



EXCEEDANCE SUMMARY

LEGEND
 Approximate Sample Location
 Approximate Site Parcel
 Approximate Parcel Boundary

LOCUS MAP



0 25 50
Feet
1:600

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

**Burr School
Playground
1960 Burr Street
Fairfield, Connecticut**

September 2019

Tighe&Bond
Engineers | Environmental Specialists

BURR SCHOOL PLAYGROUND

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

Sample ID	CT RSR Criteria		US EPA	BES S100 2.25-2.5 ft 9/4/19 CD97460	BES S101 2.25-2.5 ft 9/4/19 CD97461	BES S102 2.25-2.5 ft 9/4/19 CD97462	BES S103 1.5-2 ft 9/4/19 CD97463	BES S104 1.5-1.75 ft 9/4/19 CD97464
Sample Date	RES DEC	GA PMC						
Lab Sample ID								
Asbestos PLM 198.1²								
% Amosite	NA	NA	NA	0.0%	0.0%	0.0%	0.0%	0.0%
% Chrysotile	NA	NA	NA	0.0%	0.0%	0.0%	0.0%	0.0%
% Other	NA	NA	NA	0.0%	0.0%	0.0%	0.0%	0.0%
% Total Asbestos	NA	NA	1%	0.0%	0.0%	0.0%	0.0%	0.0%
Total Metals 6010D								
Arsenic	10	NA	NA	2.56	3.01	2.7	4.17	4.09
Lead	400	NA	NA	6.7	7.42	8.3	10.9	12.8
CTETPH 8015D (mg/Kg)	500	500	NA	<59	<58	<61	<61	<63
PCBs SW8082A (mg/Kg)								
PCB-1016	NE	NA	NA	<0.4	<0.38	<0.41	<0.41	<0.42
PCB-1221	NE	NA	NA	<0.4	<0.38	<0.41	<0.41	<0.42
PCB-1232	NE	NA	NA	<0.4	<0.38	<0.41	<0.41	<0.42
PCB-1242	NE	NA	NA	<0.4	<0.38	<0.41	<0.41	<0.42
PCB-1248	NE	NA	NA	<0.4	<0.38	<0.41	<0.41	<0.42
PCB-1254	NE	NA	NA	<0.4	<0.38	<0.41	<0.41	<0.42
PCB-1260	NE	NA	NA	<0.4	<0.38	<0.41	<0.41	<0.42
PCB-1262	NE	NA	NA	<0.4	<0.38	<0.41	<0.41	<0.42
PCB-1268	NE	NA	NA	<0.4	<0.38	<0.41	<0.41	<0.42
Total PCBs	1	NA	NA	<0.4	<0.38	<0.41	<0.41	<0.42
PAHs SW8270D (mg/Kg)								
2-Methylnaphthalene	270	0.56	NA	<0.28	<0.27	<0.29	<0.29	<0.3
Acenaphthene	1,000	8	NA	<0.28	<0.27	<0.29	<0.29	<0.3
Acenaphthylene	1,000	8	NA	<0.28	<0.27	<0.29	<0.29	<0.3
Anthracene	1,000	40	NA	<0.28	<0.27	<0.29	<0.29	<0.3
Benz(a)anthracene	1	1	NA	<0.28	<0.27	<0.29	<0.29	<0.3
Benzo(a)pyrene	1	1	NA	<0.28	<0.27	<0.29	<0.29	<0.3
Benzo(b)fluoranthene	1	1	NA	<0.28	<0.27	<0.29	<0.29	<0.3
Benzo(ghi)perylene	8.4	1	NA	<0.28	<0.27	<0.29	<0.29	<0.3
Benzo(k)fluoranthene	8.4	1	NA	<0.28	<0.27	<0.29	<0.29	<0.3
Chrysene	84	1	NA	<0.28	<0.27	<0.29	<0.29	<0.3
Dibenz(a,h)anthracene	1	1	NA	<0.28	<0.27	<0.29	<0.29	<0.3
Fluoranthene	1,000	5.6	NA	<0.28	<0.27	<0.29	<0.29	<0.3
Fluorene	1,000	5.6	NA	<0.28	<0.27	<0.29	<0.29	<0.3
Indeno(1,2,3-cd)pyrene	1	1	NA	<0.28	<0.27	<0.29	<0.29	<0.3
Naphthalene	1,000	5.6	NA	<0.28	<0.27	<0.29	<0.29	<0.3
Phenanthrene	1,000	4	NA	<0.28	<0.27	<0.29	<0.29	<0.3
Pyrene	1,000	4	NA	<0.28	<0.27	<0.29	<0.29	<0.3
Pesticides By SW8081B (mg/Kg)								
4,4' -DDD	NE	NE	NA	<0.0016	<0.0015	<0.0017	<0.0017	<0.0017
4,4' -DDE	NE	NE	NA	<0.0016	<0.0015	<0.002	<0.0017	<0.0017
4,4' -DDT	NE	NE	NA	<0.0016	<0.0015	<0.0017	<0.0017	<0.0017
Total DDT	1.8	0.003	NA	<0.0016	<0.0015	<0.002	<0.0017	<0.0017
a-BHC	0.34	0.002	NA	<0.0016	<0.0015	<0.0017	<0.0017	<0.0017
Alachlor	7.7	0.23	NA	<0.0081	<0.0077	<0.0083	<0.0083	<0.0086
Aldrin	0.04	0.002	NA	<0.0016	<0.0015	<0.0017	<0.0017	<0.0017
b-BHC	0.34	0.002	NA	<0.0016	<0.0015	<0.0017	<0.0017	<0.0017
Chlordane	0.49	0.066	NA	<0.041	<0.038	<0.041	<0.041	<0.043
d-BHC	0.34	0.002	NA	<0.0016	<0.0015	<0.0017	<0.0017	<0.0017
Dieldrin	0.038	0.007	NA	<0.0041	<0.0038	<0.0041	<0.0041	<0.0043
Endosulfan I	41	0.084	NA	<0.0081	<0.0077	<0.0083	<0.0083	<0.0086
Endosulfan II	41	0.084	NA	<0.0081	<0.0077	<0.0083	<0.0083	<0.0086
Endosulfan sulfate	41	0.084	NA	<0.0081	<0.0077	<0.0083	<0.0083	<0.0086
Endrin	20	0.04	NA	<0.0081	<0.0077	<0.0083	<0.0083	<0.0086
Endrin aldehyde	20	0.04	NA	<0.0081	<0.0077	<0.0083	<0.0083	<0.0086
Endrin ketone	20	0.04	NA	<0.0081	<0.0077	<0.0083	<0.0083	<0.0086
q-BHC	20	0.02	NA	<0.0016	<0.0015	<0.0017	<0.0017	<0.0017
Heptachlor	0.14	0.013	NA	<0.0081	<0.0077	<0.0083	<0.0083	<0.0086
Heptachlor epoxide	0.067	0.02	NA	<0.0081	<0.0077	<0.0083	<0.0083	<0.0086
Methoxychlor	340	0.8	NA	<0.041	<0.038	<0.041	<0.041	<0.043
Toxaphene	0.56	0.33	NA	<0.16	<0.15	<0.17	<0.17	<0.17

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.