



# OSPREY ENVIRONMENTAL ENGINEERING, LLC.

146 EAST MAIN STREET . CLINTON, CT 06413

PHONE: 860.669.8651 FAX: 860.664.3751

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

19 April 2018

Re: Soils Sampling, Grids E-M, Aggregate Recycling Yard Berm Project, Fairfield, CT  
Collection date: 17 April 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 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	500/250 0	10/10	400/1000	1/10
Grid E	780	5.1	32	ND<0.11
Grid F	960	3.3	22	ND<0.11
Grid G	770	3.3	31	ND<0.11
Grid H	600	3.3	82	ND<0.11
Grid I	1200	3.6	36	ND<0.11
Grid J	1300	3.1	29	ND<0.11
Grid K	1400	6.1	24	ND<0.11
Grid L	940	3.4	36	ND<0.11
Grid M	780	2.8	34	ND<0.11

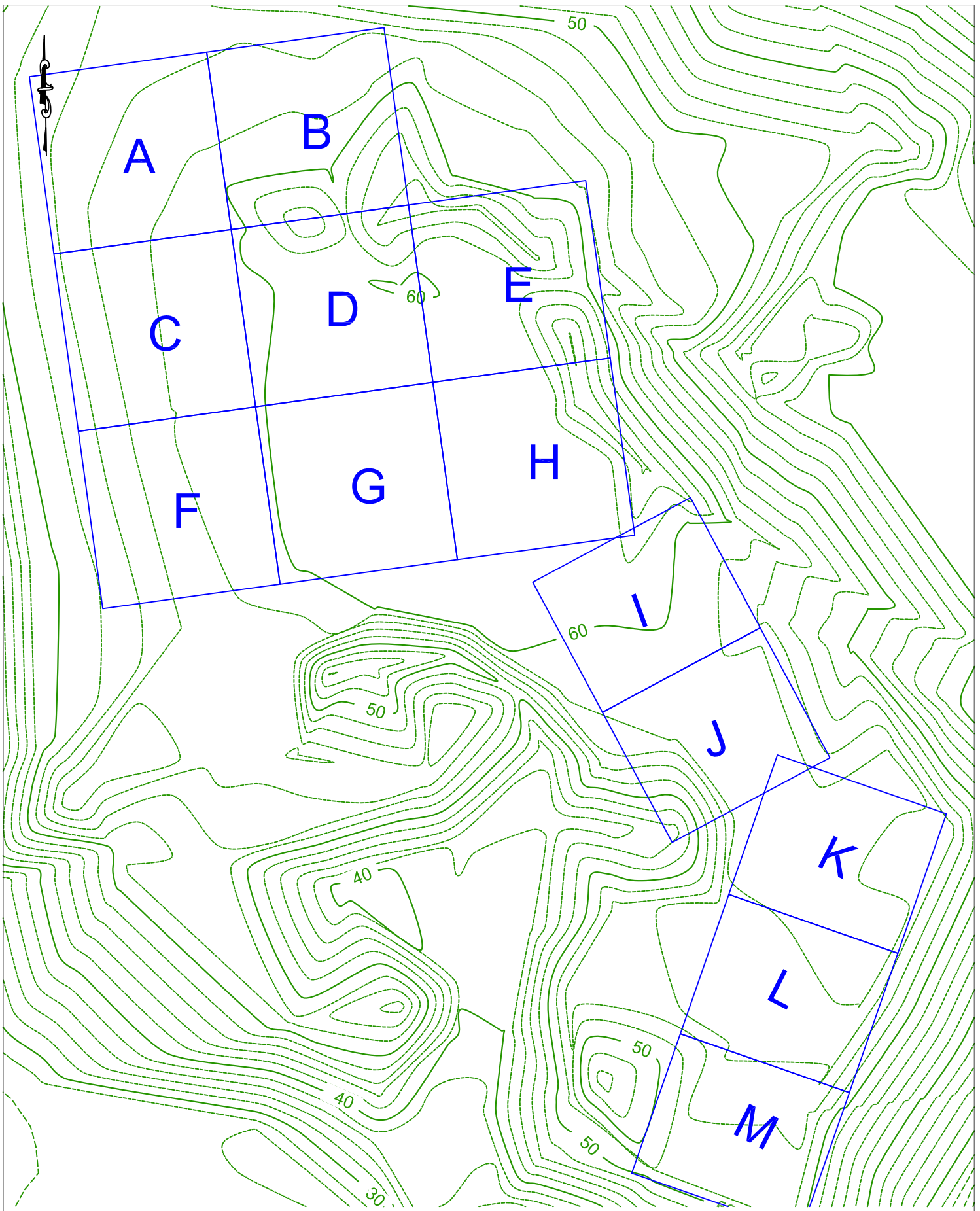
*Green* is above the Residential DEC *Blue* is above the Residential & Industrial/Commercial DEC

