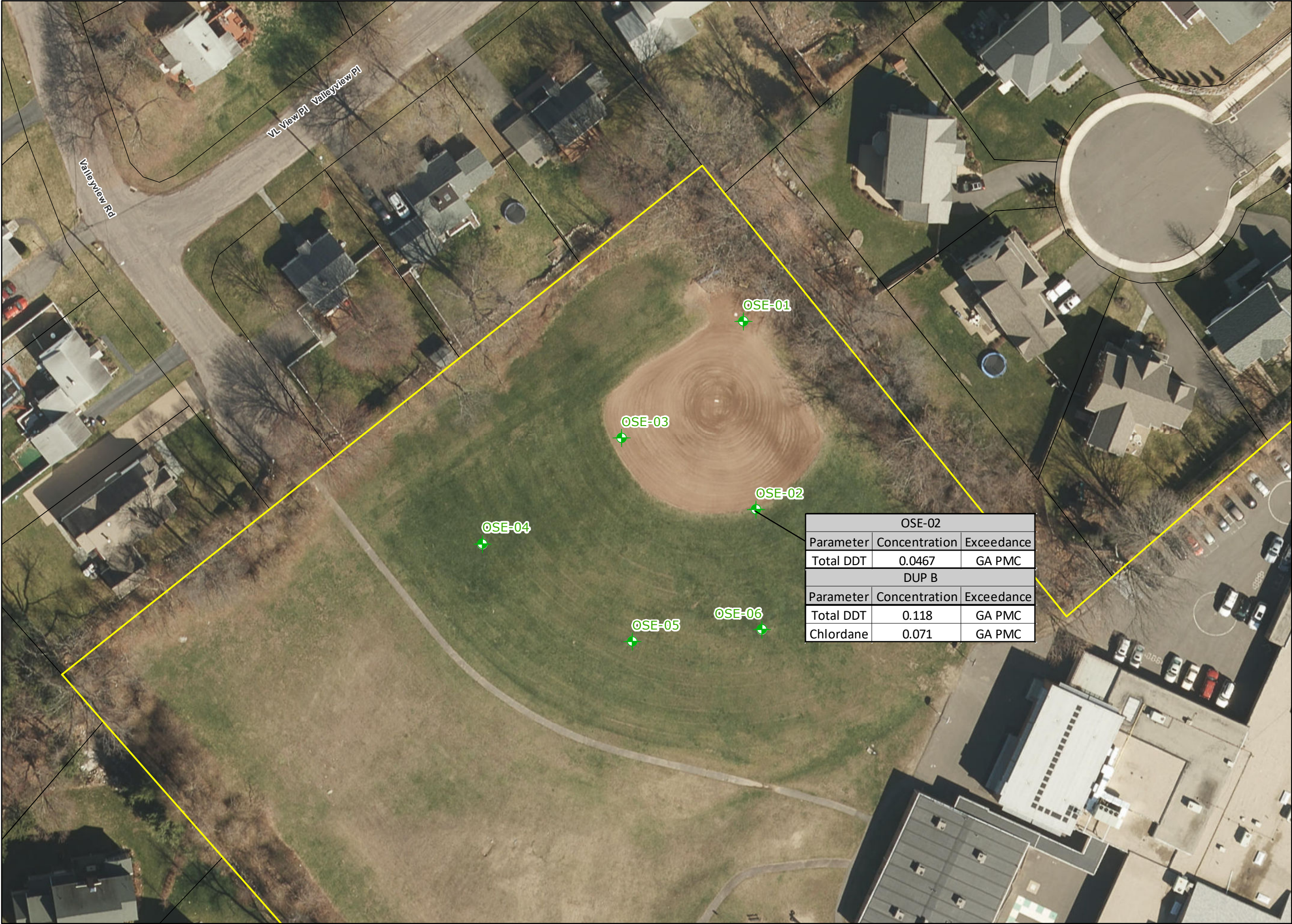




EXCEEDANCE SUMMARY

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.

