



EXCEEDANCE SUMMARY

LEGEND

- Approximate Sample Location
- PAHs Exceed RES DEC
- PAHs Exceed RES DEC & GA PMC
- 20' x 20' Grids
- Approximate Parcel Boundary

6 GRIDS

LOCUS MAP

0 10 20
Feet
1:240

NOTES

1. Based on 2016 Statewide Orthophotography, Courtesy of CTECO.

**901 Beach Road
Fairfield, Connecticut**

September 2021

Tighe&Bond
Engineers | Environmental Specialists

901 BEACH ROAD

Summary of Soil Sample Analytical Data
Fairfield, Connecticut
Last Updated: 09/01/2021



Sample ID	CTDEEP RSR			BR 1	BR 2	BR 3	BR 4	BR DUP H	BR 5	BR 6	BR 7	BR 8	BR101	BR102	BR102D	BR103	BR104	BR105	BR106
Sample Depth				0-0.5 ft	0-1 ft	0-1 ft	0-1 ft	0-1 ft	0-1 ft	0-1 ft	0-1 ft	0-1 ft	0-1 ft	0-1 ft	0-1 ft	0-1 ft	0-1 ft	0-1 ft	0-1 ft
Sample Date	RES	REC	GB	1/7/20	1/7/20	1/7/20	1/7/20	1/7/20	1/7/20	1/7/20	1/7/20	1/7/20	8/24/21	8/24/21	8/24/21	8/24/21	8/24/21	8/24/21	8/24/21
Lab Sample ID	DEC	DEC	PMC	CE99876	CE99877	CE99878	CE99879	CE99884	CE99880	CE99881	CE99882	CE99883	CJ12772	CJ12773	CJ12774	CJ12775	CJ12776	CJ12777	CJ12778
CTETPH (mg/Kg)	500	NE	2,500	<52	<56	<52	<59	<290	<59	<310	<290	<280	-	-	-	-	-	-	-
Total Metals 6010D (mg/Kg)																			
Arsenic	10	NE	NA	1.44	0.97	2.09	3.18	3.58	2.89	5.41	5.88	3.93	-	-	-	-	-	-	-
Lead	400	NE	NA	17.30	13.10	9.24	54.00	66.90	33.50	80.90	93.80	93.90	-	-	-	-	-	-	-
PCBs 8082A (mg/Kg)																			
Total PCBs	1	NE	NA	<0.350	<0.370	<0.340	<0.390	<0.380	<0.390	<0.410	<0.380	<0.370	-	-	-	-	-	-	-
Pesticides 8081B (mg/Kg)																			
4,4-DDD	NE	NE	NE	<0.001	<0.002	<0.001	0.005	0.003	<0.003	0.009	0.012	0.006	-	-	-	-	-	-	-
4,4-DDE	NE	NE	NE	<0.001	<0.002	<0.001	0.004	0.004	0.002	0.005	0.005	0.006	-	-	-	-	-	-	-
4,4-DDT	NE	NE	NE	<0.001	<0.002	<0.001	0.008	0.010	0.004	0.010	0.009	0.008	-	-	-	-	-	-	-
Total DDT	1.8	NE	0.02	<0.001	<0.002	<0.001	0.017	0.017	0.006	0.024	0.026	0.020	-	-	-	-	-	-	-
Chlordane	0.49	NE	0.066	<0.035	<0.036	<0.035	<0.039	<0.039	<0.040	0.053	0.091	<0.037	-	-	-	-	-	-	-
SPLP Pesticides 8081B (ug/L)	Varies	NE	Varies	-	-	-	-	-	-	ND	ND	-	-	-	-	-	-	-	-
PAHs 8270D (mg/Kg)																			
Anthracene	1,000	NE	400	<0.250	<0.260	<0.240	<0.270	<0.270	<0.280	0.680	0.880	<0.260	<0.260	<0.250	<0.260	<0.250	0.320	0.310	0.420
Benzo(a)anthracene	1	40	1	<0.250	<0.260	<0.240	0.870	0.470	0.780	1.90	2.00	0.540	<0.260	0.450	0.430	<0.250	1.30	0.960	1.30
Benzo(a)pyrene	1	4	1	<0.250	<0.260	<0.240	0.830	0.590	0.890	1.90	2.10	0.710	0.430	0.640	0.530	<0.250	1.30	1.00	1.40
