



# 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

18 May 2018

Re: Soils Sampling, Grids K3-M3, N1, O1, PS5-7  
Aggregate Recycling Yard Berm Project, Fairfield, CT  
Collection date: 17 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 K3	1800	3.0	51	ND<0.11
Grid L3	1600	3.5	22	ND<0.11
Grid M3	2100	5.8	47	ND<0.11
Grid N1	830	2.8	34	ND<0.12
Grid O1	1600	4.0	29	ND<0.11
Grid PS5	1300	2.5	52	0.25
Grid PS6	1600	3.0	39	0.46
Grid PS7	1100	2.7	51	0.31

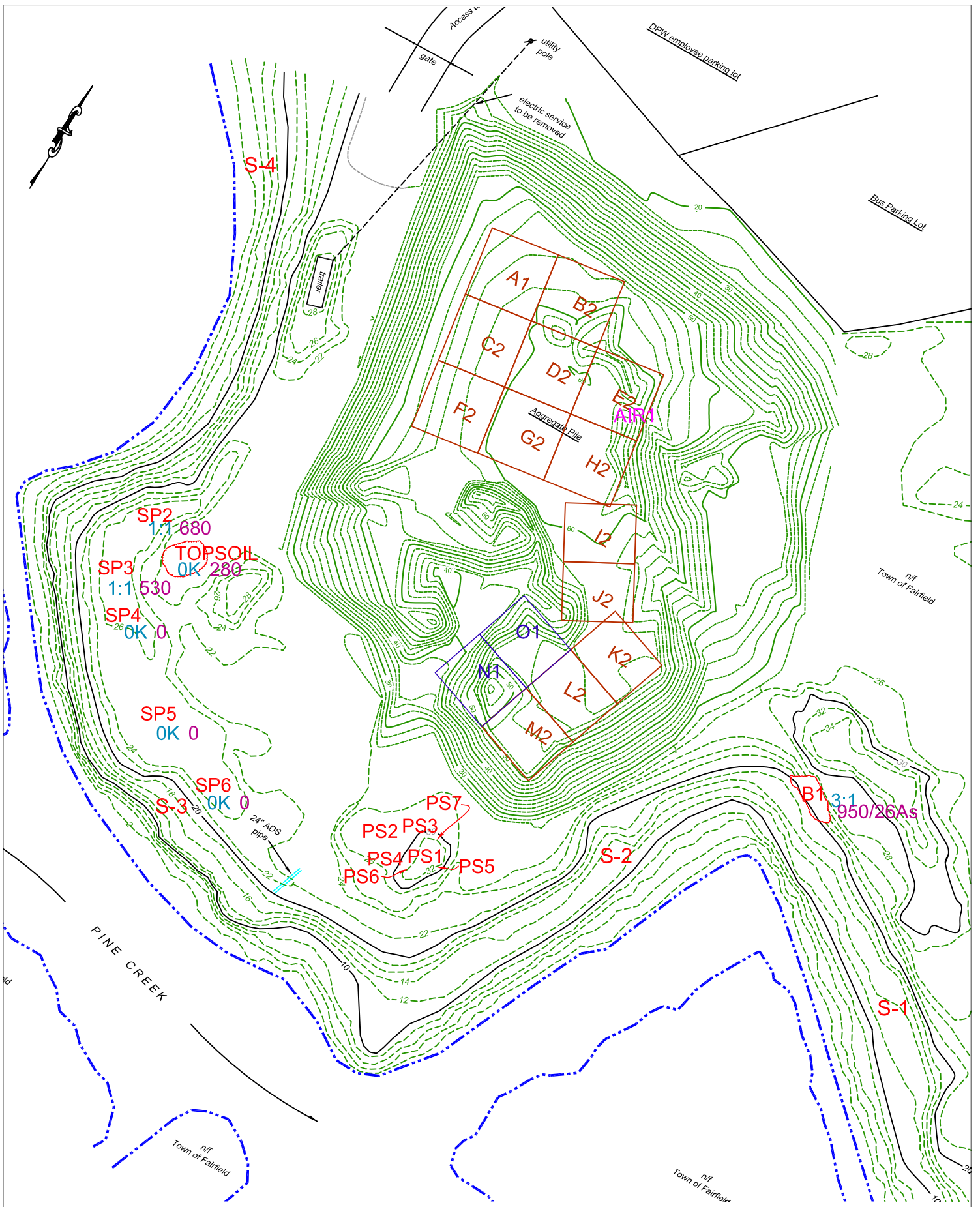
Green is above the Residential DEC Blue is above the Residential & Industrial/Commercial DEC

