018	05/08/2018 19:30	
8050245-05	J2	32	2.2	mg/kg dry	1	B8E0835	05/08/2018	05/08/2018 19:43	
8050245-06	K2	58	2.2	mg/kg dry	1	B8E0835	05/08/2018	05/08/2018 19:47	
8050245-07	L2	22	2.2	mg/kg dry	1	B8E0835	05/08/2018	05/08/2018 19:51	
8050245-08	M2	32	2.1	mg/kg dry	1	B8E0835	05/08/2018	05/08/2018 19:56	

CET # : 8050245

Project: Fairfield

Analyte: Total Arsenic [EPA 6010C]

Analyst: SS

Prep: EPA 3051A

Matrix: Soil

Laboratory ID	Client Sample ID	Result	RL	Units	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
8050245-01	F2	1.9	1.0	mg/kg dry	1	B8E0835	05/08/2018	05/08/2018 19:18	
8050245-02	G2	2.6	1.1	mg/kg dry	1	B8E0835	05/08/2018	05/08/2018 19:22	
8050245-03	H2	2.2	1.1	mg/kg dry	1	B8E0835	05/08/2018	05/08/2018 19:26	
8050245-04	I2	3.3	1.2	mg/kg dry	1	B8E0835	05/08/2018	05/08/2018 19:30	
8050245-05	J2	3.8	1.1	mg/kg dry	1	B8E0835	05/08/2018	05/08/2018 19:43	
8050245-06	K2	4.5	1.1	mg/kg dry	1	B8E0835	05/08/2018	05/08/2018 19:47	
8050245-07	L2	2.8	1.1	mg/kg dry	1	B8E0835	05/08/2018	05/08/2018 19:51	
8050245-08	M2	2.6	1.0	mg/kg dry	1	B8E0835	05/08/2018	05/08/2018 19:56	

CET #: 8050245

Project: Fairfield

Client Sample ID F2

Lab ID: 8050245-01

Conn. Extractable TPH

Analyst: MJH

Method: CT-ETPH

Matrix: Soil

Analyte	Result (mg/kg dry)	RL (mg/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
ETPH	2100	54	1	EPA 3550C	B8E0831	05/08/2018	05/09/2018 04:47	R
<i>Surrogate: Octacosane</i>	82.0 %		50 - 150		B8E0831	05/08/2018	05/09/2018 04:47	
R C18-C36 unknown								

PCBs by ASE

Analyst: MPC

Method: EPA 8082A

Matrix: Soil

Analyte	Result (mg/kg dry)	RL (mg/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
PCB-1016	ND	0.11	1	EPA 3545A	B8E0802	05/08/2018	05/09/2018 09:26	
PCB-1221	ND	0.11	1	EPA 3545A	B8E0802	05/08/2018	05/09/2018 09:26	
PCB-1232	ND	0.11	1	EPA 3545A	B8E0802	05/08/2018	05/09/2018 09:26	
PCB-1242	ND	0.11	1	EPA 3545A	B8E0802	05/08/2018	05/09/2018 09:26	
PCB-1248	ND	0.11	1	EPA 3545A	B8E0802	05/08/2018	05/09/2018 09:26	
PCB-1254	ND	0.11	1	EPA 3545A	B8E0802	05/08/2018	05/09/2018 09:26	
PCB-1260	ND	0.11	1	EPA 3545A	B8E0802	05/08/2018	05/09/2018 09:26	
PCB-1268	ND	0.11	1	EPA 3545A	B8E0802	05/08/2018	05/09/2018 09:26	
PCB-1262	ND	0.11	1	EPA 3545A	B8E0802	05/08/2018	05/09/2018 09:26	
<i>Surrogate: TCMX [1C]</i>	97.4 %		30 - 150		B8E0802	05/08/2018	05/09/2018 09:26	
<i>Surrogate: TCMX [2C]</i>	100 %		30 - 150		B8E0802	05/08/2018	05/09/2018 09:26	
<i>Surrogate: DCB [1C]</i>	87.4 %		30 - 150		B8E0802	05/08/2018	05/09/2018 09:26	
<i>Surrogate: DCB [2C]</i>	86.6 %		30 - 150		B8E0802	05/08/2018	05/09/2018 09:26	

