


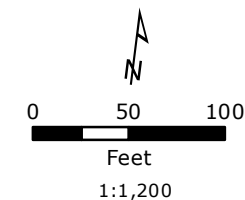


EXCEEDANCE SUMMARY

LEGEND

-  Approximate Sample Location
-  Approximate Site Parcel
-  Approximate Parcel Boundary

LOCUS MAP



NOTES

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

**Riverfield School
Playground
1625 Mill Plain Road
Fairfield, Connecticut**

September 2019

Tighe & Bond
Engineers | Environmental Specialists

RES S1		
Parameter	Concentration	Exceedance
Benz(a)anthracene	1	RES DEC/GA PMC
Benzo(a)pyrene	1	RES DEC/GA PMC
Benzo(b)fluoranthene	1	RES DEC/GA PMC
Benzo(k)fluoranthene	1	GA PMC
Chrysene	2	GA PMC
Indeno(1,2,3-cd)pyrene	1	RES DEC/GA PMC

RIVERFIELD ELEMENTARY SCHOOL PLAYGROUND

Summary of Analytical Data
Fairfield, Connecticut
Last Updated: 09/10/2019

Sample ID Sample Depth Sample Date Lab Sample ID	CT RSR Criteria		US EPA	RES S100	RES S101
	RES DEC	GA PMC		1.5-1.75 9/6/19 CD99686	1.5-1.75 9/6/19 CD99687
Asbestos PLM 198.1²					
% Amosite	NA	NA	NA	0.0%	0.0%
% Chrysotile	NA	NA	NA	0.0%	0.0%
% Other	NA	NA	NA	0.0%	0.0%
% Total Asbestos	NA	NA	1%	0.0%	0.0%
Total Metals 6010D					
Arsenic	10	NA	NA	2.25	2.92
Lead	400	NA	NA	11.9	9.57
CTETPH 8015D (mg/Kg)	500	500	NA	<57	<57
PCBs SW8082A (mg/Kg)					
PCB-1016	NE	NA	NA	<0.38	<0.37
PCB-1221	NE	NA	NA	<0.38	<0.37
PCB-1232	NE	NA	NA	<0.38	<0.37
PCB-1242	NE	NA	NA	<0.38	<0.37
PCB-1248	NE	NA	NA	<0.38	<0.37
PCB-1254	NE	NA	NA	<0.38	<0.37
PCB-1260	NE	NA	NA	<0.38	<0.37
PCB-1262	NE	NA	NA	<0.38	<0.37
PCB-1268	NE	NA	NA	<0.38	<0.37
Total PCBs	1	NA	NA	<0.38	<0.37
PAHs SW8270D (mg/Kg)					
2-Methylnaphthalene	270	0.56	NA	<0.26	<0.26
Acenaphthene	1,000	8	NA	<0.26	<0.26
Acenaphthylene	1,000	8	NA	<0.26	<0.26
Anthracene	1,000	40	NA	<0.26	<0.26
Benz(a)anthracene	1	1	NA	<0.26	<0.26
Benzo(a)pyrene	1	1	NA	<0.26	<0.26
Benzo(b)fluoranthene	1	1	NA	<0.26	<0.26
Benzo(ghi)perylene	8.4	1	NA	<0.26	<0.26
Benzo(k)fluoranthene	8.4	1	NA	<0.26	<0.26
Chrysene	84	1	NA	<0.26	<0.26
Dibenz(a,h)anthracene	1	1	NA	<0.26	<0.26
Fluoranthene	1,000	5.6	NA	<0.26	<0.26
Fluorene	1,000	5.6	NA	<0.26	<0.26
Indeno(1,2,3-cd)pyrene	1	1	NA	<0.26	<0.26
Naphthalene	1,000	5.6	NA	<0.26	<0.26
Phenanthrene	1,000	4	NA	<0.26	<0.26
Pyrene	1,000	4	NA	<0.26	<0.26
Pesticides By SW8081B (mg/Kg)					
4,4' -DDD	NE	NE	NA	<0.0015	<0.0015
4,4' -DDE	NE	NE	NA	<0.0015	<0.0015
4,4' -DDT	NE	NE	NA	<0.0015	<0.0015
Total DDT	1.8	0.003	NA	<0.0015	<0.0015
a-BHC	0.34	0.002	NA	<0.0015	<0.0015
Alachlor	7.7	0.23	NA	<0.0076	<0.0076
Aldrin	0.04	0.002	NA	<0.0015	<0.0015
b-BHC	0.34	0.002	NA	<0.0015	<0.0015
Chlordane	0.49	0.066	NA	<0.038	<0.038
d-BHC	0.34	0.002	NA	<0.0015	<0.0015
Dieldrin	0.038	0.007	NA	<0.0038	<0.0038
Endosulfan I	41	0.084	NA	<0.0076	<0.0076
Endosulfan II	41	0.084	NA	<0.0076	<0.0076
Endosulfan sulfate	41	0.084	NA	<0.0076	<0.0076
Endrin	20	0.04	NA	<0.0076	<0.0076
Endrin aldehyde	20	0.04	NA	<0.0076	<0.0076
Endrin ketone	20	0.04	NA	<0.0076	<0.0076
q-BHC	20	0.02	NA	<0.0015	<0.0015
Heptachlor	0.14	0.013	NA	<0.0076	<0.0076
Heptachlor epoxide	0.067	0.02	NA	<0.0076	<0.0076
Methoxychlor	340	0.8	NA	<0.038	<0.038
Toxaphene	0.56	0.33	NA	<0.15	<0.15

CTDEEP RSRs- Connecticut Department of Energy and Environmental Protection Remediation Standard Regulations (June 27, 2013)

US EPA - United State Environmental Protection Agency

RES DEC-Residential Direct Exposure Criteria

GA 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

Grey values indicate exceedances of GA PMC

²- Asbestos analysis of Bulk Materials via 40 CFR Part 763, Sub. E, App. E/NYS-DOH 198.1 (PLM) by Eastern Analytical Services, Inc.