



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

15 May 2018

Re: Soils Sampling, Grids A3-D3, N0, O0, PS3, PS4
Aggregate Recycling Yard Berm Project, Fairfield, CT
Collection date: 11 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 also collected from one of the southerly stockpiles (previously sampled PS1 and PS2) that had elevated PCB concentrations to recheck the concentrations of this COC. 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 A3	890	2.2	35	ND<0.11
Grid B3	720	1.2	25	ND<0.11
Grid C3	1400	2.3	30	ND<0.11
Grid D3	1800	2.6	31	0.22
Grid N0	760	2.3	35	0.35
Grid O0	880	2.3	34	0.84
Grid PS3	1100	2.5	30	ND<0.10
Grid PS4	910	2.8	81	1.4

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

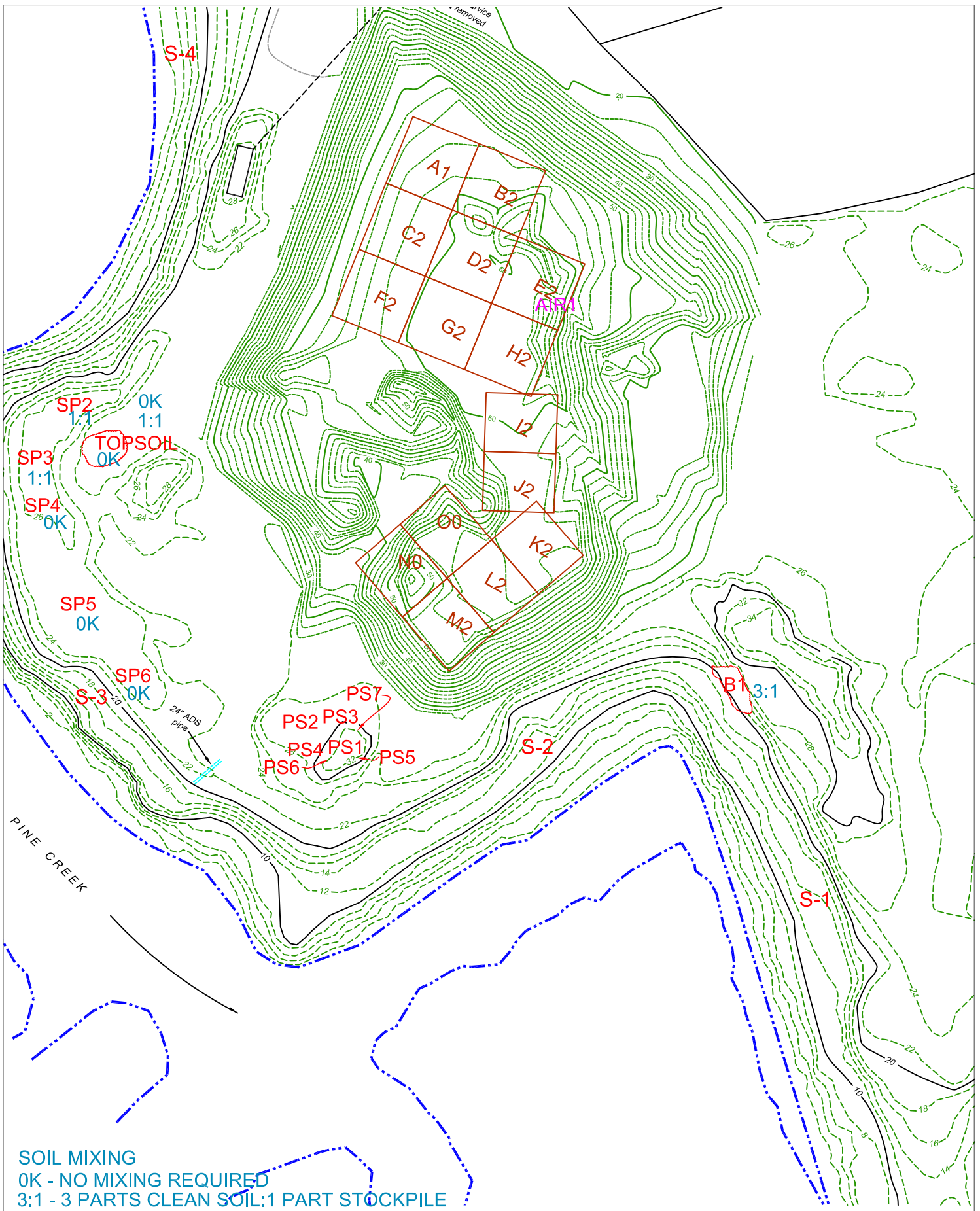
Note: Samples N0 and O0 are referred to in the lab analysis sheets as N1 and O1. These were redesignated to the identifications in the above table to avoid confusion with other grid designations.