The samples all had ETPH above the Residential DEC but below the Industrial/Commercial 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



A-1

AGGREGATE YARD SAMPLING GRID  
 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"=40'*  
*DATE: 04.17.18*  
*REVISIONS:*

80 Lupes Drive  
Stratford, CT 06615



Tel: (203) 377-9984  
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Client: Mr. Robert Grabarek  
Osprey Enviromental  
146 East Main St  
Clinton, CT 06413

# Analytical Report

## CET# 8040678



Report Date: April 23, 2018  
Project: Fairfield  
Project Number: FF/AG YD

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



New York NELAP Accreditation: 11982  
Rhode Island Certification: 199

CET # : 8040678

Project: Fairfield

Project Number: FF/AG YD

**SAMPLE SUMMARY**

The sample(s) were received at 4.0°C.

This report contains analytical data associated with following samples only.

Sample ID	Laboratory ID	Matrix	Collection Date/Time	Receipt Date
FA1	8040678-01	Soil	4/09/2018 13:30	04/12/2018
FA2	8040678-02	Soil	4/09/2018 13:30	04/12/2018
FA3	8040678-03	Soil	4/09/2018 13:30	04/12/2018
FA4	8040678-04	Soil	4/09/2018 13:30	04/12/2018
E	8040678-05	Soil	4/17/2018 11:15	04/12/2018
F	8040678-06	Soil	4/17/2018 11:15	04/12/2018
G	8040678-07	Soil	4/17/2018 11:15	04/12/2018
H	8040678-08	Soil	4/17/2018 11:15	04/12/2018
I	8040678-09	Soil	4/17/2018 11:15	04/12/2018
J	8040678-10	Soil	4/17/2018 11:15	04/12/2018
K	8040678-11	Soil	4/17/2018 11:15	04/12/2018
L	8040678-12	Soil	4/17/2018 11:15	04/12/2018
M	8040678-13	Soil	4/17/2018 11:15	04/12/2018

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

**Analyst: JWF**

**Matrix: Soil**

Laboratory ID	Client Sample ID	Result	RL	Units	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
8040678-01	FA1	88	1.0	%	1	B8D2016	04/20/2018	04/23/2018 15:35	
8040678-02	FA2	90	1.0	%	1	B8D2016	04/20/2018	04/23/2018 15:35	
8040678-03	FA3	93	1.0	%	1	B8D2016	04/20/2018	04/23/2018 15:35	
8040678-04	FA4	92	1.0	%	1	B8D2016	04/20/2018	04/23/2018 15:35	
8040678-05	E	88	1.0	%	1	B8D2016	04/20/2018	04/23/2018 15:35	
8040678-06	F	89	1.0	%	1	B8D2016	04/20/2018	04/23/2018 15:35	
8040678-07	G	90	1.0	%	1	B8D2016	04/20/2018	04/23/2018 15:35	
8040678-08	H	87	1.0	%	1	B8D2016	04/20/2018	04/23/2018 15:35	
8040678-09	I	88	1.0	%	1	B8D2016	04/20/2018	04/23/2018 15:35	
8040678-10	J	90	1.0	%	1	B8D2016	04/20/2018	04/23/2018 15:35	
8040678-11	K	91	1.0	%	1	B8D2016	04/20/2018	04/23/2018 15:35	
8040678-12	L	89	1.0	%	1	B8D2016	04/20/2018	04/23/2018 15:35	
8040678-13	M	90	1.0	%	1	B8D2016	04/20/2018	04/23/2018 15:35	