CET #: 8050245

Project: Fairfield

Client Sample ID G2

Lab ID: 8050245-02

Conn. Extractable TPH

Analyst: MJH

Method: CT-ETPH

Matrix: Soil

Analyte	Result (mg/kg dry)	RL (mg/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
ETPH	2900	54	1	EPA 3550C	B8E0831	05/08/2018	05/09/2018 05:10	R
<i>Surrogate: Octacosane</i>	<i>91.0 %</i>	<i>50 - 150</i>			B8E0831	05/08/2018	<i>05/09/2018 05:10</i>	
R C18-C36 unknown								

PCBs by ASE

Analyst: MPC

Method: EPA 8082A

Matrix: Soil

Analyte	Result (mg/kg dry)	RL (mg/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
PCB-1016	ND	0.11	1	EPA 3545A	B8E0802	05/08/2018	05/09/2018 09:46	
PCB-1221	ND	0.11	1	EPA 3545A	B8E0802	05/08/2018	05/09/2018 09:46	
PCB-1232	ND	0.11	1	EPA 3545A	B8E0802	05/08/2018	05/09/2018 09:46	
PCB-1242	ND	0.11	1	EPA 3545A	B8E0802	05/08/2018	05/09/2018 09:46	
PCB-1248	ND	0.11	1	EPA 3545A	B8E0802	05/08/2018	05/09/2018 09:46	
PCB-1254	ND	0.11	1	EPA 3545A	B8E0802	05/08/2018	05/09/2018 09:46	
PCB-1260	ND	0.11	1	EPA 3545A	B8E0802	05/08/2018	05/09/2018 09:46	
PCB-1268	ND	0.11	1	EPA 3545A	B8E0802	05/08/2018	05/09/2018 09:46	
PCB-1262	ND	0.11	1	EPA 3545A	B8E0802	05/08/2018	05/09/2018 09:46	
<i>Surrogate: TCMX [1C]</i>	<i>122 %</i>	<i>30 - 150</i>			B8E0802	05/08/2018	<i>05/09/2018 09:46</i>	
<i>Surrogate: TCMX [2C]</i>	<i>125 %</i>	<i>30 - 150</i>			B8E0802	05/08/2018	<i>05/09/2018 09:46</i>	
<i>Surrogate: DCB [1C]</i>	<i>101 %</i>	<i>30 - 150</i>			B8E0802	05/08/2018	<i>05/09/2018 09:46</i>	
<i>Surrogate: DCB [2C]</i>	<i>97.6 %</i>	<i>30 - 150</i>			B8E0802	05/08/2018	<i>05/09/2018 09:46</i>	

CET #: 8050245

Project: Fairfield

Client Sample ID H2

Lab ID: 8050245-03

Conn. Extractable TPH

Analyst: MJH

Method: CT-ETPH

Matrix: Soil

Analyte	Result (mg/kg dry)	RL (mg/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
ETPH	2500	54	1	EPA 3550C	B8E0831	05/08/2018	05/09/2018 05:32	R
<i>Surrogate: Octacosane</i>	<i>91.0 %</i>	<i>50 - 150</i>			B8E0831	05/08/2018	<i>05/09/2018 05:32</i>	
R C18-C36 unknown								