The Grid samples all had ETPH above the Residential DEC most likely due to the presence of asphalt fragments. PCBs, arsenic and lead were all below the Residential and the Industrial/Commercial DEC with the exception of stockpile sample PS4 which was slightly above the Residential DEC but well below the Industrial/Commercial DEC. This was consistent with the previous samples from this area.

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-4

**AGGREGATE YARD SOIL BLENDING
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: 05.01.18
REVISIONS:**

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

Analytical Report

CET# 8050440



Report Date: May 15, 2018
Project: Fairfield
Project Number: AY

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



New York NELAP Accreditation: 11982
Rhode Island Certification: 199

CET # : 8050440
Project: Fairfield
Project Number: AY

SAMPLE SUMMARY

The sample(s) were received at 26.8°C.

This report contains analytical data associated with following samples only.

Sample ID	Laboratory ID	Matrix	Collection Date/Time	Receipt Date
A3	8050440-01	Soil	5/11/2018 15:15	05/11/2018
B3	8050440-02	Soil	5/11/2018 15:15	05/11/2018
C3	8050440-03	Soil	5/11/2018 15:15	05/11/2018
D3	8050440-04	Soil	5/11/2018 15:15	05/11/2018
N1	8050440-05	Soil	5/11/2018 15:15	05/11/2018
O1	8050440-06	Soil	5/11/2018 15:15	05/11/2018
PS3	8050440-07	Soil	5/11/2018 15:15	05/11/2018
PS4	8050440-08	Soil	5/11/2018 15:15	05/11/2018

CET #: 8050440
Project: Fairfield
Project Number: AY

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
8050440-01	A3	87	1.0	%	1	B8E1405	05/14/2018	05/14/2018 11:14	
8050440-02	B3	89	1.0	%	1	B8E1405	05/14/2018	05/14/2018 11:14	
8050440-03	C3	91	1.0	%	1	B8E1405	05/14/2018	05/14/2018 11:14	
8050440-04	D3	89	1.0	%	1	B8E1405	05/14/2018	05/14/2018 11:14	
8050440-05	N1	89	1.0	%	1	B8E1405	05/14/2018	05/14/2018 11:14	
8050440-06	O1	88	1.0	%	1	B8E1405	05/14/2018	05/14/2018 11:14	
8050440-07	PS3	97	1.0	%	1	B8E1405	05/14/2018	05/14/2018 11:14	
8050440-08	PS4	90	1.0	%	1	B8E1405	05/14/2018	05/14/2018 11:14	

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
8050440-01	A3	35	2.2	mg/kg dry	1	B8E1421	05/14/2018	05/14/2018 14:09	
8050440-02	B3	25	2.2	mg/kg dry	1	B8E1421	05/14/2018	05/14/2018 14:21	
8050440-03	C3	30	2.2	mg/kg dry	1	B8E1421	05/14/2018	05/14/2018 14:40	
8050440-04	D3	31	2.2	mg/kg dry	1	B8E1421	05/14/2018	05/14/2018 14:44	
8050440-05	N1	35	2.1	mg/kg dry	1	B8E1421	05/14/2018	05/14/2018 14:48	
8050440-06	O1	34	2.1	mg/kg dry	1	B8E1421	05/14/2018	05/14/2018 14:52	
8050440-07	PS3	30	2.0	mg/kg dry	1	B8E1421	05/14/2018	05/14/2018 14:57	
8050440-08	PS4	81	2.1	mg/kg dry	1	B8E1421	05/14/2018	05/14/2018 15:01	