CET # : 8040678  
 Project: Fairfield  
 Project Number: FF/AG YD

**Client Sample ID FA1**

**Lab ID: 8040678-01**

**PCBs by ASE**  
**Method: EPA 8082A**

**Analyst: PJB**  
**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	B8D2021	04/20/2018	04/20/2018 18:03	
PCB-1221	ND	0.11	1	EPA 3545A	B8D2021	04/20/2018	04/20/2018 18:03	
PCB-1232	ND	0.11	1	EPA 3545A	B8D2021	04/20/2018	04/20/2018 18:03	
PCB-1242	ND	0.11	1	EPA 3545A	B8D2021	04/20/2018	04/20/2018 18:03	
PCB-1248	ND	0.11	1	EPA 3545A	B8D2021	04/20/2018	04/20/2018 18:03	
PCB-1254	ND	0.11	1	EPA 3545A	B8D2021	04/20/2018	04/20/2018 18:03	
PCB-1260	ND	0.11	1	EPA 3545A	B8D2021	04/20/2018	04/20/2018 18:03	
PCB-1268	ND	0.11	1	EPA 3545A	B8D2021	04/20/2018	04/20/2018 18:03	
PCB-1262	ND	0.11	1	EPA 3545A	B8D2021	04/20/2018	04/20/2018 18:03	
<i>Surrogate: TCMX [1C]</i>	<i>99.9 %</i>	<i>30 - 150</i>			B8D2021	04/20/2018	<i>04/20/2018 18:03</i>	
<i>Surrogate: TCMX [2C]</i>	<i>100 %</i>	<i>30 - 150</i>			B8D2021	04/20/2018	<i>04/20/2018 18:03</i>	
<i>Surrogate: DCB [1C]</i>	<i>68.8 %</i>	<i>30 - 150</i>			B8D2021	04/20/2018	<i>04/20/2018 18:03</i>	
<i>Surrogate: DCB [2C]</i>	<i>73.4 %</i>	<i>30 - 150</i>			B8D2021	04/20/2018	<i>04/20/2018 18:03</i>	

**Client Sample ID FA2**

**Lab ID: 8040678-02**

**PCBs by ASE**  
**Method: EPA 8082A**

**Analyst: PJB**  
**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	B8D2021	04/20/2018	04/20/2018 18:23	
PCB-1221	ND	0.11	1	EPA 3545A	B8D2021	04/20/2018	04/20/2018 18:23	
PCB-1232	ND	0.11	1	EPA 3545A	B8D2021	04/20/2018	04/20/2018 18:23	
PCB-1242	ND	0.11	1	EPA 3545A	B8D2021	04/20/2018	04/20/2018 18:23	
PCB-1248	ND	0.11	1	EPA 3545A	B8D2021	04/20/2018	04/20/2018 18:23	
PCB-1254	ND	0.11	1	EPA 3545A	B8D2021	04/20/2018	04/20/2018 18:23	
PCB-1260	ND	0.11	1	EPA 3545A	B8D2021	04/20/2018	04/20/2018 18:23	
PCB-1268	ND	0.11	1	EPA 3545A	B8D2021	04/20/2018	04/20/2018 18:23	
PCB-1262	ND	0.11	1	EPA 3545A	B8D2021	04/20/2018	04/20/2018 18:23	
<i>Surrogate: TCMX [1C]</i>	<i>94.3 %</i>	<i>30 - 150</i>			B8D2021	04/20/2018	<i>04/20/2018 18:23</i>	
<i>Surrogate: TCMX [2C]</i>	<i>91.5 %</i>	<i>30 - 150</i>			B8D2021	04/20/2018	<i>04/20/2018 18:23</i>	
<i>Surrogate: DCB [1C]</i>	<i>67.8 %</i>	<i>30 - 150</i>			B8D2021	04/20/2018	<i>04/20/2018 18:23</i>	
<i>Surrogate: DCB [2C]</i>	<i>71.6 %</i>	<i>30 - 150</i>			B8D2021	04/20/2018	<i>04/20/2018 18:23</i>	

CET # : 8040678  
 Project: Fairfield  
 Project Number: FF/AG YD

**Client Sample ID FA3**

**Lab ID: 8040678-03**

**PCBs by ASE**  
**Method: EPA 8082A**

**Analyst: PJB**  
**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	B8D2021	04/20/2018	04/20/2018 18:42	
PCB-1221	ND	0.11	1	EPA 3545A	B8D2021	04/20/2018	04/20/2018 18:42	
PCB-1232	ND	0.11	1	EPA 3545A	B8D2021	04/20/2018	04/20/2018 18:42	
PCB-1242	ND	0.11	1	EPA 3545A	B8D2021	04/20/2018	04/20/2018 18:42	
PCB-1248	ND	0.11	1	EPA 3545A	B8D2021	04/20/2018	04/20/2018 18:42	
PCB-1254	ND	0.11	1	EPA 3545A	B8D2021	04/20/2018	04/20/2018 18:42	
PCB-1260	ND	0.11	1	EPA 3545A	B8D2021	04/20/2018	04/20/2018 18:42	
PCB-1268	ND	0.11	1	EPA 3545A	B8D2021	04/20/2018	04/20/2018 18:42	
PCB-1262	ND	0.11	1	EPA 3545A	B8D2021	04/20/2018	04/20/2018 18:42	
<i>Surrogate: TCMX [1C]</i>	<i>103 %</i>		<i>30 - 150</i>		B8D2021	04/20/2018	<i>04/20/2018 18:42</i>	
<i>Surrogate: TCMX [2C]</i>	<i>100 %</i>		<i>30 - 150</i>		B8D2021	04/20/2018	<i>04/20/2018 18:42</i>	
<i>Surrogate: DCB [1C]</i>	<i>71.6 %</i>		<i>30 - 150</i>		B8D2021	04/20/2018	<i>04/20/2018 18:42</i>	
<i>Surrogate: DCB [2C]</i>	<i>74.3 %</i>		<i>30 - 150</i>		B8D2021	04/20/2018	<i>04/20/2018 18:42</i>	