PCBs by ASE

Analyst: MPC

Method: EPA 8082A

Matrix: Soil

Analyte	Result (mg/kg dry)	RL (mg/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
PCB-1016	ND	0.11	1	EPA 3545A	B8E0802	05/08/2018	05/09/2018 10:43	
PCB-1221	ND	0.11	1	EPA 3545A	B8E0802	05/08/2018	05/09/2018 10:43	
PCB-1232	ND	0.11	1	EPA 3545A	B8E0802	05/08/2018	05/09/2018 10:43	
PCB-1242	ND	0.11	1	EPA 3545A	B8E0802	05/08/2018	05/09/2018 10:43	
PCB-1248	ND	0.11	1	EPA 3545A	B8E0802	05/08/2018	05/09/2018 10:43	
PCB-1254	ND	0.11	1	EPA 3545A	B8E0802	05/08/2018	05/09/2018 10:43	
PCB-1260	ND	0.11	1	EPA 3545A	B8E0802	05/08/2018	05/09/2018 10:43	
PCB-1268	ND	0.11	1	EPA 3545A	B8E0802	05/08/2018	05/09/2018 10:43	
PCB-1262	ND	0.11	1	EPA 3545A	B8E0802	05/08/2018	05/09/2018 10:43	
<i>Surrogate: TCMX [1C]</i>	<i>119 %</i>	<i>30 - 150</i>			B8E0802	05/08/2018	<i>05/09/2018 10:43</i>	
<i>Surrogate: TCMX [2C]</i>	<i>123 %</i>	<i>30 - 150</i>			B8E0802	05/08/2018	<i>05/09/2018 10:43</i>	
<i>Surrogate: DCB [1C]</i>	<i>86.1 %</i>	<i>30 - 150</i>			B8E0802	05/08/2018	<i>05/09/2018 10:43</i>	
<i>Surrogate: DCB [2C]</i>	<i>86.3 %</i>	<i>30 - 150</i>			B8E0802	05/08/2018	<i>05/09/2018 10:43</i>	

CET #: 8050245

Project: Fairfield

Client Sample ID 12

Lab ID: 8050245-04

Conn. Extractable TPH

Method: CT-ETPH

Analyst: MJH

Matrix: Soil

Analyte	Result (mg/kg dry)	RL (mg/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
ETPH	830	58	1	EPA 3550C	B8E0831	05/08/2018	05/09/2018 05:55	R
<i>Surrogate: Octacosane</i>	<i>87.0 %</i>	<i>50 - 150</i>			B8E0831	05/08/2018	<i>05/09/2018 05:55</i>	
R C18-C36 unknown								

PCBs by ASE

Method: EPA 8082A

Analyst: MPC

Matrix: Soil

Analyte	Result (mg/kg dry)	RL (mg/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
PCB-1016	ND	0.12	1	EPA 3545A	B8E0802	05/08/2018	05/09/2018 11:02	
PCB-1221	ND	0.12	1	EPA 3545A	B8E0802	05/08/2018	05/09/2018 11:02	
PCB-1232	ND	0.12	1	EPA 3545A	B8E0802	05/08/2018	05/09/2018 11:02	
PCB-1242	ND	0.12	1	EPA 3545A	B8E0802	05/08/2018	05/09/2018 11:02	
PCB-1248	ND	0.12	1	EPA 3545A	B8E0802	05/08/2018	05/09/2018 11:02	
PCB-1254	0.20	0.12	1	EPA 3545A	B8E0802	05/08/2018	05/09/2018 11:02	
PCB-1260	0.18	0.12	1	EPA 3545A	B8E0802	05/08/2018	05/09/2018 11:02	
PCB-1268	ND	0.12	1	EPA 3545A	B8E0802	05/08/2018	05/09/2018 11:02	
PCB-1262	ND	0.12	1	EPA 3545A	B8E0802	05/08/2018	05/09/2018 11:02	
<i>Surrogate: TCMX [1C]</i>	<i>103 %</i>	<i>30 - 150</i>			B8E0802	05/08/2018	<i>05/09/2018 11:02</i>	
<i>Surrogate: TCMX [2C]</i>	<i>106 %</i>	<i>30 - 150</i>			B8E0802	05/08/2018	<i>05/09/2018 11:02</i>	
<i>Surrogate: DCB [1C]</i>	<i>78.8 %</i>	<i>30 - 150</i>			B8E0802	05/08/2018	<i>05/09/2018 11:02</i>	
<i>Surrogate: DCB [2C]</i>	<i>91.0 %</i>	<i>30 - 150</i>			B8E0802	05/08/2018	<i>05/09/2018 11:02</i>	

