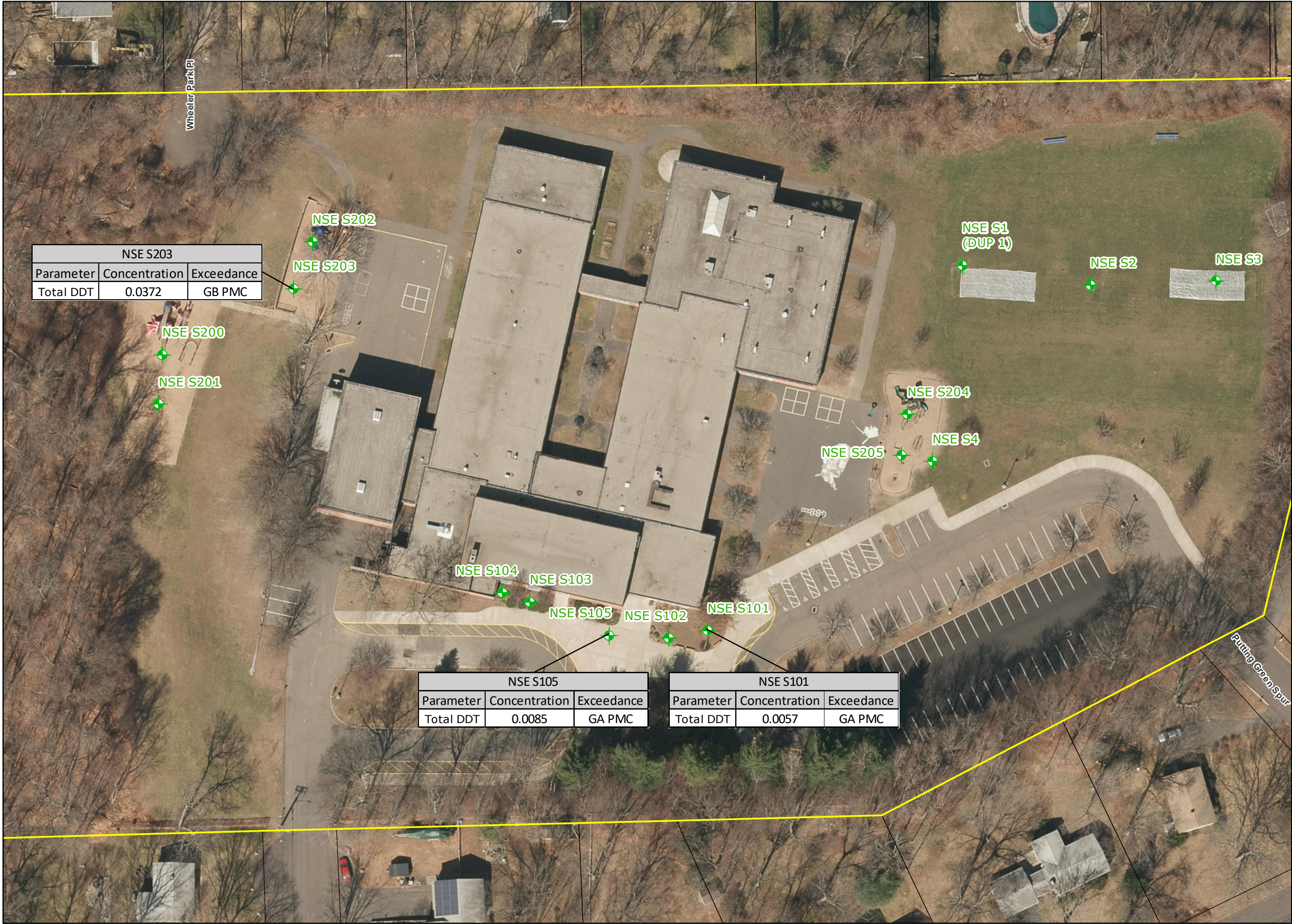




NSE S203		
Parameter	Concentration	Exceedance
Total DDT	0.0372	GB PMC

NSE S105		
Parameter	Concentration	Exceedance
Total DDT	0.0085	GA PMC

NSE S101		
Parameter	Concentration	Exceedance
Total DDT	0.0057	GA PMC

EXCEEDANCE SUMMARY

LEGEND

Approximate Sample Location

Approximate Site Parcel

Approximate Parcel Boundary

LOCUS MAP

NOTES

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

North Stratfield Elementary Playground
190 Putting Green Road
Fairfield, Connecticut

