


LHS S101		
Parameter	Concentration	Exceedance
Benz(a)anthracene	1.4	RES DEC/GA PMC
Benzo(a)pyrene	1.2	RES DEC/GA PMC
Benzo(b)fluoranthene	1.2	RES DEC/GA PMC
Chrysene	1.4	GA PMC

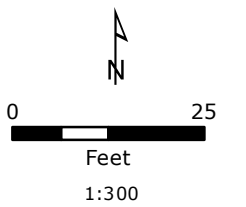
LHS S100		
Parameter	Concentration	Exceedance
CTETPH 8015D	1,100	RES DEC/GA PMC
Chrysene	1.2	GA PMC
Total DDT	0.075	GA PMC

**EXCEEDANCE SUMMARY**

**LEGEND**

 Approximate Sample Location

**LOCUS MAP**



**NOTES**

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

**Roger Ludlowe High School Courtyard**  
**785 Unquowa Road**  
**Fairfield, Connecticut**

September 2019

**Tighe & Bond**  
 Engineers | Environmental Specialists



**LUDLOWE HIGH SCHOOL COURTYARD**

Summary of Soil Sample Analytical Data  
Fairfield, Connecticut  
Last Updated: 9/11/2019

Sample ID	CT RSR Criteria		US EPA	LHS-S100	LHS-S101	PACM-LHS-101A	PACM-LHS-101B	LHS-S102
	RES DEC	GA PMC		0-1 ft 9/6/19	0-1 ft 9/6/19	Concrete 9/6/19	Brick 9/6/19	0-1 ft 9/6/19
Sample Depth				CD99695	CD99696	-0001	-0002	CD99697
Lab Sample ID								
<b>Asbestos in Material by PLM'</b>	NA	NA	1%	-	-	ND	ND	-
<b>Asbestos PLM 198.1<sup>2</sup></b>								
% Amosite	NA	NA	NA	0.0%	0.0%	-	-	0.0%
% Chrysotile	NA	NA	NA	0.0%	0.0%	-	-	0.0%
% Other	NA	NA	NA	0.0%	0.0%	-	-	0.0%
% Total Asbestos	NA	NA	1%	0.0%	0.0%	-	-	0.0%
				0.0%	0.0%	-	-	0.0%
<b>Total Metals 6010D</b>								
Arsenic	10	NA	NA	5.23	3.71	-	-	4.55
Lead	400	NA	NA	56.8	29.2	-	-	70.8
<b>CTETPH 8015D (mg/Kg)</b>	500	500	NA	1,100	<55	-	-	<59
<b>PCBs SW8082A (mg/Kg)</b>								
PCB-1016	NE	NA	NA	<0.420	<0.370	-	-	<0.390
PCB-1221	NE	NA	NA	<0.420	<0.370	-	-	<0.390
PCB-1232	NE	NA	NA	<0.420	<0.370	-	-	<0.390
PCB-1242	NE	NA	NA	<0.420	<0.370	-	-	<0.390
PCB-1248	NE	NA	NA	<0.420	<0.370	-	-	<0.390
PCB-1254	NE	NA	NA	<0.420	<0.370	-	-	<0.390
PCB-1260	NE	NA	NA	<0.420	<0.370	-	-	<0.390
PCB-1262	NE	NA	NA	<0.420	<0.370	-	-	<0.390
PCB-1268	NE	NA	NA	<0.420	<0.370	-	-	<0.390
Total PCBs	1	NA	NA	<0.420	<0.370	-	-	<0.390
<b>PAHs SW8270D (mg/Kg)</b>								
2-Methylnaphthalene	270	0.56	NA	<0.29	<0.26	-	-	<0.27
Acenaphthene	1,000	8	NA	<0.29	0.44	-	-	<0.28
Acenaphthylene	1,000	8	NA	<0.29	<0.26	-	-	<0.29
Anthracene	1,000	40	NA	<0.29	0.53	-	-	<0.30
Benz(a)anthracene	1	1	NA	0.97	1.4	-	-	0.34
Benzo(a)pyrene	1	1	NA	0.94	1.2	-	-	0.32
Benzo(b)fluoranthene	1	1	NA	0.97	1.2	-	-	0.32
Benzo(ghi)perylene	8.4	1	NA	0.61	0.79	-	-	<0.34
Benzo(k)fluoranthene	8.4	1	NA	0.78	0.98	-	-	0.29
Chrysene	84	1	NA	1.2	1.4	-	-	0.37
Dibenz(a,h)anthracene	1	1	NA	<0.29	<0.26	-	-	<0.37
Fluoranthene	1,000	5.6	NA	2.8	3.4	-	-	0.63
Fluorene	1,000	5.6	NA	<0.29	0.29	-	-	<0.39
Indeno(1,2,3-cd)pyrene	1	1	NA	0.71	0.9	-	-	<0.40
Naphthalene	1,000	5.6	NA	<0.29	<0.26	-	-	<0.41
Phenanthrene	1,000	4	NA	2.3	3.1	-	-	<0.42
Pyrene	1,000	4	NA	2.2	2.7	-	-	0.53
<b>Pesticides By SW8081B (mg/Kg)</b>								
4,4' -DDD	NE	NE	NA	1.7	1.5	-	-	1.5
4,4' -DDE	NE	NE	NA	1.7	1.5	-	-	1.5
4,4' -DDT	NE	NE	NA	0.075	1.5	-	-	0.0028
Total DDT	1.8	0.003	NA	0.075	1.5	-	-	0.0028
a-BHC	0.34	0.002	NA	1.7	1.5	-	-	1.5
Alachlor	7.7	0.23	NA	8.3	7.4	-	-	7.4
Aldrin	0.04	0.002	NA	1.7	1.5	-	-	1.5
b-BHC	0.34	0.002	NA	1.7	1.5	-	-	1.5
Chlordane	0.49	0.066	NA	42	37	-	-	37
d-BHC	0.34	0.002	NA	1.7	1.5	-	-	1.5
Dieldrin	0.038	0.007	NA	4.2	3.7	-	-	3.7
Endosulfan I	41	0.084	NA	8.3	7.4	-	-	7.4
Endosulfan II	41	0.084	NA	8.3	7.4	-	-	7.4
Endosulfan sulfate	41	0.084	NA	8.3	7.4	-	-	7.4
Endrin	20	0.04	NA	8.3	7.4	-	-	7.4
Endrin aldehyde	20	0.04	NA	8.3	7.4	-	-	7.4
Endrin ketone	20	0.04	NA	8.3	7.4	-	-	7.4
q-BHC	20	0.02	NA	1.7	1.5	-	-	1.5
Heptachlor	0.14	0.013	NA	8.3	7.4	-	-	7.4
Heptachlor epoxide	0.067	0.02	NA	8.3	7.4	-	-	7.4
Methoxychlor	340	0.8	NA	42	37	-	-	37
Toxaphene	0.56	0.33	NA	170	150	-	-	150

CTDEEP RSRs- Connecticut Department of Energy and Environmental

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

Gray values indicate exceedances of GA PMC

ND- None Detected

PACM- Potential Asbestos Containing Material

1- Asbestos analysis of Bulk Materials via EPA 600/R-93/116 Method

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