CET #: 8050245

Project: Fairfield

Client Sample ID J2

Lab ID: 8050245-05

Conn. Extractable TPH

Method: CT-ETPH

Analyst: MJH

Matrix: Soil

Analyte	Result (mg/kg dry)	RL (mg/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
ETPH	2400	55	1	EPA 3550C	B8E0831	05/08/2018	05/09/2018 06:17	R
<i>Surrogate: Octacosane</i>	<i>103 %</i>		<i>50 - 150</i>		B8E0831	05/08/2018	<i>05/09/2018 06:17</i>	
R C18-C36 unknown								

PCBs by ASE

Method: EPA 8082A

Analyst: MPC

Matrix: Soil

Analyte	Result (mg/kg dry)	RL (mg/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
PCB-1016	ND	0.11	1	EPA 3545A	B8E0802	05/08/2018	05/09/2018 11:21	
PCB-1221	ND	0.11	1	EPA 3545A	B8E0802	05/08/2018	05/09/2018 11:21	
PCB-1232	ND	0.11	1	EPA 3545A	B8E0802	05/08/2018	05/09/2018 11:21	
PCB-1242	ND	0.11	1	EPA 3545A	B8E0802	05/08/2018	05/09/2018 11:21	
PCB-1248	ND	0.11	1	EPA 3545A	B8E0802	05/08/2018	05/09/2018 11:21	
PCB-1254	ND	0.11	1	EPA 3545A	B8E0802	05/08/2018	05/09/2018 11:21	
PCB-1260	ND	0.11	1	EPA 3545A	B8E0802	05/08/2018	05/09/2018 11:21	
PCB-1268	ND	0.11	1	EPA 3545A	B8E0802	05/08/2018	05/09/2018 11:21	
PCB-1262	ND	0.11	1	EPA 3545A	B8E0802	05/08/2018	05/09/2018 11:21	
<i>Surrogate: TCMX [1C]</i>	<i>115 %</i>		<i>30 - 150</i>		B8E0802	05/08/2018	<i>05/09/2018 11:21</i>	
<i>Surrogate: TCMX [2C]</i>	<i>119 %</i>		<i>30 - 150</i>		B8E0802	05/08/2018	<i>05/09/2018 11:21</i>	
<i>Surrogate: DCB [1C]</i>	<i>82.5 %</i>		<i>30 - 150</i>		B8E0802	05/08/2018	<i>05/09/2018 11:21</i>	
<i>Surrogate: DCB [2C]</i>	<i>79.8 %</i>		<i>30 - 150</i>		B8E0802	05/08/2018	<i>05/09/2018 11:21</i>	

CET #: 8050245

Project: Fairfield

Client Sample ID K2

Lab ID: 8050245-06

Conn. Extractable TPH

Analyst: MJH

Method: CT-ETPH

Matrix: Soil

Analyte	Result (mg/kg dry)	RL (mg/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
ETPH	2100	55	1	EPA 3550C	B8E0831	05/08/2018	05/09/2018 06:39	R
<i>Surrogate: Octacosane</i>	<i>103 %</i>	<i>50 - 150</i>			B8E0831	05/08/2018	<i>05/09/2018 06:39</i>	
R C18-C36 unknown								