The Grid samples all had ETPH above the Residential DEC most likely due to the presence of asphalt fragments. 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



<p><b>A-3</b></p>	<p><b>AGGREGATE YARD SOIL SAMPLES</b>  <b>DEPARTMENT OF PUBLIC WORKS FACILITY</b>  <b>90 ROD HIGHWAY, FAIRFIELD, CT</b></p>	<p><b>OSPREY</b>  <b>ENVIRONMENTAL ENGINEERING, LLC</b>          146 East Main Street          Clinton, CT 06413          Phone (860) 669-8651</p> 	<p><b>DRAWN BY: RJC</b>  <b>SCALE: 1"=100'</b>  <b>DATE: 05.15.18</b>  <b>REVISIONS:</b></p>
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Client: Mr. Robert Grabarek  
Osprey Enviromental  
146 East Main St  
Clinton, CT 06413

# Analytical Report

## CET# 8050577



Report Date: May 18, 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 17.8°C.

This report contains analytical data associated with following samples only.

Sample ID	Laboratory ID	Matrix	Collection Date/Time	Receipt Date
PS5	8050577-01	Soil	5/17/2018 8:45	05/17/2018
PS6	8050577-02	Soil	5/17/2018 8:45	05/17/2018
PS7	8050577-03	Soil	5/17/2018 8:45	05/17/2018
N1	8050577-04	Soil	5/17/2018 8:45	05/17/2018
O1	8050577-05	Soil	5/17/2018 8:45	05/17/2018
K3	8050577-06	Soil	5/17/2018 8:45	05/17/2018
L3	8050577-07	Soil	5/17/2018 8:45	05/17/2018
M3	8050577-08	Soil	5/17/2018 8:45	05/17/2018

CET # : 8050577

Project: Fairfield

**Analyte: Percent Solids [SM 2540 G]**

**Analyst: ALM**

**Matrix: Soil**

Laboratory ID	Client Sample ID	Result	RL	Units	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
8050577-01	PS5	86	1.0	%	1	B8E1760	05/17/2018	05/18/2018 08:35	
8050577-02	PS6	89	1.0	%	1	B8E1760	05/17/2018	05/18/2018 08:35	
8050577-03	PS7	87	1.0	%	1	B8E1760	05/17/2018	05/18/2018 08:35	
8050577-04	N1	85	1.0	%	1	B8E1760	05/17/2018	05/18/2018 08:35	
8050577-05	O1	89	1.0	%	1	B8E1760	05/17/2018	05/18/2018 08:35	
8050577-06	K3	89	1.0	%	1	B8E1760	05/17/2018	05/18/2018 08:35	
8050577-07	L3	89	1.0	%	1	B8E1760	05/17/2018	05/18/2018 08:35	
8050577-08	M3	86	1.0	%	1	B8E1760	05/17/2018	05/18/2018 08:35	

**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
8050577-01	PS5	52	2.3	mg/kg dry	1	B8E1755	05/17/2018	05/18/2018 12:24	
8050577-02	PS6	39	2.1	mg/kg dry	1	B8E1755	05/17/2018	05/18/2018 12:28	
8050577-03	PS7	51	2.1	mg/kg dry	1	B8E1755	05/17/2018	05/18/2018 12:41	
8050577-04	N1	34	2.3	mg/kg dry	1	B8E1755	05/17/2018	05/18/2018 12:45	
8050577-05	O1	29	2.1	mg/kg dry	1	B8E1755	05/17/2018	05/18/2018 12:49	
8050577-06	K3	51	2.2	mg/kg dry	1	B8E1755	05/17/2018	05/18/2018 12:53	
8050577-07	L3	22	2.2	mg/kg dry	1	B8E1755	05/17/2018	05/18/2018 12:58	
8050577-08	M3	47	2.3	mg/kg dry	1	B8E1755	05/17/2018	05/18/2018 13:02	