CET # : 8050440
Project: Fairfield
Project Number: AY

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
8050440-01	A3	2.2	1.1	mg/kg dry	1	B8E1421	05/14/2018	05/14/2018 14:09	
8050440-02	B3	1.2	1.1	mg/kg dry	1	B8E1421	05/14/2018	05/14/2018 14:21	
8050440-03	C3	2.3	1.1	mg/kg dry	1	B8E1421	05/14/2018	05/14/2018 14:40	
8050440-04	D3	2.6	1.1	mg/kg dry	1	B8E1421	05/14/2018	05/14/2018 14:44	
8050440-05	N1	2.3	1.1	mg/kg dry	1	B8E1421	05/14/2018	05/14/2018 14:48	
8050440-06	O1	2.3	1.1	mg/kg dry	1	B8E1421	05/14/2018	05/14/2018 14:52	
8050440-07	PS3	2.5	0.98	mg/kg dry	1	B8E1421	05/14/2018	05/14/2018 14:57	
8050440-08	PS4	2.8	1.1	mg/kg dry	1	B8E1421	05/14/2018	05/14/2018 15:01	

CET #: 8050440
 Project: Fairfield
 Project Number: AY

Client Sample ID A3

Lab ID: 8050440-01

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	890	57	1	EPA 3550C	B8E1202	05/12/2018	05/13/2018 02:59	R
<i>Surrogate: Octacosane</i>	<i>90.3 %</i>	<i>50 - 150</i>			B8E1202	05/12/2018	<i>05/13/2018 02:59</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	B8E1409	05/14/2018	05/14/2018 12:23	
PCB-1221	ND	0.11	1	EPA 3545A	B8E1409	05/14/2018	05/14/2018 12:23	
PCB-1232	ND	0.11	1	EPA 3545A	B8E1409	05/14/2018	05/14/2018 12:23	
PCB-1242	ND	0.11	1	EPA 3545A	B8E1409	05/14/2018	05/14/2018 12:23	
PCB-1248	ND	0.11	1	EPA 3545A	B8E1409	05/14/2018	05/14/2018 12:23	
PCB-1254	ND	0.11	1	EPA 3545A	B8E1409	05/14/2018	05/14/2018 12:23	
PCB-1260	ND	0.11	1	EPA 3545A	B8E1409	05/14/2018	05/14/2018 12:23	
PCB-1268	ND	0.11	1	EPA 3545A	B8E1409	05/14/2018	05/14/2018 12:23	
PCB-1262	ND	0.11	1	EPA 3545A	B8E1409	05/14/2018	05/14/2018 12:23	
<i>Surrogate: TCMX [1C]</i>	<i>114 %</i>	<i>30 - 150</i>			B8E1409	05/14/2018	<i>05/14/2018 12:23</i>	
<i>Surrogate: TCMX [2C]</i>	<i>111 %</i>	<i>30 - 150</i>			B8E1409	05/14/2018	<i>05/14/2018 12:23</i>	
<i>Surrogate: DCB [1C]</i>	<i>98.4 %</i>	<i>30 - 150</i>			B8E1409	05/14/2018	<i>05/14/2018 12:23</i>	
<i>Surrogate: DCB [2C]</i>	<i>104 %</i>	<i>30 - 150</i>			B8E1409	05/14/2018	<i>05/14/2018 12:23</i>	

CET #: 8050440
 Project: Fairfield
 Project Number: AY

Client Sample ID B3

Lab ID: 8050440-02

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	720	56	1	EPA 3550C	B8E1202	05/12/2018	05/13/2018 04:29	R
<i>Surrogate: Octacosane</i>	<i>90.5 %</i>	<i>50 - 150</i>			B8E1202	05/12/2018	<i>05/13/2018 04:29</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	B8E1409	05/14/2018	05/14/2018 12:41	
PCB-1221	ND	0.11	1	EPA 3545A	B8E1409	05/14/2018	05/14/2018 12:41	
PCB-1232	ND	0.11	1	EPA 3545A	B8E1409	05/14/2018	05/14/2018 12:41	
PCB-1242	ND	0.11	1	EPA 3545A	B8E1409	05/14/2018	05/14/2018 12:41	
PCB-1248	ND	0.11	1	EPA 3545A	B8E1409	05/14/2018	05/14/2018 12:41	
PCB-1254	ND	0.11	1	EPA 3545A	B8E1409	05/14/2018	05/14/2018 12:41	
PCB-1260	ND	0.11	1	EPA 3545A	B8E1409	05/14/2018	05/14/2018 12:41	
PCB-1268	ND	0.11	1	EPA 3545A	B8E1409	05/14/2018	05/14/2018 12:41	
PCB-1262	ND	0.11	1	EPA 3545A	B8E1409	05/14/2018	05/14/2018 12:41	
<i>Surrogate: TCMX [1C]</i>	<i>110 %</i>	<i>30 - 150</i>			B8E1409	05/14/2018	<i>05/14/2018 12:41</i>	
<i>Surrogate: TCMX [2C]</i>	<i>108 %</i>	<i>30 - 150</i>			B8E1409	05/14/2018	<i>05/14/2018 12:41</i>	
<i>Surrogate: DCB [1C]</i>	<i>84.8 %</i>	<i>30 - 150</i>			B8E1409	05/14/2018	<i>05/14/2018 12:41</i>	
<i>Surrogate: DCB [2C]</i>	<i>93.4 %</i>	<i>30 - 150</i>			B8E1409	05/14/2018	<i>05/14/2018 12:41</i>	