PCBs by ASE

Analyst: MPC

Method: EPA 8082A

Matrix: Soil

Analyte	Result (mg/kg dry)	RL (mg/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
PCB-1016	ND	0.11	1	EPA 3545A	B8E0802	05/08/2018	05/09/2018 11:40	
PCB-1221	ND	0.11	1	EPA 3545A	B8E0802	05/08/2018	05/09/2018 11:40	
PCB-1232	ND	0.11	1	EPA 3545A	B8E0802	05/08/2018	05/09/2018 11:40	
PCB-1242	ND	0.11	1	EPA 3545A	B8E0802	05/08/2018	05/09/2018 11:40	
PCB-1248	ND	0.11	1	EPA 3545A	B8E0802	05/08/2018	05/09/2018 11:40	
PCB-1254	ND	0.11	1	EPA 3545A	B8E0802	05/08/2018	05/09/2018 11:40	
PCB-1260	ND	0.11	1	EPA 3545A	B8E0802	05/08/2018	05/09/2018 11:40	
PCB-1268	ND	0.11	1	EPA 3545A	B8E0802	05/08/2018	05/09/2018 11:40	
PCB-1262	ND	0.11	1	EPA 3545A	B8E0802	05/08/2018	05/09/2018 11:40	
<i>Surrogate: TCMX [1C]</i>	<i>124 %</i>	<i>30 - 150</i>			B8E0802	05/08/2018	<i>05/09/2018 11:40</i>	
<i>Surrogate: TCMX [2C]</i>	<i>124 %</i>	<i>30 - 150</i>			B8E0802	05/08/2018	<i>05/09/2018 11:40</i>	
<i>Surrogate: DCB [1C]</i>	<i>108 %</i>	<i>30 - 150</i>			B8E0802	05/08/2018	<i>05/09/2018 11:40</i>	
<i>Surrogate: DCB [2C]</i>	<i>87.1 %</i>	<i>30 - 150</i>			B8E0802	05/08/2018	<i>05/09/2018 11:40</i>	

CET #: 8050245

Project: Fairfield

Client Sample ID L2

Lab ID: 8050245-07

Conn. Extractable TPH

Method: CT-ETPH

Analyst: MJH

Matrix: Soil

Analyte	Result (mg/kg dry)	RL (mg/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
ETPH	2100	55	1	EPA 3550C	B8E0831	05/08/2018	05/09/2018 07:02	R
<i>Surrogate: Octacosane</i>	<i>105 %</i>	<i>50 - 150</i>			B8E0831	05/08/2018	<i>05/09/2018 07:02</i>	
R C18-C36 unknown								

PCBs by ASE

Method: EPA 8082A

Analyst: MPC

Matrix: Soil

Analyte	Result (mg/kg dry)	RL (mg/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
PCB-1016	ND	0.11	1	EPA 3545A	B8E0802	05/08/2018	05/09/2018 11:59	
PCB-1221	ND	0.11	1	EPA 3545A	B8E0802	05/08/2018	05/09/2018 11:59	
PCB-1232	ND	0.11	1	EPA 3545A	B8E0802	05/08/2018	05/09/2018 11:59	
PCB-1242	ND	0.11	1	EPA 3545A	B8E0802	05/08/2018	05/09/2018 11:59	
PCB-1248	ND	0.11	1	EPA 3545A	B8E0802	05/08/2018	05/09/2018 11:59	
PCB-1254	ND	0.11	1	EPA 3545A	B8E0802	05/08/2018	05/09/2018 11:59	
PCB-1260	ND	0.11	1	EPA 3545A	B8E0802	05/08/2018	05/09/2018 11:59	
PCB-1268	ND	0.11	1	EPA 3545A	B8E0802	05/08/2018	05/09/2018 11:59	
PCB-1262	ND	0.11	1	EPA 3545A	B8E0802	05/08/2018	05/09/2018 11:59	
<i>Surrogate: TCMX [1C]</i>	<i>120 %</i>	<i>30 - 150</i>			B8E0802	05/08/2018	<i>05/09/2018 11:59</i>	
<i>Surrogate: TCMX [2C]</i>	<i>126 %</i>	<i>30 - 150</i>			B8E0802	05/08/2018	<i>05/09/2018 11:59</i>	
<i>Surrogate: DCB [1C]</i>	<i>76.2 %</i>	<i>30 - 150</i>			B8E0802	05/08/2018	<i>05/09/2018 11:59</i>	
<i>Surrogate: DCB [2C]</i>	<i>74.2 %</i>	<i>30 - 150</i>			B8E0802	05/08/2018	<i>05/09/2018 11:59</i>	