CET # : 8050577

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
8050577-01	PS5	2.5	1.2	mg/kg dry	1	B8E1755	05/17/2018	05/18/2018 12:24	
8050577-02	PS6	3.0	1.1	mg/kg dry	1	B8E1755	05/17/2018	05/18/2018 12:28	
8050577-03	PS7	2.7	1.1	mg/kg dry	1	B8E1755	05/17/2018	05/18/2018 12:41	
8050577-04	N1	2.8	1.1	mg/kg dry	1	B8E1755	05/17/2018	05/18/2018 12:45	
8050577-05	O1	4.0	1.0	mg/kg dry	1	B8E1755	05/17/2018	05/18/2018 12:49	
8050577-06	K3	3.0	1.1	mg/kg dry	1	B8E1755	05/17/2018	05/18/2018 12:53	
8050577-07	L3	3.5	1.1	mg/kg dry	1	B8E1755	05/17/2018	05/18/2018 12:58	
8050577-08	M3	5.8	1.2	mg/kg dry	1	B8E1755	05/17/2018	05/18/2018 13:02	

CET # : 8050577

Project: Fairfield

## Client Sample ID PS5

Lab ID: 8050577-01

## 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
<b>ETPH</b>	<b>1300</b>	58	1	EPA 3550C	B8E1716	05/17/2018	05/18/2018 03:07	R
<i>Surrogate: Octacosane</i>	86.1 %		50 - 150		B8E1716	05/17/2018	05/18/2018 03:07	
R C18-C36 unknown								

## PCBs by ASE

Analyst: PJB

## 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	B8E1718	05/17/2018	05/17/2018 17:37	
PCB-1221	ND	0.11	1	EPA 3545A	B8E1718	05/17/2018	05/17/2018 17:37	
PCB-1232	ND	0.11	1	EPA 3545A	B8E1718	05/17/2018	05/17/2018 17:37	
PCB-1242	ND	0.11	1	EPA 3545A	B8E1718	05/17/2018	05/17/2018 17:37	
PCB-1248	ND	0.11	1	EPA 3545A	B8E1718	05/17/2018	05/17/2018 17:37	
<b>PCB-1254</b>	<b>0.25</b>	0.11	1	EPA 3545A	B8E1718	05/17/2018	05/17/2018 17:37	
PCB-1260	ND	0.11	1	EPA 3545A	B8E1718	05/17/2018	05/17/2018 17:37	
PCB-1268	ND	0.11	1	EPA 3545A	B8E1718	05/17/2018	05/17/2018 17:37	
PCB-1262	ND	0.11	1	EPA 3545A	B8E1718	05/17/2018	05/17/2018 17:37	
<i>Surrogate: TCMX [1C]</i>	97.6 %		30 - 150		B8E1718	05/17/2018	05/17/2018 17:37	
<i>Surrogate: TCMX [2C]</i>	107 %		30 - 150		B8E1718	05/17/2018	05/17/2018 17:37	
<i>Surrogate: DCB [1C]</i>	82.9 %		30 - 150		B8E1718	05/17/2018	05/17/2018 17:37	
<i>Surrogate: DCB [2C]</i>	82.0 %		30 - 150		B8E1718	05/17/2018	05/17/2018 17:37	

CET # : 8050577

Project: Fairfield

## Client Sample ID PS6

Lab ID: 8050577-02

## 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
<b>ETPH</b>	<b>1600</b>	56	1	EPA 3550C	B8E1716	05/17/2018	05/18/2018 03:30	R
<i>Surrogate: Octacosane</i>	<i>94.8 %</i>		<i>50 - 150</i>		B8E1716	05/17/2018	<i>05/18/2018 03:30</i>	
R C18-C36 unknown								