**Client Sample ID FA4**

**Lab ID: 8040678-04**

**PCBs by ASE**  
**Method: EPA 8082A**

**Analyst: PJB**  
**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	B8D2021	04/20/2018	04/20/2018 19:01	
PCB-1221	ND	0.11	1	EPA 3545A	B8D2021	04/20/2018	04/20/2018 19:01	
PCB-1232	ND	0.11	1	EPA 3545A	B8D2021	04/20/2018	04/20/2018 19:01	
PCB-1242	ND	0.11	1	EPA 3545A	B8D2021	04/20/2018	04/20/2018 19:01	
PCB-1248	ND	0.11	1	EPA 3545A	B8D2021	04/20/2018	04/20/2018 19:01	
PCB-1254	ND	0.11	1	EPA 3545A	B8D2021	04/20/2018	04/20/2018 19:01	
PCB-1260	ND	0.11	1	EPA 3545A	B8D2021	04/20/2018	04/20/2018 19:01	
PCB-1268	ND	0.11	1	EPA 3545A	B8D2021	04/20/2018	04/20/2018 19:01	
PCB-1262	ND	0.11	1	EPA 3545A	B8D2021	04/20/2018	04/20/2018 19:01	
<i>Surrogate: TCMX [1C]</i>	<i>101 %</i>		<i>30 - 150</i>		B8D2021	04/20/2018	<i>04/20/2018 19:01</i>	
<i>Surrogate: TCMX [2C]</i>	<i>95.5 %</i>		<i>30 - 150</i>		B8D2021	04/20/2018	<i>04/20/2018 19:01</i>	
<i>Surrogate: DCB [1C]</i>	<i>70.1 %</i>		<i>30 - 150</i>		B8D2021	04/20/2018	<i>04/20/2018 19:01</i>	
<i>Surrogate: DCB [2C]</i>	<i>72.8 %</i>		<i>30 - 150</i>		B8D2021	04/20/2018	<i>04/20/2018 19:01</i>	

CET # : 8040678  
 Project: Fairfield  
 Project Number: FF/AG YD

**Client Sample ID E**

**Lab ID: 8040678-05**

**PCBs by ASE**  
**Method: EPA 8082A**

**Analyst: PJB**  
**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	B8D2021	04/20/2018	04/20/2018 19:21	
PCB-1221	ND	0.11	1	EPA 3545A	B8D2021	04/20/2018	04/20/2018 19:21	
PCB-1232	ND	0.11	1	EPA 3545A	B8D2021	04/20/2018	04/20/2018 19:21	
PCB-1242	ND	0.11	1	EPA 3545A	B8D2021	04/20/2018	04/20/2018 19:21	
PCB-1248	ND	0.11	1	EPA 3545A	B8D2021	04/20/2018	04/20/2018 19:21	
PCB-1254	ND	0.11	1	EPA 3545A	B8D2021	04/20/2018	04/20/2018 19:21	
PCB-1260	ND	0.11	1	EPA 3545A	B8D2021	04/20/2018	04/20/2018 19:21	
PCB-1268	ND	0.11	1	EPA 3545A	B8D2021	04/20/2018	04/20/2018 19:21	
PCB-1262	ND	0.11	1	EPA 3545A	B8D2021	04/20/2018	04/20/2018 19:21	
<i>Surrogate: TCMX [1C]</i>	<i>83.1 %</i>		<i>30 - 150</i>		B8D2021	04/20/2018	<i>04/20/2018 19:21</i>	
<i>Surrogate: TCMX [2C]</i>	<i>77.1 %</i>		<i>30 - 150</i>		B8D2021	04/20/2018	<i>04/20/2018 19:21</i>	
<i>Surrogate: DCB [1C]</i>	<i>58.4 %</i>		<i>30 - 150</i>		B8D2021	04/20/2018	<i>04/20/2018 19:21</i>	
<i>Surrogate: DCB [2C]</i>	<i>61.2 %</i>		<i>30 - 150</i>		B8D2021	04/20/2018	<i>04/20/2018 19:21</i>	