September 2019

Tighe&Bond
Engineers | Environmental Specialists

NORTH STRATFIELD ELEMENTARY SCHOOL PLAYGROUND

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

Sample ID	CT RSR Criteria		US EPA	NSE S200	NSE S201	NSE S202	NSE S203	NSE S204	NSE S205
Sample Depth				1.5-1.75 FT	1-1.25 FT	1.5-1.75 FT	1.5-1.75 FT	1.75-2 FT	1.75-2 FT
Sample Date				9/5/19	9/5/19	9/5/19	9/5/19	9/5/19	9/5/19
Lab Sample ID	RES DEC	GB PMC		CD98480	CD98481	CD98482	CD98483	CD98484	CD98485
Asbestos PLM 198.1²									
% Amosite	NA	NA	NA	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
% Chrysotile	NA	NA	NA	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
% Other	NA	NA	NA	0.0%	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%	0.0%
Total Metals 6010D									
Arsenic	10	NA	NA	4.37	5.2	5.23	5.07	2.66	2.71
Lead	400	NA	NA	11.9	12.9	22.5	27.7	16.6	13.1
CTETPH 8015D (mg/Kg)	500	2500	NA	<67	<68	<310	<280	<65	<63
PCBs SW8082A (mg/Kg)									
PCB-1016	NE	NA	NA	<0.45	<0.44	<0.41	<0.37	<0.42	<0.41
PCB-1221	NE	NA	NA	<0.45	<0.44	<0.41	<0.37	<0.42	<0.41
PCB-1232	NE	NA	NA	<0.45	<0.44	<0.41	<0.37	<0.42	<0.41
PCB-1242	NE	NA	NA	<0.45	<0.44	<0.41	<0.37	<0.42	<0.41
PCB-1248	NE	NA	NA	<0.45	<0.44	<0.41	<0.37	<0.42	<0.41
PCB-1254	NE	NA	NA	<0.45	<0.44	<0.41	<0.37	<0.42	<0.41
PCB-1260	NE	NA	NA	<0.45	<0.44	<0.41	<0.37	<0.42	<0.41
PCB-1262	NE	NA	NA	<0.45	<0.44	<0.41	<0.37	<0.42	<0.41
PCB-1268	NE	NA	NA	<0.45	<0.44	<0.41	<0.37	<0.42	<0.41
Total PCBs	1	NA	NA	<0.45	<0.44	<0.41	<0.37	<0.42	<0.41
PAHs SW8270D (mg/Kg)									
2-Methylnaphthalene	270	5.6	NA	<0.31	<0.31	<0.29	<0.26	<0.3	<0.29
Acenaphthene	1,000	84	NA	<0.31	<0.31	<0.29	<0.26	<0.3	<0.29
Acenaphthylene	1,000	84	NA	<0.31	<0.31	<0.29	<0.26	<0.3	<0.29
Anthracene	1,000	400	NA	<0.31	<0.31	<0.29	<0.26	<0.3	<0.29
Benz(a)anthracene	1	1	NA	<0.31	<0.31	0.29	0.68	0.4	<0.29
Benzo(a)pyrene	1	1	NA	<0.31	<0.31	0.33	0.71	0.43	<0.29
Benzo(b)fluoranthene	1	1	NA	<0.31	<0.31	0.32	0.78	0.4	<0.29
Benzo(ghi)perylene	8.4	1	NA	<0.31	<0.31	<0.29	0.37	<0.3	<0.29
Benzo(k)fluoranthene	8.4	1	NA	<0.31	<0.31	0.34	0.71	0.38	<0.29
Chrysene	84	1	NA	<0.31	<0.31	0.36	0.82	0.42	<0.29