## PCBs by ASE

Analyst: PJB

## 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	B8E1718	05/17/2018	05/17/2018 17:56	
PCB-1221	ND	0.11	1	EPA 3545A	B8E1718	05/17/2018	05/17/2018 17:56	
PCB-1232	ND	0.11	1	EPA 3545A	B8E1718	05/17/2018	05/17/2018 17:56	
PCB-1242	ND	0.11	1	EPA 3545A	B8E1718	05/17/2018	05/17/2018 17:56	
PCB-1248	ND	0.11	1	EPA 3545A	B8E1718	05/17/2018	05/17/2018 17:56	
<b>PCB-1254</b>	<b>0.46</b>	0.11	1	EPA 3545A	B8E1718	05/17/2018	05/17/2018 17:56	
PCB-1260	ND	0.11	1	EPA 3545A	B8E1718	05/17/2018	05/17/2018 17:56	
PCB-1268	ND	0.11	1	EPA 3545A	B8E1718	05/17/2018	05/17/2018 17:56	
PCB-1262	ND	0.11	1	EPA 3545A	B8E1718	05/17/2018	05/17/2018 17:56	
<i>Surrogate: TCMX [1C]</i>	<i>112 %</i>		<i>30 - 150</i>		B8E1718	05/17/2018	<i>05/17/2018 17:56</i>	
<i>Surrogate: TCMX [2C]</i>	<i>119 %</i>		<i>30 - 150</i>		B8E1718	05/17/2018	<i>05/17/2018 17:56</i>	
<i>Surrogate: DCB [1C]</i>	<i>92.2 %</i>		<i>30 - 150</i>		B8E1718	05/17/2018	<i>05/17/2018 17:56</i>	
<i>Surrogate: DCB [2C]</i>	<i>90.1 %</i>		<i>30 - 150</i>		B8E1718	05/17/2018	<i>05/17/2018 17:56</i>	



CET # : 8050577

Project: Fairfield

## Client Sample ID PS7

Lab ID: 8050577-03

## 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
<b>ETPH</b>	<b>1100</b>	57	1	EPA 3550C	B8E1716	05/17/2018	05/18/2018 03:52	R
<i>Surrogate: Octacosane</i>	92.8 %		50 - 150		B8E1716	05/17/2018	05/18/2018 03:52	
R C18-C36 unknown								

## PCBs by ASE

Analyst: PJB

## 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	B8E1718	05/17/2018	05/17/2018 18:15	
PCB-1221	ND	0.11	1	EPA 3545A	B8E1718	05/17/2018	05/17/2018 18:15	
PCB-1232	ND	0.11	1	EPA 3545A	B8E1718	05/17/2018	05/17/2018 18:15	
PCB-1242	ND	0.11	1	EPA 3545A	B8E1718	05/17/2018	05/17/2018 18:15	
PCB-1248	ND	0.11	1	EPA 3545A	B8E1718	05/17/2018	05/17/2018 18:15	
<b>PCB-1254</b>	<b>0.31</b>	0.11	1	EPA 3545A	B8E1718	05/17/2018	05/17/2018 18:15	
PCB-1260	ND	0.11	1	EPA 3545A	B8E1718	05/17/2018	05/17/2018 18:15	
PCB-1268	ND	0.11	1	EPA 3545A	B8E1718	05/17/2018	05/17/2018 18:15	
PCB-1262	ND	0.11	1	EPA 3545A	B8E1718	05/17/2018	05/17/2018 18:15	
<i>Surrogate: TCMX [1C]</i>	96.5 %		30 - 150		B8E1718	05/17/2018	05/17/2018 18:15	
<i>Surrogate: TCMX [2C]</i>	101 %		30 - 150		B8E1718	05/17/2018	05/17/2018 18:15	
<i>Surrogate: DCB [1C]</i>	81.5 %		30 - 150		B8E1718	05/17/2018	05/17/2018 18:15	
<i>Surrogate: DCB [2C]</i>	76.7 %		30 - 150		B8E1718	05/17/2018	05/17/2018 18:15	

CET # : 8050577

Project: Fairfield

**Client Sample ID N1**

**Lab ID: 8050577-04**

**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
<b>ETPH</b>	<b>830</b>	58	1	EPA 3550C	B8E1716	05/17/2018	05/18/2018 04:15	R
<i>Surrogate: Octacosane</i>	95.9 %		50 - 150		B8E1716	05/17/2018	05/18/2018 04:15	
R C18-C36 unknown								