CET #: 8050245

Project: Fairfield

Client Sample ID M2

Lab ID: 8050245-08

Conn. Extractable TPH

Method: CT-ETPH

Analyst: MJH

Matrix: Soil

Analyte	Result (mg/kg dry)	RL (mg/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
ETPH	1200	55	1	EPA 3550C	B8E0831	05/08/2018	05/09/2018 07:24	R
<i>Surrogate: Octacosane</i>	<i>107 %</i>	<i>50 - 150</i>			B8E0831	05/08/2018	<i>05/09/2018 07:24</i>	
R C18-C36 unknown								

PCBs by ASE

Method: EPA 8082A

Analyst: MPC

Matrix: Soil

Analyte	Result (mg/kg dry)	RL (mg/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
PCB-1016	ND	0.11	1	EPA 3545A	B8E0802	05/08/2018	05/09/2018 12:18	
PCB-1221	ND	0.11	1	EPA 3545A	B8E0802	05/08/2018	05/09/2018 12:18	
PCB-1232	ND	0.11	1	EPA 3545A	B8E0802	05/08/2018	05/09/2018 12:18	
PCB-1242	ND	0.11	1	EPA 3545A	B8E0802	05/08/2018	05/09/2018 12:18	
PCB-1248	ND	0.11	1	EPA 3545A	B8E0802	05/08/2018	05/09/2018 12:18	
PCB-1254	ND	0.11	1	EPA 3545A	B8E0802	05/08/2018	05/09/2018 12:18	
PCB-1260	ND	0.11	1	EPA 3545A	B8E0802	05/08/2018	05/09/2018 12:18	
PCB-1268	ND	0.11	1	EPA 3545A	B8E0802	05/08/2018	05/09/2018 12:18	
PCB-1262	ND	0.11	1	EPA 3545A	B8E0802	05/08/2018	05/09/2018 12:18	
<i>Surrogate: TCMX [1C]</i>	<i>143 %</i>	<i>30 - 150</i>			B8E0802	05/08/2018	<i>05/09/2018 12:18</i>	
<i>Surrogate: TCMX [2C]</i>	<i>148 %</i>	<i>30 - 150</i>			B8E0802	05/08/2018	<i>05/09/2018 12:18</i>	
<i>Surrogate: DCB [1C]</i>	<i>93.5 %</i>	<i>30 - 150</i>			B8E0802	05/08/2018	<i>05/09/2018 12:18</i>	
<i>Surrogate: DCB [2C]</i>	<i>96.0 %</i>	<i>30 - 150</i>			B8E0802	05/08/2018	<i>05/09/2018 12:18</i>	

All questions related to this report should be directed to David Ditta, Timothy Fusco, or Robert Blake at 203-377-9984.

Sincerely,

This technical report was reviewed by Robert Blake



David Ditta
Laboratory Director



Project Manager

Report Comments:

Sample Result Flags:

- E- The result is estimated, above the calibration range.
- H- The surrogate recovery is above the control limits.
- L- The surrogate recovery is below the control limits.
- B- The compound was detected in the laboratory blank.
- P- The Relative Percent Difference (RPD) of dual column analyses exceeds 40%.
- D- The RPD between the sample and the sample duplicate is high. Sample Homogeneity may be a problem.
- + - The Surrogate was diluted out.
- *C1- The Continuing Calibration did not meet method specifications and was biased low for this analyte. Increased uncertainty is associated with the reported value which is likely to be biased low.
- *C2- The Continuing Calibration did not meet method specifications and was biased high for this analyte. Increased uncertainty is associated with the reported value which is likely to be biased high.
- *F1- The Laboratory Control Sample recovery is outside of control limits. Reported value for this analyte is likely to be biased on the low side.
- *F2- The Laboratory Control Sample recovery is outside of control limits. Reported value for this analyte is likely to be biased on the high side.
- I- The Analyte exceeds %RSD limits for the Initial Calibration. This is a non-directional bias.

All results met standard operating procedures unless indicated by a data qualifier next to a sample result, or a narration in the QC report.

For Percent Solids, if any of the following prep methods (3050B, 3540C, 3545A, 3550C, 5035 and 9013A) were used for samples pertaining to this report, the percent solids procedure is within that prep method.

Complete Environmental Testing is only responsible for the certified testing and is not directly responsible for the integrity of the sample before laboratory receipt.

