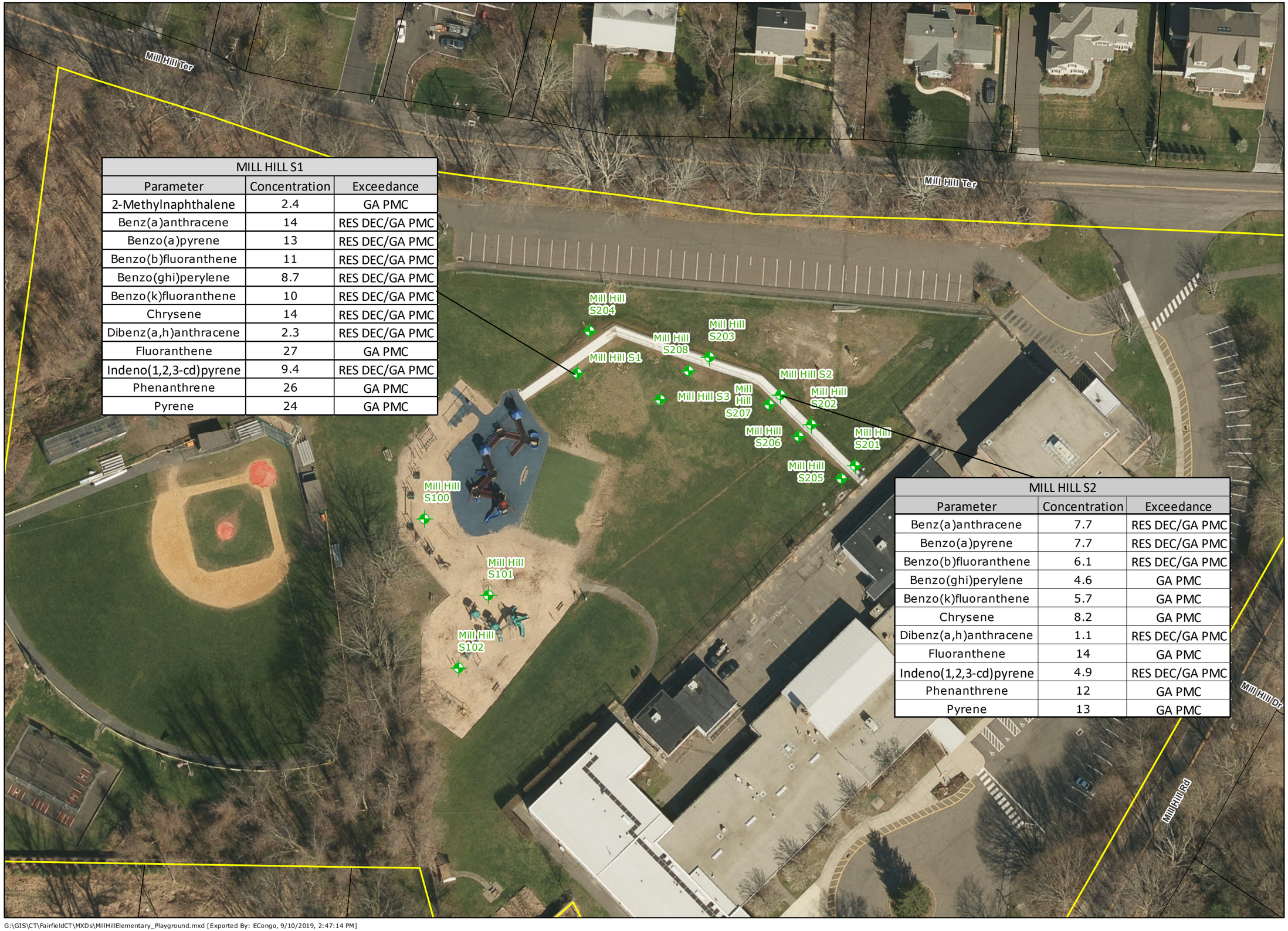

MILL HILL S1		
Parameter	Concentration	Exceedance
2-Methylnaphthalene	2.4	GA PMC
Benz(a)anthracene	14	RES DEC/GA PMC
Benzo(a)pyrene	13	RES DEC/GA PMC
Benzo(b)fluoranthene	11	RES DEC/GA PMC
Benzo(ghi)perylene	8.7	RES DEC/GA PMC
Benzo(k)fluoranthene	10	RES DEC/GA PMC
Chrysene	14	RES DEC/GA PMC
Dibenz(a,h)anthracene	2.3	RES DEC/GA PMC
Fluoranthene	27	GA PMC
Indeno(1,2,3-cd)pyrene	9.4	RES DEC/GA PMC
Phenanthrene	26	GA PMC
Pyrene	24	GA PMC