CET #: 8050440
 Project: Fairfield
 Project Number: AY

Client Sample ID C3

Lab ID: 8050440-03

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	1400	55	1	EPA 3550C	B8E1202	05/12/2018	05/13/2018 04:51	R
<i>Surrogate: Octacosane</i>	<i>96.1 %</i>	<i>50 - 150</i>			B8E1202	05/12/2018	<i>05/13/2018 04:51</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	B8E1409	05/14/2018	05/14/2018 12:59	
PCB-1221	ND	0.11	1	EPA 3545A	B8E1409	05/14/2018	05/14/2018 12:59	
PCB-1232	ND	0.11	1	EPA 3545A	B8E1409	05/14/2018	05/14/2018 12:59	
PCB-1242	ND	0.11	1	EPA 3545A	B8E1409	05/14/2018	05/14/2018 12:59	
PCB-1248	ND	0.11	1	EPA 3545A	B8E1409	05/14/2018	05/14/2018 12:59	
PCB-1254	ND	0.11	1	EPA 3545A	B8E1409	05/14/2018	05/14/2018 12:59	
PCB-1260	ND	0.11	1	EPA 3545A	B8E1409	05/14/2018	05/14/2018 12:59	
PCB-1268	ND	0.11	1	EPA 3545A	B8E1409	05/14/2018	05/14/2018 12:59	
PCB-1262	ND	0.11	1	EPA 3545A	B8E1409	05/14/2018	05/14/2018 12:59	
<i>Surrogate: TCMX [1C]</i>	<i>109 %</i>	<i>30 - 150</i>			B8E1409	05/14/2018	<i>05/14/2018 12:59</i>	
<i>Surrogate: TCMX [2C]</i>	<i>111 %</i>	<i>30 - 150</i>			B8E1409	05/14/2018	<i>05/14/2018 12:59</i>	
<i>Surrogate: DCB [1C]</i>	<i>88.6 %</i>	<i>30 - 150</i>			B8E1409	05/14/2018	<i>05/14/2018 12:59</i>	
<i>Surrogate: DCB [2C]</i>	<i>105 %</i>	<i>30 - 150</i>			B8E1409	05/14/2018	<i>05/14/2018 12:59</i>	