**Client Sample ID F**

**Lab ID: 8040678-06**

**PCBs by ASE**  
**Method: EPA 8082A**

**Analyst: PJB**  
**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	B8D2021	04/20/2018	04/20/2018 19:40	
PCB-1221	ND	0.11	1	EPA 3545A	B8D2021	04/20/2018	04/20/2018 19:40	
PCB-1232	ND	0.11	1	EPA 3545A	B8D2021	04/20/2018	04/20/2018 19:40	
PCB-1242	ND	0.11	1	EPA 3545A	B8D2021	04/20/2018	04/20/2018 19:40	
PCB-1248	ND	0.11	1	EPA 3545A	B8D2021	04/20/2018	04/20/2018 19:40	
PCB-1254	ND	0.11	1	EPA 3545A	B8D2021	04/20/2018	04/20/2018 19:40	
PCB-1260	ND	0.11	1	EPA 3545A	B8D2021	04/20/2018	04/20/2018 19:40	
PCB-1268	ND	0.11	1	EPA 3545A	B8D2021	04/20/2018	04/20/2018 19:40	
PCB-1262	ND	0.11	1	EPA 3545A	B8D2021	04/20/2018	04/20/2018 19:40	
<i>Surrogate: TCMX [1C]</i>	<i>101 %</i>		<i>30 - 150</i>		B8D2021	04/20/2018	<i>04/20/2018 19:40</i>	
<i>Surrogate: TCMX [2C]</i>	<i>96.8 %</i>		<i>30 - 150</i>		B8D2021	04/20/2018	<i>04/20/2018 19:40</i>	
<i>Surrogate: DCB [1C]</i>	<i>70.6 %</i>		<i>30 - 150</i>		B8D2021	04/20/2018	<i>04/20/2018 19:40</i>	
<i>Surrogate: DCB [2C]</i>	<i>72.0 %</i>		<i>30 - 150</i>		B8D2021	04/20/2018	<i>04/20/2018 19:40</i>	

CET # : 8040678  
 Project: Fairfield  
 Project Number: FF/AG YD

**Client Sample ID G**

**Lab ID: 8040678-07**

**PCBs by ASE**  
**Method: EPA 8082A**

**Analyst: PJB**  
**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	B8D2021	04/20/2018	04/20/2018 19:59	
PCB-1221	ND	0.11	1	EPA 3545A	B8D2021	04/20/2018	04/20/2018 19:59	
PCB-1232	ND	0.11	1	EPA 3545A	B8D2021	04/20/2018	04/20/2018 19:59	
PCB-1242	ND	0.11	1	EPA 3545A	B8D2021	04/20/2018	04/20/2018 19:59	
PCB-1248	ND	0.11	1	EPA 3545A	B8D2021	04/20/2018	04/20/2018 19:59	
PCB-1254	ND	0.11	1	EPA 3545A	B8D2021	04/20/2018	04/20/2018 19:59	
PCB-1260	ND	0.11	1	EPA 3545A	B8D2021	04/20/2018	04/20/2018 19:59	
PCB-1268	ND	0.11	1	EPA 3545A	B8D2021	04/20/2018	04/20/2018 19:59	
PCB-1262	ND	0.11	1	EPA 3545A	B8D2021	04/20/2018	04/20/2018 19:59	
<i>Surrogate: TCMX [1C]</i>	<i>104 %</i>	<i>30 - 150</i>			B8D2021	04/20/2018	<i>04/20/2018 19:59</i>	
<i>Surrogate: TCMX [2C]</i>	<i>94.2 %</i>	<i>30 - 150</i>			B8D2021	04/20/2018	<i>04/20/2018 19:59</i>	
<i>Surrogate: DCB [1C]</i>	<i>70.9 %</i>	<i>30 - 150</i>			B8D2021	04/20/2018	<i>04/20/2018 19:59</i>	
<i>Surrogate: DCB [2C]</i>	<i>74.1 %</i>	<i>30 - 150</i>			B8D2021	04/20/2018	<i>04/20/2018 19:59</i>	

