



EXCEEDANCE SUMMARY

LEGEND

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

LOCUS MAP

NOTES

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

Dwight Elementary School Playground
1680 Redding Road
Fairfield, Connecticut

September 2019

Tighe&Bond
Engineers | Environmental Specialists

DWIGHT ELEMENTARY SCHOOL PLAYGROUND

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

Sample ID	CT RSR Criteria		US EPA	DES S100	DES S101	DES DUP 9-4	DES S102
Sample Depth	RES DEC	GA PMC		1.75-2 FT	1.75-2 FT	1.75-2 FT	1.5-2 FT
Sample Date				9/4/19	9/4/19	9/4/19	9/4/19
Lab Sample ID				CD98467	CD98468	CD98469	CD98470
Asbestos PLM 198.1²							
% Amosite	NA	NA	NA	0.0%	0.0%	0.0%	0.0%
% Chrysotile	NA	NA	NA	0.0%	0.0%	0.0%	0.0%
% Other	NA	NA	NA	0.0%	0.0%	0.0%	0.0%
% Total Asbestos	NA	NA	1%	0.0%	0.0%	0.0%	0.0%
Total Metals 6010D							
Arsenic	10	NA	NA	4.6	0.86	1.32	3.22
Lead	400	NA	NA	8.3	15.9	13.8	15.7
CTETPH 8015D (mg/Kg)	500	500	NA	<93	<280	<68	<62
PCBs SW8082A (mg/Kg)							
PCB-1016	NE	NA	NA	<0.61	<0.38	<0.45	<0.41
PCB-1221	NE	NA	NA	<0.61	<0.38	<0.45	<0.41
PCB-1232	NE	NA	NA	<0.61	<0.38	<0.45	<0.41
PCB-1242	NE	NA	NA	<0.61	<0.38	<0.45	<0.41
PCB-1248	NE	NA	NA	<0.61	<0.38	<0.45	<0.41
PCB-1254	NE	NA	NA	<0.61	<0.38	<0.45	<0.41
PCB-1260	NE	NA	NA	<0.61	<0.38	<0.45	<0.41
PCB-1262	NE	NA	NA	<0.61	<0.38	<0.45	<0.41
PCB-1268	NE	NA	NA	<0.61	<0.38	<0.45	<0.41
Total PCBs	1	NA	NA	<0.61	<0.38	<0.45	<0.41
PAHs SW8270D (mg/Kg)							
2-Methylnaphthalene	270	0.56	NA	<0.44	<0.27	<0.31	<0.28
Acenaphthene	1,000	8	NA	<0.44	<0.27	<0.31	<0.28
Acenaphthylene	1,000	8	NA	<0.44	<0.27	<0.31	<0.28
Anthracene	1,000	40	NA	<0.44	<0.27	<0.31	<0.28
Benz(a)anthracene	1	1	NA	<0.44	0.89	0.35	<0.28
Benzo(a)pyrene	1	1	NA	<0.44	1	0.39	<0.28
Benzo(b)fluoranthene	1	1	NA	<0.44	1.1	0.44	<0.28
Benzo(ghi)perylene	8.4	1	NA	<0.44	0.58	<0.31	<0.28
Benzo(k)fluoranthene	8.4	1	NA	<0.44	0.9	0.41	<0.28
Chrysene	84	1	NA	<0.44	1	0.44	<0.28
Dibenz(a,h)anthracene	1	1	NA	<0.44	<0.27	<0.31	<0.28
Fluoranthene	1,000	5.6	NA	<0.44	1.9	0.51	<0.28
Fluorene	1,000	5.6	NA	<0.44	<0.27	<0.31	<0.28
Indeno(1,2,3-cd)pyrene	1	1	NA	<0.44	0.63	<0.31	<0.28
Naphthalene	1,000	5.6	NA	<0.44	<0.27	<0.31	<0.28
Phenanthrene	1,000	4	NA	<0.44	0.73	<0.31	<0.28
Pyrene	1,000	4	NA	<0.44	1.5	0.47	<0.28
Pesticides By SW8081B (mg/Kg)							
4,4' -DDD	NE	NE	NA	<0.0024	<0.0015	<0.0018	<0.0016
4,4' -DDE	NE	NE	NA	<0.0024	<0.0015	<0.0018	<0.0016
4,4' -DDT	NE	NE	NA	<0.0024	<0.0015	<0.0018	<0.0016
Total DDT	1.8	0.003	NA	<0.002	<0.0015	<0.0018	<0.0016
a-BHC	0.34	0.002	NA	<0.012	<0.0075	<0.0089	<0.0081
Alachlor	7.7	0.23	NA	<0.002	<0.0015	<0.0018	<0.0016
Aldrin	0.04	0.002	NA	<0.002	<0.0015	<0.0018	<0.0016
b-BHC	0.34	0.002	NA	<0.061	<0.038	<0.045	<0.041
Chlordane	0.49	0.066	NA	<0.002	<0.0015	<0.0018	<0.0016
d-BHC	0.34	0.002	NA	<0.0061	<0.0038	<0.0045	<0.0041
Dieldrin	0.038	0.007	NA	<0.012	<0.0075	<0.0089	<0.0081
Endosulfan I	41	0.084	NA	<0.012	<0.0075	<0.0089	<0.0081
Endosulfan II	41	0.084	NA	<0.012	<0.0075	<0.0089	<0.0081
Endosulfan sulfate	41	0.084	NA	<0.012	<0.0075	<0.0089	<0.0081
Endrin	20	0.04	NA	<0.012	<0.0075	<0.0089	<0.0081
Endrin aldehyde	20	0.04	NA	<0.012	<0.0075	<0.0089	<0.0081
Endrin ketone	20	0.04	NA	<0.0024	<0.0015	<0.0018	<0.0016
q-BHC	20	0.02	NA	<0.012	<0.0075	<0.0089	<0.0081
Heptachlor	0.14	0.013	NA	<0.012	<0.0075	<0.0089	<0.0081
Heptachlor epoxide	0.067	0.02	NA	<0.061	<0.038	<0.045	<0.041
Methoxychlor	340	0.8	NA	<0.24	<0.15	<0.18	<0.16
Toxaphene	0.56	0.33	NA	<0.16	<0.15	<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.