ND is None Detected at or above the specified reporting limit

RL is the Reporting Limit.

All analyses were performed in house unless a Reference Laboratory is listed.

Samples will be disposed of 30 days after the report date.

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>CT-ETPH in Soil</i>	
ETPH	CT
<i>EPA 6010C in Soil</i>	
Lead	CT,NY
Arsenic	CT,NY
<i>EPA 8082A in Soil</i>	
PCB-1016	CT,NY
PCB-1221	CT,NY
PCB-1232	CT,NY
PCB-1242	CT,NY
PCB-1248	CT,NY
PCB-1254	CT,NY
PCB-1260	CT,NY
PCB-1268	CT,NY
PCB-1262	NY
<i>SM 2540 G in Soil</i>	
Percent Solids	CT

Complete Environmental Testing operates under the following certifications and accreditations:

Code	Description	Number	Expires
CT	Connecticut Public Health	PH0116	09/30/2018
NY	New York Certification (NELAC)	11982	04/01/2019



COMPLETE ENVIRONMENTAL TESTING, INC.

CHAIN OF CUSTODY

Volatile Soils Only:

Date and Time in Freezer

Client:

CET:

Additional Analysis

80 Lupes Drive
Stratford, CT 06615
Tel: (203) 377-9984
Fax: (203) 377-9952
e-mail: cet1@cellabs.com
Bottle Request e-mail: bottleorders@cellabs.com

Sample ID/Sample Depths
(include Units for any sample depths provided)

Matrix	Turnaround Time ** (check one)			
	Same Day *	Next Day *	Two Day *	Three Day *
A-Air				
S-Soil				
W-Water				
DW-Drinking Water				
C-Cassette				
Solid Wipe				
Other (Specify)				

Collection Date/Time	Matrix	Turnaround Time **
F2	S	Next Day *
G2	S	Next Day *
H2	S	Next Day *
I2	S	Next Day *
L2	S	Next Day *
M2	S	Next Day *

PRESERVATIVE (C-I-HCl, N-HNO₃, S-H₂SO₄, Na-NaOH, C-Cool, O-Other)

CONTAINER TYPE (P-Plastic, G-Glass, V-Vial, O-Other)

Soil VOCs Only (M-MeOH B-Bisulfate W-Water F-Empty E-Encore)

RELINQUISHED BY: DATE/TIME RECEIVED BY: DATE/TIME

RELINQUISHED BY: [Signature] DATE/TIME: 05/08/18 RECEIVED BY: mbarlow DATE/TIME: 05/08/18 11:33AM

Client / Reporting Information

Company Name: CSPERT

Address: _____ State: _____ Zip: _____

Report To: _____ E-mail: _____ Phone #: _____ Fax #: _____

8260 CT List	
8260 Aromatics	
8260 Halogens	
CT ETPH	
8270 CT List	
8270 PNAs	
PCBs <input type="checkbox"/> SOX <input checked="" type="checkbox"/> BASE	
Pesticides	
8 RCRA	
13 Priority Poll	
15 CT DEP	
Total	
SPLP	
TCLP	
Dissolved	
Field Filtered	
Lab to Filter	
TOTAL # OF CONT.	
NOTE #	

NOTES: FOR THURSDAY PM

Project: FAIRFIELD PO #: _____

Location: AY Project #: _____

CET Quote # _____ Collector(s): Z Greenet

Project Information

Q/A/QC Std Site Specific (MS/MSD) * RCP Pkg * DQAW *

Data Report PDF EDD - Specify Format _____ Other _____

RSR Reporting Limits (check one) GA GB SWP RI MA

Laboratory Certification Needed (check one) CT NY RI MA

Temp Upon Receipt: 26.0°C Evidence of Cooling: Y (N) PAGE 1 OF 1

* Additional charge may apply. ** TAT begins when the samples are received at the Lab and all issues are resolved. TAT for samples received after 3 p.m. will start on the next business day. All samples picked up by courier service will be considered next business day receipt for TAT purposes. REV. 10/16