**Client Sample ID H**

**Lab ID: 8040678-08**

**PCBs by ASE**  
**Method: EPA 8082A**

**Analyst: PJB**  
**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	B8D2021	04/20/2018	04/20/2018 20:18	
PCB-1221	ND	0.11	1	EPA 3545A	B8D2021	04/20/2018	04/20/2018 20:18	
PCB-1232	ND	0.11	1	EPA 3545A	B8D2021	04/20/2018	04/20/2018 20:18	
PCB-1242	ND	0.11	1	EPA 3545A	B8D2021	04/20/2018	04/20/2018 20:18	
PCB-1248	ND	0.11	1	EPA 3545A	B8D2021	04/20/2018	04/20/2018 20:18	
PCB-1254	ND	0.11	1	EPA 3545A	B8D2021	04/20/2018	04/20/2018 20:18	
PCB-1260	ND	0.11	1	EPA 3545A	B8D2021	04/20/2018	04/20/2018 20:18	
PCB-1268	ND	0.11	1	EPA 3545A	B8D2021	04/20/2018	04/20/2018 20:18	
PCB-1262	ND	0.11	1	EPA 3545A	B8D2021	04/20/2018	04/20/2018 20:18	
<i>Surrogate: TCMX [1C]</i>	<i>91.1 %</i>	<i>30 - 150</i>			B8D2021	04/20/2018	<i>04/20/2018 20:18</i>	
<i>Surrogate: TCMX [2C]</i>	<i>85.5 %</i>	<i>30 - 150</i>			B8D2021	04/20/2018	<i>04/20/2018 20:18</i>	
<i>Surrogate: DCB [1C]</i>	<i>63.7 %</i>	<i>30 - 150</i>			B8D2021	04/20/2018	<i>04/20/2018 20:18</i>	
<i>Surrogate: DCB [2C]</i>	<i>65.1 %</i>	<i>30 - 150</i>			B8D2021	04/20/2018	<i>04/20/2018 20:18</i>	



CET # : 8040678  
 Project: Fairfield  
 Project Number: FF/AG YD

**Client Sample ID I**  
**Lab ID: 8040678-09**

**PCBs by ASE**  
**Method: EPA 8082A**

**Analyst: PJB**  
**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	B8D2021	04/20/2018	04/20/2018 20:38	
PCB-1221	ND	0.11	1	EPA 3545A	B8D2021	04/20/2018	04/20/2018 20:38	
PCB-1232	ND	0.11	1	EPA 3545A	B8D2021	04/20/2018	04/20/2018 20:38	
PCB-1242	ND	0.11	1	EPA 3545A	B8D2021	04/20/2018	04/20/2018 20:38	
PCB-1248	ND	0.11	1	EPA 3545A	B8D2021	04/20/2018	04/20/2018 20:38	
PCB-1254	ND	0.11	1	EPA 3545A	B8D2021	04/20/2018	04/20/2018 20:38	
PCB-1260	ND	0.11	1	EPA 3545A	B8D2021	04/20/2018	04/20/2018 20:38	
PCB-1268	ND	0.11	1	EPA 3545A	B8D2021	04/20/2018	04/20/2018 20:38	
PCB-1262	ND	0.11	1	EPA 3545A	B8D2021	04/20/2018	04/20/2018 20:38	
<i>Surrogate: TCMX [1C]</i>	<i>127 %</i>	<i>30 - 150</i>			B8D2021	04/20/2018	<i>04/20/2018 20:38</i>	
<i>Surrogate: TCMX [2C]</i>	<i>125 %</i>	<i>30 - 150</i>			B8D2021	04/20/2018	<i>04/20/2018 20:38</i>	
<i>Surrogate: DCB [1C]</i>	<i>83.5 %</i>	<i>30 - 150</i>			B8D2021	04/20/2018	<i>04/20/2018 20:38</i>	
<i>Surrogate: DCB [2C]</i>	<i>86.6 %</i>	<i>30 - 150</i>			B8D2021	04/20/2018	<i>04/20/2018 20:38</i>	

**Client Sample ID J**  
**Lab ID: 8040678-10**

**PCBs by ASE**  
**Method: EPA 8082A**

**Analyst: PJB**  
**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	B8D2021	04/20/2018	04/20/2018 20:57	
PCB-1221	ND	0.11	1	EPA 3545A	B8D2021	04/20/2018	04/20/2018 20:57	
PCB-1232	ND	0.11	1	EPA 3545A	B8D2021	04/20/2018	04/20/2018 20:57	
PCB-1242	ND	0.11	1	EPA 3545A	B8D2021	04/20/2018	04/20/2018 20:57	
PCB-1248	ND	0.11	1	EPA 3545A	B8D2021	04/20/2018	04/20/2018 20:57	
PCB-1254	ND	0.11	1	EPA 3545A	B8D2021	04/20/2018	04/20/2018 20:57	
PCB-1260	ND	0.11	1	EPA 3545A	B8D2021	04/20/2018	04/20/2018 20:57	
PCB-1268	ND	0.11	1	EPA 3545A	B8D2021	04/20/2018	04/20/2018 20:57	
PCB-1262	ND	0.11	1	EPA 3545A	B8D2021	04/20/2018	04/20/2018 20:57	
<i>Surrogate: TCMX [1C]</i>	<i>94.2 %</i>	<i>30 - 150</i>			B8D2021	04/20/2018	<i>04/20/2018 20:57</i>	
<i>Surrogate: TCMX [2C]</i>	<i>88.1 %</i>	<i>30 - 150</i>			B8D2021	04/20/2018	<i>04/20/2018 20:57</i>	
<i>Surrogate: DCB [1C]</i>	<i>60.6 %</i>	<i>30 - 150</i>			B8D2021	04/20/2018	<i>04/20/2018 20:57</i>	
<i>Surrogate: DCB [2C]</i>	<i>62.0 %</i>	<i>30 - 150</i>			B8D2021	04/20/2018	<i>04/20/2018 20:57</i>	