CET #: 8050440
 Project: Fairfield
 Project Number: AY

Client Sample ID D3

Lab ID: 8050440-04

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	1800	56	1	EPA 3550C	B8E1202	05/12/2018	05/13/2018 05:13	R
<i>Surrogate: Octacosane</i>	<i>98.5 %</i>	<i>50 - 150</i>			B8E1202	05/12/2018	<i>05/13/2018 05:13</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	B8E1409	05/14/2018	05/14/2018 13:18	
PCB-1221	ND	0.11	1	EPA 3545A	B8E1409	05/14/2018	05/14/2018 13:18	
PCB-1232	ND	0.11	1	EPA 3545A	B8E1409	05/14/2018	05/14/2018 13:18	
PCB-1242	ND	0.11	1	EPA 3545A	B8E1409	05/14/2018	05/14/2018 13:18	
PCB-1248	ND	0.11	1	EPA 3545A	B8E1409	05/14/2018	05/14/2018 13:18	
PCB-1254	0.22	0.11	1	EPA 3545A	B8E1409	05/14/2018	05/14/2018 13:18	
PCB-1260	ND	0.11	1	EPA 3545A	B8E1409	05/14/2018	05/14/2018 13:18	
PCB-1268	ND	0.11	1	EPA 3545A	B8E1409	05/14/2018	05/14/2018 13:18	
PCB-1262	ND	0.11	1	EPA 3545A	B8E1409	05/14/2018	05/14/2018 13:18	
<i>Surrogate: TCMX [1C]</i>	<i>105 %</i>	<i>30 - 150</i>			B8E1409	05/14/2018	<i>05/14/2018 13:18</i>	
<i>Surrogate: TCMX [2C]</i>	<i>107 %</i>	<i>30 - 150</i>			B8E1409	05/14/2018	<i>05/14/2018 13:18</i>	
<i>Surrogate: DCB [1C]</i>	<i>82.9 %</i>	<i>30 - 150</i>			B8E1409	05/14/2018	<i>05/14/2018 13:18</i>	
<i>Surrogate: DCB [2C]</i>	<i>87.8 %</i>	<i>30 - 150</i>			B8E1409	05/14/2018	<i>05/14/2018 13:18</i>	

CET #: 8050440
 Project: Fairfield
 Project Number: AY

Client Sample ID N1

Lab ID: 8050440-05

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	760	56	1	EPA 3550C	B8E1202	05/12/2018	05/13/2018 05:36	R
<i>Surrogate: Octacosane</i>	<i>98.0 %</i>	<i>50 - 150</i>			B8E1202	05/12/2018	<i>05/13/2018 05:36</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	B8E1409	05/14/2018	05/14/2018 13:36	
PCB-1221	ND	0.11	1	EPA 3545A	B8E1409	05/14/2018	05/14/2018 13:36	
PCB-1232	ND	0.11	1	EPA 3545A	B8E1409	05/14/2018	05/14/2018 13:36	
PCB-1242	ND	0.11	1	EPA 3545A	B8E1409	05/14/2018	05/14/2018 13:36	
PCB-1248	ND	0.11	1	EPA 3545A	B8E1409	05/14/2018	05/14/2018 13:36	
PCB-1254	ND	0.11	1	EPA 3545A	B8E1409	05/14/2018	05/14/2018 13:36	
PCB-1260	0.35	0.11	1	EPA 3545A	B8E1409	05/14/2018	05/14/2018 13:36	
PCB-1268	ND	0.11	1	EPA 3545A	B8E1409	05/14/2018	05/14/2018 13:36	
PCB-1262	ND	0.11	1	EPA 3545A	B8E1409	05/14/2018	05/14/2018 13:36	
<i>Surrogate: TCMX [1C]</i>	<i>103 %</i>	<i>30 - 150</i>			B8E1409	05/14/2018	<i>05/14/2018 13:36</i>	
<i>Surrogate: TCMX [2C]</i>	<i>108 %</i>	<i>30 - 150</i>			B8E1409	05/14/2018	<i>05/14/2018 13:36</i>	
<i>Surrogate: DCB [1C]</i>	<i>92.7 %</i>	<i>30 - 150</i>			B8E1409	05/14/2018	<i>05/14/2018 13:36</i>	
<i>Surrogate: DCB [2C]</i>	<i>100 %</i>	<i>30 - 150</i>			B8E1409	05/14/2018	<i>05/14/2018 13:36</i>	

