



EXCEEDANCE SUMMARY

LEGEND

 Approximate Sample Location

 PAH: RES DEC Exceedance

 Approximate Parcel Boundary

No Recreational
DEC Exceedances

LOCUS MAP



N

0

10

20

Feet

1:240

NOTES

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

901 Beach Road
Fairfield, Connecticut

February 2020

Tighe&Bond

Engineers | Environmental Specialists

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901 BEACH ROAD

Summary of Soil Sample Analytical Data
Fairfield, Connecticut
Last Updated: 01/24/2020

Sample ID	CTDEEP RSR Criteria			BR 1	BR 2	BR 3	BR 4	BR DUP H	BR 5	BR 6	BR 7	BR 8
Sample Date	RES DEC	Residential DEC	GB PMC	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
Lab Sample ID				CE99876	CE99877	CE99878	CE99879	CE99884	CE99880	CE99881	CE99882	CE99883
CT ETPH (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 SW8082A (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 By SW8081B (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 SW8081B (ug/L)	Varies	NE	Varies	-	-	-	-	-	-	ND	ND	-
PAHs SW8270D (mg/Kg)												
Acenaphthylene	1,000	NE	84	<0.250	<0.260	<0.240	<0.270	<0.270	<0.280	0.890	1.100	0.320
Anthracene	1,000	NE	400	<0.250	<0.260	<0.240	<0.270	<0.270	<0.280	0.680	0.880	<0.260
Benzo(a)anthracene	1	40	1	<0.250	<0.260	<0.240	0.870	0.470	0.780	1.900	2.000	0.540
Benzo(a)pyrene	1	4	1	<0.250	<0.260	<0.240	0.830	0.590	0.890	1.900	2.100	0.710
Benzo(b)fluoranthene	1	40	1	<0.250	<0.260	<0.240	0.730	0.540	0.790	1.700	1.600	0.610
Benzo(g,h,i)perylene	8.4	NE	1	<0.250	<0.260	<0.240	0.520	0.430	0.540	1.100	1.200	0.510
Benzo(k)fluoranthene	8.4	40	1	<0.250	<0.260	<0.240	0.690	0.470	0.660	1.700	1.400	0.570
Chrysene	84	525	1	<0.250	<0.260	<0.240	0.920	0.520	0.770	1.900	2.300	0.630
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
Fluoranthene	1,000	NE	56	<0.280	<0.260	<0.240	1.600	0.750	1.100	2.600	4.100	0.870
Fluorene	1,000	NE	56	<0.250	<0.260	<0.240	<0.270	<0.270	<0.280	<0.280	0.570	<0.260
Indeno(1,2,3-cd)pyrene	1	6	1	<0.250	<0.260	<0.240	0.570	0.440	0.560	1.200	1.200	0.510
Naphthalene	1,000	NE	56	<0.250	<0.260	<0.240	<0.270	<0.270	<0.280	<0.280	<0.270	<0.260
Phenanthrene	1,000	NE	40	<0.250	<0.260	<0.240	0.970	0.270	0.320	0.810	3.500	0.370
Pyrene	1,000	NE	40	<0.350	<0.300	<0.240	1.300	0.760	1.000	2.700	5.100	0.920
SPLP PAHs SW8270D (ug/L)	Varies	NE	Varies	-	-	-	-	-	-	ND	ND	-

CTDEEP RSRs- Connecticut Department of Energy and Environmental Protection Remediation

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 Hydrocarbons

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 Residential 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