Dibenz(a,h)anthracene	1	1	NA	<0.31	<0.31	<0.29	<0.26	<0.3	<0.29
Fluoranthene	1,000	56.0	NA	<0.31	<0.31	0.53	1.2	0.67	0.34
Fluorene	1,000	56.0	NA	<0.31	<0.31	<0.29	<0.26	<0.3	<0.29
Indeno(1,2,3-cd)pyrene	1	1	NA	<0.31	<0.31	<0.29	0.44	0.34	<0.29
Naphthalene	1,000	56.0	NA	<0.31	<0.31	<0.29	<0.26	<0.3	<0.29
Phenanthrene	1,000	40	NA	<0.31	<0.31	<0.29	0.54	<0.3	<0.29
Pyrene	1,000	40	NA	<0.31	<0.31	0.5	1.1	0.63	0.29
Pesticides By SW8081B (mg/Kg)									
4,4' -DDD	NE	NE	NA	<0.0018	<0.0018	<0.0016	0.003	<0.0015	<0.0016
4,4' -DDE	NE	NE	NA	<0.0018	<0.0018	0.0037	0.0082	<0.0015	<0.0016
4,4' -DDT	NE	NE	NA	<0.0018	<0.0018	<0.0016	0.026	0.0031	<0.0016
Total DDT	1.8	0.02	NA	<0.0018	<0.0018	0.0037	0.0372	0.0031	<0.0016
a-BHC	0.34	0.01	NA	<0.009	<0.0089	<0.0081	<0.0015	<0.0017	<0.0016
Alachlor	7.7	0.4	NA	<0.0018	<0.0018	<0.0016	<0.0075	<0.0086	<0.0081
Aldrin	0.04	0.01	NA	<0.0018	<0.0018	<0.0016	<0.0015	<0.0017	<0.0016
b-BHC	0.34	0.01	NA	<0.045	<0.044	<0.05	<0.0015	<0.0017	<0.0016
Chlordane	0.49	0.066	NA	<0.0018	<0.0018	<0.0016	0.059	<0.043	<0.040
d-BHC	0.34	0.01	NA	<0.0045	<0.0044	<0.0041	<0.0015	<0.0017	<0.0016
Dieldrin	0.038	0.007	NA	<0.009	<0.0089	<0.0081	<0.0038	<0.0043	<0.0040
Endosulfan I	41	0.84	NA	<0.009	<0.0089	<0.0081	<0.0075	<0.0086	<0.0081
Endosulfan II	41	0.84	NA	<0.009	<0.0089	<0.0081	<0.0075	<0.0086	<0.0081
Endosulfan sulfate	41	0.84	NA	<0.009	<0.0089	<0.0081	<0.0075	<0.0086	<0.0081
Endrin	20	0.4	NA	<0.009	<0.0089	<0.0081	<0.0075	<0.0086	<0.0081
Endrin aldehyde	20	0.4	NA	<0.009	<0.0089	<0.0081	<0.0075	<0.0086	<0.0081
Endrin ketone	20	0.4	NA	<0.009	<0.0089	<0.0081	<0.0075	<0.0086	<0.0081
q-BHC	20	0.04	NA	<0.0018	<0.0018	<0.0016	<0.0015	<0.0017	<0.0016
Heptachlor	0.14	0.013	NA	<0.009	<0.0089	<0.0081	<0.0075	<0.0086	<0.0081
Heptachlor epoxide	0.067	0.02	NA	<0.009	<0.0089	<0.0081	<0.0075	<0.0086	<0.0081
Methoxychlor	340	8	NA	<0.045	<0.044	<0.041	<0.038	<0.043	<0.040
Toxaphene	0.56	0.6	NA	<0.18	<0.18	<0.16	<0.15	<0.17	<0.16

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

GB PMC- Pollutant Mobility Criteria in a GB 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 GB 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.