Benzo(b)fluoranthene	1	40	1	<0.250	<0.260	<0.240	0.730	0.540	0.790	1.70	1.60	0.610	0.300	0.610	0.530	<0.250	1.40	1.10	1.50
Benzo(g,h,i)perylene	8.4	NE	1	<0.250	<0.260	<0.240	0.520	0.430	0.540	1.10	1.20	0.510	0.630	0.610	0.660	0.370	1.10	0.810	1.20
Benzo(k)fluoranthene	8.4	40	1	<0.250	<0.260	<0.240	0.690	0.470	0.660	1.70	1.40	0.570	0.280	0.510	0.480	<0.250	1.10	0.910	1.30
Chrysene	84	525	1	<0.250	<0.260	<0.240	0.920	0.520	0.770	1.90	2.30	0.630	<0.260	0.530	0.490	<0.250	1.40	1.10	1.40
Dibenz(a,h)anthracene	1	4	1	<0.250	<0.260	<0.240	<0.270	<0.270	<0.280	0.320	0.330	<0.260	<0.260	0.320	<0.260	<0.250	<0.280	<0.270	<0.270
Fluoranthene	1,000	NE	56	<0.280	<0.260	<0.240	1.60	0.750	1.10	2.60	4.10	0.870	0.280	0.820	0.870	<0.250	2.90	2.10	2.70
Fluorene	1,000	NE	56	<0.250	<0.260	<0.240	<0.270	<0.270	<0.280	<0.280	0.570	<0.260	<0.260	<0.250	<0.260	<0.250	<0.280	<0.270	<0.270
Indeno(1,2,3-cd)pyrene	1	6	1	<0.250	<0.260	<0.240	0.570	0.440	0.560	1.20	1.20	0.510	0.710	0.620	0.690	0.340	1.20	0.820	1.10
Phenanthrene	1,000	NE	40	<0.250	<0.260	<0.240	0.970	0.270	0.320	0.810	3.50	0.370	<0.260	<0.250	0.310	<0.250	0.920	1.00	1.20
Pyrene	1,000	NE	40	<0.350	<0.300	<0.240	1.30	0.760	1.00	2.70	5.10	0.920	0.270	0.810	0.830	0.250	2.80	1.90	2.40
SPLP PAHs 8270D (ug/L)	Varies	NE	Varies	-	-	-	-	-	-	ND	ND	-	-	-	-	-	-	-	-

CTDEEP RSRs- Connecticut Department of Energy and Environmental Protection Remediation Standard Regulations (February 16, 2021)

and CTDEEP Additional Polluting Substances (September 20, 2018)

RES DEC-Residential Direct Exposure Criteria

GB PMC- Pollutant Mobility Criteria in a GA groundwater area

NE- Not established

NA- Not Applicable

CT ETPH- Connecticut Department of Public Health Extractable Total Petroleum

PAHs- Polycyclic Aromatic Hydrocarbons

PCBs- Polychlorinated Biphenyls

< xx indicates compound was not detected. Detection limit is provided.

Boxed values indicate exceedances of RES DEC

Bold Values indicate exceedances of REC DEC

Grey values indicate exceedances of GB PMC

PMC compliance was demonstrated utilizing SPLP analysis in accordance with the CTDEEP RSRs
Recreational Soil Criteria from "Evaluation of Recreational Exposures to Soil at Locations Tested as
Part of the Town of Fairfield Department of Public Works Fill Pile Investigation" dated October 10,
2019 by Connecticut Department of Public Health