**PCBs by ASE**

**Analyst: PJB**

**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	0.12	1	EPA 3545A	B8E1718	05/17/2018	05/17/2018 18:34	
PCB-1221	ND	0.12	1	EPA 3545A	B8E1718	05/17/2018	05/17/2018 18:34	
PCB-1232	ND	0.12	1	EPA 3545A	B8E1718	05/17/2018	05/17/2018 18:34	
PCB-1242	ND	0.12	1	EPA 3545A	B8E1718	05/17/2018	05/17/2018 18:34	
PCB-1248	ND	0.12	1	EPA 3545A	B8E1718	05/17/2018	05/17/2018 18:34	
PCB-1254	ND	0.12	1	EPA 3545A	B8E1718	05/17/2018	05/17/2018 18:34	
PCB-1260	ND	0.12	1	EPA 3545A	B8E1718	05/17/2018	05/17/2018 18:34	
PCB-1268	ND	0.12	1	EPA 3545A	B8E1718	05/17/2018	05/17/2018 18:34	
PCB-1262	ND	0.12	1	EPA 3545A	B8E1718	05/17/2018	05/17/2018 18:34	
<i>Surrogate: TCMX [1C]</i>	74.3 %		30 - 150		B8E1718	05/17/2018	05/17/2018 18:34	
<i>Surrogate: TCMX [2C]</i>	77.9 %		30 - 150		B8E1718	05/17/2018	05/17/2018 18:34	
<i>Surrogate: DCB [1C]</i>	61.5 %		30 - 150		B8E1718	05/17/2018	05/17/2018 18:34	
<i>Surrogate: DCB [2C]</i>	59.1 %		30 - 150		B8E1718	05/17/2018	05/17/2018 18:34	

CET # : 8050577

Project: Fairfield

## Client Sample ID O1

Lab ID: 8050577-05

## 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
<b>ETPH</b>	<b>1600</b>	56	1	EPA 3550C	B8E1716	05/17/2018	05/18/2018 04:37	R
<i>Surrogate: Octacosane</i>	95.9 %		50 - 150		B8E1716	05/17/2018	05/18/2018 04:37	
R C18-C36 unknown								

## PCBs by ASE

Analyst: PJB

## 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	B8E1718	05/17/2018	05/17/2018 18:53	
PCB-1221	ND	0.11	1	EPA 3545A	B8E1718	05/17/2018	05/17/2018 18:53	
PCB-1232	ND	0.11	1	EPA 3545A	B8E1718	05/17/2018	05/17/2018 18:53	
PCB-1242	ND	0.11	1	EPA 3545A	B8E1718	05/17/2018	05/17/2018 18:53	
PCB-1248	ND	0.11	1	EPA 3545A	B8E1718	05/17/2018	05/17/2018 18:53	
PCB-1254	ND	0.11	1	EPA 3545A	B8E1718	05/17/2018	05/17/2018 18:53	
PCB-1260	ND	0.11	1	EPA 3545A	B8E1718	05/17/2018	05/17/2018 18:53	
PCB-1268	ND	0.11	1	EPA 3545A	B8E1718	05/17/2018	05/17/2018 18:53	
PCB-1262	ND	0.11	1	EPA 3545A	B8E1718	05/17/2018	05/17/2018 18:53	
<i>Surrogate: TCMX [1C]</i>	103 %		30 - 150		B8E1718	05/17/2018	05/17/2018 18:53	
<i>Surrogate: TCMX [2C]</i>	109 %		30 - 150		B8E1718	05/17/2018	05/17/2018 18:53	
<i>Surrogate: DCB [1C]</i>	83.4 %		30 - 150		B8E1718	05/17/2018	05/17/2018 18:53	
<i>Surrogate: DCB [2C]</i>	79.0 %		30 - 150		B8E1718	05/17/2018	05/17/2018 18:53	

CET # : 8050577

Project: Fairfield

## Client Sample ID K3

Lab ID: 8050577-06

## 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
<b>ETPH</b>	<b>1800</b>	56	1	EPA 3550C	B8E1716	05/17/2018	05/18/2018 09:51	R
<i>Surrogate: Octacosane</i>	<i>105 %</i>		<i>50 - 150</i>		B8E1716	05/17/2018	<i>05/18/2018 09:51</i>	
R C18-C36 unknown								