CET #: 8050440
 Project: Fairfield
 Project Number: AY

Client Sample ID O1

Lab ID: 8050440-06

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	880	57	1	EPA 3550C	B8E1202	05/12/2018	05/13/2018 05:58	R
<i>Surrogate: Octacosane</i>	97.7 %	50 - 150			B8E1202	05/12/2018	05/13/2018 05:58	
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	B8E1409	05/14/2018	05/14/2018 13:54	
PCB-1221	ND	0.11	1	EPA 3545A	B8E1409	05/14/2018	05/14/2018 13:54	
PCB-1232	ND	0.11	1	EPA 3545A	B8E1409	05/14/2018	05/14/2018 13:54	
PCB-1242	ND	0.11	1	EPA 3545A	B8E1409	05/14/2018	05/14/2018 13:54	
PCB-1248	ND	0.11	1	EPA 3545A	B8E1409	05/14/2018	05/14/2018 13:54	
PCB-1254	ND	0.11	1	EPA 3545A	B8E1409	05/14/2018	05/14/2018 13:54	
PCB-1260	0.84	0.11	1	EPA 3545A	B8E1409	05/14/2018	05/14/2018 13:54	
PCB-1268	ND	0.11	1	EPA 3545A	B8E1409	05/14/2018	05/14/2018 13:54	
PCB-1262	ND	0.11	1	EPA 3545A	B8E1409	05/14/2018	05/14/2018 13:54	
<i>Surrogate: TCMX [1C]</i>	112 %	30 - 150			B8E1409	05/14/2018	05/14/2018 13:54	
<i>Surrogate: TCMX [2C]</i>	116 %	30 - 150			B8E1409	05/14/2018	05/14/2018 13:54	
<i>Surrogate: DCB [1C]</i>	93.1 %	30 - 150			B8E1409	05/14/2018	05/14/2018 13:54	
<i>Surrogate: DCB [2C]</i>	109 %	30 - 150			B8E1409	05/14/2018	05/14/2018 13:54	

CET #: 8050440
 Project: Fairfield
 Project Number: AY

Client Sample ID PS3

Lab ID: 8050440-07

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	1100	52	1	EPA 3550C	B8E1202	05/12/2018	05/13/2018 06:21	R
<i>Surrogate: Octacosane</i>	<i>99.8 %</i>	<i>50 - 150</i>			B8E1202	05/12/2018	<i>05/13/2018 06:21</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	0.10	1	EPA 3545A	B8E1409	05/14/2018	05/14/2018 14:12	
PCB-1221	ND	0.10	1	EPA 3545A	B8E1409	05/14/2018	05/14/2018 14:12	
PCB-1232	ND	0.10	1	EPA 3545A	B8E1409	05/14/2018	05/14/2018 14:12	
PCB-1242	ND	0.10	1	EPA 3545A	B8E1409	05/14/2018	05/14/2018 14:12	
PCB-1248	ND	0.10	1	EPA 3545A	B8E1409	05/14/2018	05/14/2018 14:12	
PCB-1254	ND	0.10	1	EPA 3545A	B8E1409	05/14/2018	05/14/2018 14:12	
PCB-1260	ND	0.10	1	EPA 3545A	B8E1409	05/14/2018	05/14/2018 14:12	
PCB-1268	ND	0.10	1	EPA 3545A	B8E1409	05/14/2018	05/14/2018 14:12	
PCB-1262	ND	0.10	1	EPA 3545A	B8E1409	05/14/2018	05/14/2018 14:12	
<i>Surrogate: TCMX [1C]</i>	<i>112 %</i>	<i>30 - 150</i>			B8E1409	05/14/2018	<i>05/14/2018 14:12</i>	
<i>Surrogate: TCMX [2C]</i>	<i>116 %</i>	<i>30 - 150</i>			B8E1409	05/14/2018	<i>05/14/2018 14:12</i>	
<i>Surrogate: DCB [1C]</i>	<i>85.8 %</i>	<i>30 - 150</i>			B8E1409	05/14/2018	<i>05/14/2018 14:12</i>	
<i>Surrogate: DCB [2C]</i>	<i>103 %</i>	<i>30 - 150</i>			B8E1409	05/14/2018	<i>05/14/2018 14:12</i>	