**Osborn Hill
Elementary School
760 Stillson Road
Fairfield, Connecticut**

September 2019

Tighe&Bond
Engineers | Environmental Specialists

OSBORN HILL ELEMENTARY SCHOOL

Summary of Soil Sample Analytical Data

Fairfield, Connecticut

Last Updated:09/09/2019

Sample ID	CT RSR Criteria		US EPA	OHE-S1	OHE-S2	Dup B	OHE-S3	OHE-S4	OHE-S5	OHE-S6
Sample Depth	RES DEC	GA PMC		0-0.5 ft	0-0.5 ft	0-0.5 ft	0-0.5 ft	0-0.5 ft	0-0.5 ft	0-0.5 ft
Sample Date				8/27/19	8/27/19	8/27/19	8/27/19	8/27/19	8/27/19	8/27/19
Lab Sample ID				CD93427	CD93428	CD93433	CD93429	CD93430	CD93431	CD93432
Asbestos PLM 198.1²										
% Amosite	NA	NA	NA	0.0%	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%	0.0%
% Other	NA	NA	NA	0.0%	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%	0.0%
Total Metals 6010D										
Arsenic	10	NA	NA	2.46	3.43	4.05	2.66	5.59	5.01	4.54
Lead	400	NA	NA	9.41	23.1	25	8.36	49.6	29.6	28.1
CTETPH 8015D (mg/Kg)	500	500	NA	<51	<53	<53	<53	<57	<57	<58
PCBs SW8082A (mg/Kg)										
PCB-1016	NE	NA	NA	<0.34	<0.35	<0.35	<0.35	<0.37	<0.39	<0.38
PCB-1221	NE	NA	NA	<0.34	<0.35	<0.35	<0.35	<0.37	<0.39	<0.38
PCB-1232	NE	NA	NA	<0.34	<0.35	<0.35	<0.35	<0.37	<0.39	<0.38
PCB-1242	NE	NA	NA	<0.34	<0.35	<0.35	<0.35	<0.37	<0.39	<0.38
PCB-1248	NE	NA	NA	<0.34	<0.35	<0.35	<0.35	<0.37	<0.39	<0.38
PCB-1254	NE	NA	NA	<0.34	<0.35	<0.35	<0.35	<0.37	<0.39	<0.38
PCB-1260	NE	NA	NA	<0.34	<0.35	<0.35	<0.35	<0.37	<0.39	<0.38
PCB-1262	NE	NA	NA	<0.34	<0.35	<0.35	<0.35	<0.37	<0.39	<0.38
PCB-1268	NE	NA	NA	<0.34	<0.35	<0.35	<0.35	<0.37	<0.39	<0.38
Total PCBs	1	NA	NA	<0.34	<0.35	<0.35	<0.35	<0.37	<0.39	<0.38
PAHs SW8270D (mg/Kg)										
2-Methylnaphthalene	270	0.56	NA	<0.24	<0.25	<0.25	<0.24	<0.27	<0.27	<0.27
Acenaphthene	1,000	8	NA	<0.24	<0.25	<0.25	<0.24	<0.27	<0.27	<0.27
Acenaphthylene	1,000	8	NA	<0.24	<0.25	<0.25	<0.24	<0.27	<0.27	<0.27
Anthracene	1,000	40	NA	<0.24	<0.25	<0.25	<0.24	<0.27	<0.27	<0.27
Benz(a)anthracene	1	1	NA	<0.24	<0.25	<0.25	<0.24	<0.27	<0.27	<0.27
Benzo(a)pyrene	1	1	NA	<0.24	<0.25	<0.25	<0.24	<0.27	<0.27	<0.27
Benzo(b)fluoranthene	1	1	NA	<0.24	<0.25	<0.25	<0.24	<0.27	<0.27	<0.27
Benzo(ghi)perylene	8.4	1	NA	<0.24	<0.25	<0.25	<0.24	<0.27	<0.27	<0.27
Benzo(k)fluoranthene	8.4	1	NA	<0.24	<0.25	<0.25	<0.24	<0.27	<0.27	<0.27
Chrysene	84	1	NA	<0.24	<0.25	<0.25	<0.24	<0.27	<0.27	<0.27
Dibenz(a,h)anthracene	1	1	NA	<0.24	<0.25	<0.25	<0.24	<0.27	<0.27	<0.27
Fluoranthene	1,000	5.6	NA	<0.24	0.28	<0.25	<0.24	<0.27	<0.27	<0.27
Fluorene	1,000	5.6	NA	<0.24	<0.25	<0.25	<0.24	<0.27	<0.27	<0.27