## PCBs by ASE

Analyst: PJB

## 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	B8E1718	05/17/2018	05/17/2018 19:13	
PCB-1221	ND	0.11	1	EPA 3545A	B8E1718	05/17/2018	05/17/2018 19:13	
PCB-1232	ND	0.11	1	EPA 3545A	B8E1718	05/17/2018	05/17/2018 19:13	
PCB-1242	ND	0.11	1	EPA 3545A	B8E1718	05/17/2018	05/17/2018 19:13	
PCB-1248	ND	0.11	1	EPA 3545A	B8E1718	05/17/2018	05/17/2018 19:13	
PCB-1254	ND	0.11	1	EPA 3545A	B8E1718	05/17/2018	05/17/2018 19:13	
PCB-1260	ND	0.11	1	EPA 3545A	B8E1718	05/17/2018	05/17/2018 19:13	
PCB-1268	ND	0.11	1	EPA 3545A	B8E1718	05/17/2018	05/17/2018 19:13	
PCB-1262	ND	0.11	1	EPA 3545A	B8E1718	05/17/2018	05/17/2018 19:13	
<i>Surrogate: TCMX [1C]</i>	<i>89.8 %</i>		<i>30 - 150</i>		B8E1718	05/17/2018	<i>05/17/2018 19:13</i>	
<i>Surrogate: TCMX [2C]</i>	<i>93.0 %</i>		<i>30 - 150</i>		B8E1718	05/17/2018	<i>05/17/2018 19:13</i>	
<i>Surrogate: DCB [1C]</i>	<i>69.4 %</i>		<i>30 - 150</i>		B8E1718	05/17/2018	<i>05/17/2018 19:13</i>	
<i>Surrogate: DCB [2C]</i>	<i>64.1 %</i>		<i>30 - 150</i>		B8E1718	05/17/2018	<i>05/17/2018 19:13</i>	

CET # : 8050577

Project: Fairfield

## Client Sample ID L3

Lab ID: 8050577-07

## 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
<b>ETPH</b>	<b>1600</b>	56	1	EPA 3550C	B8E1716	05/17/2018	05/18/2018 05:22	R
<i>Surrogate: Octacosane</i>	<i>102 %</i>		<i>50 - 150</i>		B8E1716	05/17/2018	<i>05/18/2018 05:22</i>	
R C18-C36 unknown								

## PCBs by ASE

Analyst: PJB

## 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	B8E1718	05/17/2018	05/17/2018 19:32	
PCB-1221	ND	0.11	1	EPA 3545A	B8E1718	05/17/2018	05/17/2018 19:32	
PCB-1232	ND	0.11	1	EPA 3545A	B8E1718	05/17/2018	05/17/2018 19:32	
PCB-1242	ND	0.11	1	EPA 3545A	B8E1718	05/17/2018	05/17/2018 19:32	
PCB-1248	ND	0.11	1	EPA 3545A	B8E1718	05/17/2018	05/17/2018 19:32	
PCB-1254	ND	0.11	1	EPA 3545A	B8E1718	05/17/2018	05/17/2018 19:32	
PCB-1260	ND	0.11	1	EPA 3545A	B8E1718	05/17/2018	05/17/2018 19:32	
PCB-1268	ND	0.11	1	EPA 3545A	B8E1718	05/17/2018	05/17/2018 19:32	
PCB-1262	ND	0.11	1	EPA 3545A	B8E1718	05/17/2018	05/17/2018 19:32	
<i>Surrogate: TCMX [1C]</i>	<i>104 %</i>		<i>30 - 150</i>		B8E1718	05/17/2018	<i>05/17/2018 19:32</i>	
<i>Surrogate: TCMX [2C]</i>	<i>108 %</i>		<i>30 - 150</i>		B8E1718	05/17/2018	<i>05/17/2018 19:32</i>	
<i>Surrogate: DCB [1C]</i>	<i>79.6 %</i>		<i>30 - 150</i>		B8E1718	05/17/2018	<i>05/17/2018 19:32</i>	
<i>Surrogate: DCB [2C]</i>	<i>74.4 %</i>		<i>30 - 150</i>		B8E1718	05/17/2018	<i>05/17/2018 19:32</i>	