CET #: 8050440
 Project: Fairfield
 Project Number: AY

Client Sample ID PS4

Lab ID: 8050440-08

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	910	55	1	EPA 3550C	B8E1202	05/12/2018	05/15/2018 10:54	R
<i>Surrogate: Octacosane</i>	<i>90.1 %</i>	<i>50 - 150</i>			B8E1202	05/12/2018	<i>05/15/2018 10:54</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	B8E1409	05/14/2018	05/14/2018 14:31	
PCB-1221	ND	0.11	1	EPA 3545A	B8E1409	05/14/2018	05/14/2018 14:31	
PCB-1232	ND	0.11	1	EPA 3545A	B8E1409	05/14/2018	05/14/2018 14:31	
PCB-1242	ND	0.11	1	EPA 3545A	B8E1409	05/14/2018	05/14/2018 14:31	
PCB-1248	ND	0.11	1	EPA 3545A	B8E1409	05/14/2018	05/14/2018 14:31	
PCB-1254	0.57	0.11	1	EPA 3545A	B8E1409	05/14/2018	05/14/2018 14:31	
PCB-1260	0.83	0.11	1	EPA 3545A	B8E1409	05/14/2018	05/14/2018 14:31	
PCB-1268	ND	0.11	1	EPA 3545A	B8E1409	05/14/2018	05/14/2018 14:31	
PCB-1262	ND	0.11	1	EPA 3545A	B8E1409	05/14/2018	05/14/2018 14:31	
<i>Surrogate: TCMX [1C]</i>	<i>116 %</i>	<i>30 - 150</i>			B8E1409	05/14/2018	<i>05/14/2018 14:31</i>	
<i>Surrogate: TCMX [2C]</i>	<i>122 %</i>	<i>30 - 150</i>			B8E1409	05/14/2018	<i>05/14/2018 14:31</i>	
<i>Surrogate: DCB [1C]</i>	<i>88.8 %</i>	<i>30 - 150</i>			B8E1409	05/14/2018	<i>05/14/2018 14:31</i>	
<i>Surrogate: DCB [2C]</i>	<i>103 %</i>	<i>30 - 150</i>			B8E1409	05/14/2018	<i>05/14/2018 14:31</i>	

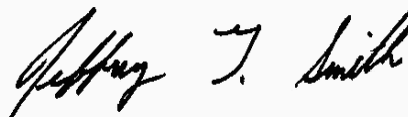
All questions related to this report should be directed to David Ditta, Timothy Fusco, or Robert Blake at 203-377-9984.

Sincerely,

This technical report was reviewed by Jeffrey Smith



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>EPA 8082A in Water</i>	
PCB-1016	CT,RI,MA,NY
PCB-1221	CT,RI,MA,NY
PCB-1232	CT,RI,MA,NY
PCB-1242	CT,RI,MA,NY
PCB-1248	CT,RI,MA,NY
PCB-1254	CT,RI,MA,NY
PCB-1260	CT,RI,MA,NY
PCB-1268	CT,RI,MA,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
MA	Massachusetts Laboratory Certification	M-CT903	06/30/2018
NY	New York Certification (NELAC)	11982	04/01/2019
RI	Rhode Island Certification	LAO 00227	09/30/2018

8050440



COMPLETE ENVIRONMENTAL TESTING, INC.

CHAIN OF CUSTODY

Volatiles Soils Only:

Date and Time In Freezer

Client:

CET:

Additional Analysis

80 Lupes Drive
Stratford, CT 06615
Tel: (203) 377-9964
Fax: (203) 377-9952
e-mail: cet1@cetlabs.com
Bottle Request e-mail: bottleorders@cetlabs.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-Casestite				
Solid				
Wipe				
Other (Specify)				

Collection Date/Time	Matrix	Turnaround Time	8260 CT List	8260 Aromatics	8260 Halogens	CT ETPH	8270 CT List	8270 PNAs	PCBs	SOX	ASE	Pesticides	8 RCRA	13 Priority Poll	15 CT DEP	Total	SPLP	TCLP	Dissolved	Field Filtered	Lab to Filter	Metals	Additional Analysis	TOTAL # OF CONT.	NOTE #
5/11/18 5:05p	A3																								
	B3																								
	C3																								
	D3																								
	K1																								
	O1																								
	P53																								
	PSY																								

PRESERVATIVE (Cl-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=Meth B=Sodium W=Water F=Empty E=Encore)

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

Client / Reporting Information

Company Name: OSPREY
 Address: _____
 City: _____ State: _____ Zip: _____
 Report to: _____ E-mail: _____
 Phone #: _____ Fax #: _____

Project: FAIRFIELD PO #: _____
 Location: RY Project #: _____
 CET Quote #: _____ Collector(s): CONANNEK
 QA/QC: Std Site Specific (MS/MSD) * RCP Pkg * DQAW *
 Data Report PDF EDD - Specify Format _____ Other _____
 RSR Reporting Limits (check one) GA GB SWP Other _____
 Laboratory Certification Needed (check one) CT NY RI MA
 Temp Upon Receipt: 2008 Evidence of Cooling: N P
 PAGE 1 OF 1

NOTES: TASONY EVIDENCE FOR ~~RY~~

* 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