Indeno(1,2,3-cd)pyrene	1	1	NA	<0.24	<0.25	<0.25	<0.24	<0.27	<0.27	<0.27
Naphthalene	1,000	5.6	NA	<0.24	<0.25	<0.25	<0.24	<0.27	<0.27	<0.27
Phenanthrene	1,000	4	NA	<0.24	<0.25	<0.25	<0.24	<0.27	<0.27	<0.27
Pyrene	1,000	4	NA	<0.24	0.26	<0.25	<0.24	<0.27	<0.27	<0.27
Pesticides By SW8081B (mg/Kg)										
4,4' -DDD	NE	NE	NA	<0.0013	0.013	0.019	<0.0014	<0.0015	<0.0015	<0.0015
4,4' -DDE	NE	NE	NA	<0.0013	0.0087	0.011	<0.0014	<0.0015	<0.0015	<0.0015
4,4' -DDT	NE	NE	NA	<0.0013	0.025	0.088	<0.0014	<0.0015	<0.0015	<0.0015
Total DDT	1.8	0.003	NA	<0.0013	0.0467	0.118	<0.0014	<0.0015	<0.0015	<0.0015
a-BHC	0.34	0.002	NA	<0.0013	<0.0014	<0.0014	<0.0014	<0.0015	<0.0015	<0.0015
Alachlor	7.7	0.23	NA	<0.0067	<0.007	<0.0071	<0.007	<0.0076	<0.0076	<0.0076
Aldrin	0.04	0.002	NA	<0.0013	<0.0014	<0.0014	<0.0014	<0.0015	<0.0015	<0.0015
b-BHC	0.34	0.002	NA	<0.0013	<0.0014	<0.0014	<0.0014	<0.0015	<0.0015	<0.0015
Chlordane	0.49	0.066	NA	<0.033	0.056	0.071	<0.035	<0.038	<0.038	<0.038
d-BHC	0.34	0.002	NA	<0.0013	<0.0014	<0.0014	<0.0014	<0.0015	<0.0015	<0.0015
Dieldrin	0.038	0.007	NA	<0.0033	<0.0035	<0.0035	<0.0035	<0.0038	<0.0038	<0.0038
Endosulfan I	41	0.084	NA	<0.0067	<0.007	<0.0071	<0.007	<0.0076	<0.0076	<0.0076
Endosulfan II	41	0.084	NA	<0.0067	<0.007	<0.0071	<0.007	<0.0076	<0.0076	<0.0076
Endosulfan sulfate	41	0.084	NA	<0.0067	<0.007	<0.0071	<0.007	<0.0076	<0.0076	<0.0076
Endrin	20	0.04	NA	<0.0067	<0.007	<0.0071	<0.007	<0.0076	<0.0076	<0.0076
Endrin aldehyde	20	0.04	NA	<0.0067	<0.007	<0.0071	<0.007	<0.0076	<0.0076	<0.0076
Endrin ketone	20	0.04	NA	<0.0067	<0.007	<0.0071	<0.007	<0.0076	<0.0076	<0.0076
g-BHC	20	0.02	NA	<0.0013	<0.0014	<0.0014	<0.0014	<0.0015	<0.0015	<0.0015
Heptachlor	0.14	0.013	NA	<0.0067	<0.007	<0.0071	<0.007	<0.0076	<0.0076	<0.0076
Heptachlor epoxide	0.067	0.02	NA	<0.0067	<0.007	<0.0071	<0.007	<0.0076	<0.0076	<0.0076
Methoxychlor	340	0.8	NA	<0.033	<0.035	<0.035	<0.035	<0.038	<0.038	<0.038
Toxaphene	0.56	0.33	NA	<0.13	<0.14	<0.14	<0.14	<0.15	<0.15	<0.15

CTDEEP RSRs- Connecticut Department of Energy and

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

PAHs- Polycyclic Aromatic Hydrocarbons

PCBs- Polychlorinated Biphenyls

< xx indicates compound was not detected. Detection limit is

Boxed values indicate exceedances of RES DEC

Grey vaules indicate exceedances of GA PMC

ND- None Detected

²- Asbestos analysis of Bulk Materials via 40 CFR Part 763, Sub. E,

Samples OHE-S2 and Dup-B were submitted to the laboratory for Synthetic Precipitation Leaching Procedure (SPLP) analysis for pesticides; results are pending.