CET # : 8050577

Project: Fairfield

## Client Sample ID M3

Lab ID: 8050577-08

## 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
<b>ETPH</b>	<b>2100</b>	58	1	EPA 3550C	B8E1716	05/17/2018	05/18/2018 05:45	R
<i>Surrogate: Octacosane</i>	<i>113 %</i>		<i>50 - 150</i>		B8E1716	05/17/2018	<i>05/18/2018 05:45</i>	
R C18-C36 unknown								

## PCBs by ASE

Analyst: PJB

## 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	B8E1718	05/17/2018	05/17/2018 19:51	
PCB-1221	ND	0.11	1	EPA 3545A	B8E1718	05/17/2018	05/17/2018 19:51	
PCB-1232	ND	0.11	1	EPA 3545A	B8E1718	05/17/2018	05/17/2018 19:51	
PCB-1242	ND	0.11	1	EPA 3545A	B8E1718	05/17/2018	05/17/2018 19:51	
PCB-1248	ND	0.11	1	EPA 3545A	B8E1718	05/17/2018	05/17/2018 19:51	
PCB-1254	ND	0.11	1	EPA 3545A	B8E1718	05/17/2018	05/17/2018 19:51	
PCB-1260	ND	0.11	1	EPA 3545A	B8E1718	05/17/2018	05/17/2018 19:51	
PCB-1268	ND	0.11	1	EPA 3545A	B8E1718	05/17/2018	05/17/2018 19:51	
PCB-1262	ND	0.11	1	EPA 3545A	B8E1718	05/17/2018	05/17/2018 19:51	
<i>Surrogate: TCMX [1C]</i>	<i>103 %</i>		<i>30 - 150</i>		B8E1718	05/17/2018	<i>05/17/2018 19:51</i>	
<i>Surrogate: TCMX [2C]</i>	<i>105 %</i>		<i>30 - 150</i>		B8E1718	05/17/2018	<i>05/17/2018 19:51</i>	
<i>Surrogate: DCB [1C]</i>	<i>75.2 %</i>		<i>30 - 150</i>		B8E1718	05/17/2018	<i>05/17/2018 19:51</i>	
<i>Surrogate: DCB [2C]</i>	<i>69.2 %</i>		<i>30 - 150</i>		B8E1718	05/17/2018	<i>05/17/2018 19:51</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
<b><i>CT-ETPH in Soil</i></b>	
ETPH	CT
<b><i>EPA 6010C in Soil</i></b>	
Lead	CT,NY
Arsenic	CT,NY
<b><i>EPA 8082A in Soil</i></b>	
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
<b><i>SM 2540 G in Soil</i></b>	
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@celabs.com  
 Bottle Request e-mail: bottleorders@celabs.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 *
Std (5-7 Days)				

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

TOTAL # OF CONT.	
NOTE #	

Collection Date/Time	Matrix	Turnaround Time **	8260 CT List	8260 Aromatics	8260 Halogens	CT ETPH	8270 CT List	8270 PNAs	PCBs <input type="checkbox"/> SOX <input checked="" type="checkbox"/> ASE	Pesticides	8 RCRA	13 Priority Poll	15 CT DEP	Total	SPLP	TCLP	Dissolved	Field Filtered	Lab to Filter	Additional Analysis
5/17/18 8:45A	Air					X														
	Soil																			
	Water																			
	DM-Drinking																			
	Water																			
	C-Casertite																			
	Waste																			
	Other (Specify)																			

PRESERVATIVE (Cl-HCl, N-HNO<sub>3</sub>, S-H<sub>2</sub>SO<sub>4</sub>, Na-NaOH, C-Cool, O-Other)

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

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

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

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

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 Information

Project: \_\_\_\_\_ PO #: \_\_\_\_\_

Location: \_\_\_\_\_ Project #: \_\_\_\_\_

CET Quote # \_\_\_\_\_ Collector(s): \_\_\_\_\_

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: 17.8 °C Evidence of Cooling:  Y  N

PAGE \_\_\_\_\_ OF \_\_\_\_\_

NOTES: FOR FRIDAY PM

PS5 PS6 PS7 NI NI K3 L3 M3

5/17/18 8:45A

RECEIVED BY: M. [Signature]

DATE/TIME: 05/17/18 9:30AM

\* 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