CET # : 8040678  
 Project: Fairfield  
 Project Number: FF/AG YD

**Client Sample ID K**

**Lab ID: 8040678-11**

**PCBs by ASE**  
**Method: EPA 8082A**

**Analyst: PJB**  
**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	B8D2021	04/20/2018	04/20/2018 21:16	
PCB-1221	ND	0.11	1	EPA 3545A	B8D2021	04/20/2018	04/20/2018 21:16	
PCB-1232	ND	0.11	1	EPA 3545A	B8D2021	04/20/2018	04/20/2018 21:16	
PCB-1242	ND	0.11	1	EPA 3545A	B8D2021	04/20/2018	04/20/2018 21:16	
PCB-1248	ND	0.11	1	EPA 3545A	B8D2021	04/20/2018	04/20/2018 21:16	
PCB-1254	ND	0.11	1	EPA 3545A	B8D2021	04/20/2018	04/20/2018 21:16	
PCB-1260	ND	0.11	1	EPA 3545A	B8D2021	04/20/2018	04/20/2018 21:16	
PCB-1268	ND	0.11	1	EPA 3545A	B8D2021	04/20/2018	04/20/2018 21:16	
PCB-1262	ND	0.11	1	EPA 3545A	B8D2021	04/20/2018	04/20/2018 21:16	
<i>Surrogate: TCMX [1C]</i>	<i>108 %</i>		<i>30 - 150</i>		B8D2021	04/20/2018	<i>04/20/2018 21:16</i>	
<i>Surrogate: TCMX [2C]</i>	<i>100 %</i>		<i>30 - 150</i>		B8D2021	04/20/2018	<i>04/20/2018 21:16</i>	
<i>Surrogate: DCB [1C]</i>	<i>63.8 %</i>		<i>30 - 150</i>		B8D2021	04/20/2018	<i>04/20/2018 21:16</i>	
<i>Surrogate: DCB [2C]</i>	<i>66.3 %</i>		<i>30 - 150</i>		B8D2021	04/20/2018	<i>04/20/2018 21:16</i>	

**Client Sample ID L**

**Lab ID: 8040678-12**

**PCBs by ASE**  
**Method: EPA 8082A**

**Analyst: PJB**  
**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	B8D2021	04/20/2018	04/20/2018 21:35	
PCB-1221	ND	0.11	1	EPA 3545A	B8D2021	04/20/2018	04/20/2018 21:35	
PCB-1232	ND	0.11	1	EPA 3545A	B8D2021	04/20/2018	04/20/2018 21:35	
PCB-1242	ND	0.11	1	EPA 3545A	B8D2021	04/20/2018	04/20/2018 21:35	
PCB-1248	ND	0.11	1	EPA 3545A	B8D2021	04/20/2018	04/20/2018 21:35	
PCB-1254	ND	0.11	1	EPA 3545A	B8D2021	04/20/2018	04/20/2018 21:35	
PCB-1260	ND	0.11	1	EPA 3545A	B8D2021	04/20/2018	04/20/2018 21:35	
PCB-1268	ND	0.11	1	EPA 3545A	B8D2021	04/20/2018	04/20/2018 21:35	
PCB-1262	ND	0.11	1	EPA 3545A	B8D2021	04/20/2018	04/20/2018 21:35	
<i>Surrogate: TCMX [1C]</i>	<i>123 %</i>		<i>30 - 150</i>		B8D2021	04/20/2018	<i>04/20/2018 21:35</i>	
<i>Surrogate: TCMX [2C]</i>	<i>112 %</i>		<i>30 - 150</i>		B8D2021	04/20/2018	<i>04/20/2018 21:35</i>	
<i>Surrogate: DCB [1C]</i>	<i>71.5 %</i>		<i>30 - 150</i>		B8D2021	04/20/2018	<i>04/20/2018 21:35</i>	
<i>Surrogate: DCB [2C]</i>	<i>73.0 %</i>		<i>30 - 150</i>		B8D2021	04/20/2018	<i>04/20/2018 21:35</i>	

