



NSE S105		
Parameter	Concentration	Exceedance
Total DDT	0.0085	GA PMC

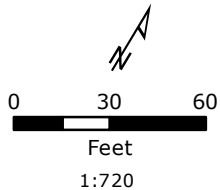
NSE S101		
Parameter	Concentration	Exceedance
Total DDT	0.0057	GA PMC

EXCEEDANCE SUMMARY

LEGEND

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

LOCUS MAP



NOTES

- Based on 2016 Statewide Orthophotography, Courtesy of CTECO.

North Stratfield Elementary
190 Putting Green Road
Fairfield, Connecticut

September 2019

Tighe&Bond
Engineers | Environmental Specialists

NORTH STRATFORD ELEMENTARY SCHOOL

Summary of Soil Sample Analytical Data

Fairfield, Connecticut

Last Updated: 09/09/2019

Sample ID	CT RSR Criteria		US EPA	NSE-S-101	NSE-S-102	NSE-S-103	NSE-S-104	NSE-S-105
Sample Date	RES DEC	GA PMC		8/28/19	8/28/19	8/28/19	8/28/19	8/28/19
Lab Sample ID				CD93945	CD93946	CD93947	CD93948	CD93949
Asbestos in Material by PLM¹	NA	NA	1%	-	-	-	-	-
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	4.32	3.76	7.7	4.35	3.51
Lead	400	NA	NA	32.6	18.6	31.5	47.8	42.9
CTETPH 8015D (mg/Kg)	500	500	NA	140	83	<55	<58	<52
PCBs SW8082A (mg/Kg)								
PCB-1016	NE	NA	NA	<0.39	<0.36	<0.37	<0.38	<0.34
PCB-1221	NE	NA	NA	<0.39	<0.36	<0.37	<0.38	<0.34
PCB-1232	NE	NA	NA	<0.39	<0.36	<0.37	<0.38	<0.34
PCB-1242	NE	NA	NA	<0.39	<0.36	<0.37	<0.38	<0.34
PCB-1248	NE	NA	NA	<0.39	<0.36	<0.37	<0.38	<0.34
PCB-1254	NE	NA	NA	<0.39	<0.36	<0.37	<0.38	<0.34
PCB-1260	NE	NA	NA	<0.39	<0.36	<0.37	<0.38	<0.34
PCB-1262	NE	NA	NA	<0.39	<0.36	<0.37	<0.38	<0.34
PCB-1268	NE	NA	NA	<0.39	<0.36	<0.37	<0.38	<0.34
Total PCBs	1	NA	NA	<0.39	<0.36	<0.37	<0.38	<0.34
PAHs SW8270D (mg/Kg)								
2-Methylnaphthalene	270	0.56	NA	<0.27	<0.26	<0.26	<0.27	<0.25
Acenaphthene	1,000	8	NA	<0.27	<0.26	<0.26	<0.27	<0.25
Acenaphthylene	1,000	8	NA	<0.27	<0.26	<0.26	<0.27	<0.25
Anthracene	1,000	40	NA	<0.27	<0.26	<0.26	<0.27	<0.25
Benzo(a)anthracene	1	1	NA	<0.27	<0.26	<0.26	0.31	0.28
Benzo(a)pyrene	1	1	NA	<0.27	<0.26	<0.26	0.4	0.36
Benzo(b)fluoranthene	1	1	NA	0.28	<0.26	<0.26	0.42	0.35
Benzo(ghi)perylene	8.4	1	NA	<0.27	<0.26	<0.26	0.28	0.26
Benzo(k)fluoranthene	8.4	1	NA	<0.27	<0.26	<0.26	0.39	0.33
Chrysene	84	1	NA	<0.27	<0.26	<0.26	0.4	0.34
Dibenz(a,h)anthracene	1	1	NA	<0.27	<0.26	<0.26	<0.27	<0.25
Fluoranthene	1,000	5.6	NA	0.34	0.26	<0.26	0.77	0.6
Fluorene	1,000	5.6	NA	<0.27	<0.26	<0.26	<0.27	<0.25
Indeno(1,2,3-cd)pyrene	1	1	NA	<0.27	<0.26	<0.26	0.32	0.29
Naphthalene	1,000	5.6	NA	<0.27	<0.26	<0.26	<0.27	<0.25
Phenanthrene	1,000	4	NA	<0.27	<0.26	<0.26	0.28	<0.25
Pyrene	1,000	4	NA	0.29	<0.26	<0.26	0.68	0.58
Pesticides By SW8081B (mg/Kg)								
4,4' -DDD	NE	NE	NA	<0.0015	<0.0015	<0.0015	<0.0016	<0.0014
4,4' -DDE	NE	NE	NA	0.0031	<0.0015	<0.0015	0.0024	0.0031
4,4' -DDT	NE	NE	NA	0.0026	<0.0015	<0.0015	<0.003	0.0054
Total DDT	1.8	0.003	NA	0.0057	<0.0015	<0.0015	0.0024	0.0085
a-BHC	0.34	0.002	NA	<0.0015	<0.0015	<0.0015	<0.0016	<0.0014
Alachlor	7.7	0.23	NA	<0.0077	<0.0073	<0.0075	<0.0078	<0.007
Aldrin	0.04	0.002	NA	<0.0015	<0.0015	<0.0015	<0.0016	<0.0014
b-BHC	0.34	0.002	NA	<0.0015	<0.0015	<0.0015	<0.002	<0.0014
Chlordane	0.49	0.066	NA	<0.039	<0.037	<0.037	<0.039	<0.035
d-BHC	0.34	0.002	NA	<0.0015	<0.0015	<0.0015	<0.0016	<0.0014
Dieldrin	0.038	0.007	NA	<0.0039	<0.0037	<0.0037	<0.0039	<0.0035
Endosulfan I	41	0.084	NA	<0.0077	<0.0073	<0.0075	<0.0078	<0.007
Endosulfan II	41	0.084	NA	<0.0077	<0.0073	<0.0075	<0.0078	<0.007
Endosulfan sulfate	41	0.084	NA	<0.0077	<0.0073	<0.0075	<0.0078	<0.007
Endrin	20	0.04	NA	<0.0077	<0.0073	<0.0075	<0.0078	<0.007
Endrin aldehyde	20	0.04	NA	<0.0077	<0.0073	<0.0075	<0.0078	<0.007
Endrin ketone	20	0.04	NA	<0.0077	<0.0073	<0.0075	<0.0078	<0.007
q-BHC	20	0.02	NA	<0.0015	<0.0015	<0.0015	<0.0016	<0.0014
Heptachlor	0.14	0.013	NA	<0.0077	<0.0073	<0.0075	<0.0078	<0.007
Heptachlor epoxide	0.067	0.02	NA	<0.0077	<0.0073	<0.0075	<0.0078	<0.007
Methoxychlor	340	0.8	NA	<0.039	<0.037	<0.037	<0.039	<0.035
Toxaphene	0.56	0.33	NA	<0.15	<0.15	<0.15	<0.16	<0.14

CTDEP 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

ND - None Detected

¹- Asbestos analysis of Bulk Materials via EPA 600/R-93/116 Method Using Polarized Light Microscopy at EMSL Analytical, Inc.

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.

Samples NSE-S-101 and NSE-S-105 were submitted to the laboratory for Synthetic Precipitation Leaching Procedure (SPLP) analysis for pesticides; results are pending.