CET # : 8040678  
 Project: Fairfield  
 Project Number: FF/AG YD

**Client Sample ID M**

**Lab ID: 8040678-13**

**PCBs by ASE**  
**Method: EPA 8082A**

**Analyst: PJB**  
**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	B8D2021	04/20/2018	04/20/2018 22:53	
PCB-1221	ND	0.11	1	EPA 3545A	B8D2021	04/20/2018	04/20/2018 22:53	
PCB-1232	ND	0.11	1	EPA 3545A	B8D2021	04/20/2018	04/20/2018 22:53	
PCB-1242	ND	0.11	1	EPA 3545A	B8D2021	04/20/2018	04/20/2018 22:53	
PCB-1248	ND	0.11	1	EPA 3545A	B8D2021	04/20/2018	04/20/2018 22:53	
PCB-1254	ND	0.11	1	EPA 3545A	B8D2021	04/20/2018	04/20/2018 22:53	
PCB-1260	ND	0.11	1	EPA 3545A	B8D2021	04/20/2018	04/20/2018 22:53	
PCB-1268	ND	0.11	1	EPA 3545A	B8D2021	04/20/2018	04/20/2018 22:53	
PCB-1262	ND	0.11	1	EPA 3545A	B8D2021	04/20/2018	04/20/2018 22:53	
<i>Surrogate: TCMX [1C]</i>	<i>124 %</i>		<i>30 - 150</i>		B8D2021	04/20/2018	<i>04/20/2018 22:53</i>	
<i>Surrogate: TCMX [2C]</i>	<i>115 %</i>		<i>30 - 150</i>		B8D2021	04/20/2018	<i>04/20/2018 22:53</i>	
<i>Surrogate: DCB [1C]</i>	<i>70.4 %</i>		<i>30 - 150</i>		B8D2021	04/20/2018	<i>04/20/2018 22:53</i>	
<i>Surrogate: DCB [2C]</i>	<i>71.5 %</i>		<i>30 - 150</i>		B8D2021	04/20/2018	<i>04/20/2018 22:53</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>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

## Jacqueline M. Bakos

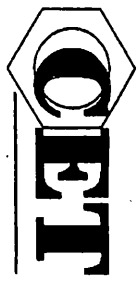
---

**From:** captain1marlowe@gmail.com on behalf of Robert Grabarek <bobg@ospreyee.com>  
**Sent:** Friday, April 20, 2018 9:28 AM  
**To:** Jacqueline M. Bakos  
**Subject:** Fairfield Dirt

CET 383 and 587 dirt samples, please run PCBs ACE

--

Robert Grabarek  
Osprey Environmental Engineering  
[Bobg@ospreyee.com](mailto:Bobg@ospreyee.com)  
860 669 8651



COMPLETE ENVIRONMENTAL TESTING, INC.

CHAIN OF CUSTODY

Volatile Soils Only:

Date and Time in Freezer

Client: CET

CET

Additional Analysis

TOTAL # OF CONT.

NOTE #

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)

Collection Date/Time

Matrix  
A=Air S=Soil M=Metalloids  
W=Water D=Dissolving  
C=Cassette  
S=Soil W=Wipe  
Other (Specify)

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  SOX  ASE
- Pesticides
- 8 RCRA
- 13 Priority Poll
- 15 CT DEP
- Total
- SPLP
- TCLP
- Dissolved
- Field Filtered
- Lab to Filter

Metals

FA1  
FA2  
FA3  
FA4  
4/9/18 11:30  
4/12/18

RECEIVED BY: [Signature]  
RECEIVED BY: [Signature]

RECEIVED BY: [Signature]  
RECEIVED BY: [Signature]

NOTES:  
Used for Friday

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=MeOH B=Bisulfate Sodium W=Water F=Vial Empty E=Encore)

RELINQUISHED BY: [Signature]  
DATE/TIME: 4/10/18  
RECEIVED BY: [Signature]  
DATE/TIME: 4/12/18

Client / Reporting Information

Company Name: [Signature]  
Address: [Signature]  
City: [Signature] State: [Signature] Zip: [Signature]  
Report To: [Signature] E-mail: [Signature]  
Phone #: [Signature] Fax #: [Signature]

Project Information

Project: [Signature] PO #: [Signature]  
Location: [Signature] Project #: [Signature]  
CET Quote #: [Signature] Collector(s): [Signature]  
QA/QC:  Std  Site Specific (MS/MSD) \*  RCP Pkg \*  DOAW \*  
Data Report:  PDF  EDD - Specify Format  
RSR Reporting Limits (check one)  GA  GB  SWP  Other  
Laboratory Certification Needed (check one)  CT  NY  RI  MA  
Temp Upon Receipt: 9 °C Evidence of Cooling:  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.