MILL HILL S2		
Parameter	Concentration	Exceedance
Benz(a)anthracene	7.7	RES DEC/GA PMC
Benzo(a)pyrene	7.7	RES DEC/GA PMC
Benzo(b)fluoranthene	6.1	RES DEC/GA PMC
Benzo(ghi)perylene	4.6	GA PMC
Benzo(k)fluoranthene	5.7	GA PMC
Chrysene	8.2	GA PMC
Dibenz(a,h)anthracene	1.1	RES DEC/GA PMC
Fluoranthene	14	GA PMC
Indeno(1,2,3-cd)pyrene	4.9	RES DEC/GA PMC
Phenanthrene	12	GA PMC
Pyrene	13	GA PMC

EXCEEDANCE SUMMARY

LEGEND

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

LOCUS MAP

0 30 60
Feet
1:720

NOTES

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

Mill Hill Elementary School Playground
635 Mill Hill Terrace
Fairfield, Connecticut

September 2019

Tighe&Bond
Engineers | Environmental Specialists

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MILL HILL ELEMENTARY SCHOOL PLAYGROUND
Summary of Analytical Data
Fairfield, Connecticut
Last Updated: 09/09/2019

Sample ID	CT RSR Criteria		US EPA	MILL HILL S100	MILL HILL S101	MILL HILL S102
Sample Depth				1.5-1.75 FT	1-1.25 FT	1-1.25 FT
Sample Date	RES DEC	GA PMC		9/4/19	9/4/19	9/4/19
Lab Sample ID				CD98467	CD98468	CD98469
Asbestos PLM 198.1[2]						
% 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%
Total Metals 6010D						
Arsenic	10	NA	NA	1.91	2.98	2.08
Lead	400	NA	NA	11	3.16	3.71
CTETPH 8015D (mg/Kg)	500	500	NA	<59	<58	<58
PCBs SW8082A (mg/Kg)						
PCB-1016	NE	NA	NA	<0.39	<0.39	<0.38
PCB-1221	NE	NA	NA	<0.39	<0.39	<0.38
PCB-1232	NE	NA	NA	<0.39	<0.39	<0.38
PCB-1242	NE	NA	NA	<0.39	<0.39	<0.38
PCB-1248	NE	NA	NA	<0.39	<0.39	<0.38
PCB-1254	NE	NA	NA	<0.39	<0.39	<0.38
PCB-1260	NE	NA	NA	<0.39	<0.39	<0.38
PCB-1262	NE	NA	NA	<0.39	<0.39	<0.38
PCB-1268	NE	NA	NA	<0.39	<0.39	<0.38
Total PCBs	1	NA	NA	<0.39	<0.39	<0.38
PAHs SW8270D (mg/Kg)						
2-Methylnaphthalene	270	0.56	NA	<0.28	<0.27	<0.27
Acenaphthene	1,000	8	NA	<0.28	<0.27	<0.27
Acenaphthylene	1,000	8	NA	<0.28	<0.27	<0.27
Anthracene	1,000	40	NA	<0.28	<0.27	<0.27
Benz(a)anthracene	1	1	NA	<0.28	<0.27	<0.27
Benzo(a)pyrene	1	1	NA	<0.28	<0.27	<0.27
Benzo(b)fluoranthene	1	1	NA	<0.28	<0.27	<0.27
Benzo(ghi)perylene	8.4	1	NA	<0.28	<0.27	<0.27
Benzo(k)fluoranthene	8.4	1	NA	<0.28	<0.27	<0.27
Chrysene	84	1	NA	<0.28	<0.27	<0.27
Dibenz(a,h)anthracene	1	1	NA	<0.28	<0.27	<0.27
Fluoranthene	1,000	5.6	NA	<0.28	<0.27	<0.27
Fluorene	1,000	5.6	NA	<0.28	<0.27	<0.27
Indeno(1,2,3-cd)pyrene	1	1	NA	<0.28	<0.27	<0.27
Naphthalene	1,000	5.6	NA	<0.28	<0.27	<0.27
Phenanthrene	1,000	4	NA	<0.28	<0.27	<0.27
Pyrene	1,000	4	NA	<0.28	<0.27	<0.27
Pesticides By SW8081B (mg/Kg)						
4,4' -DDD	NE	NE	NA	<0.0016	<0.0016	<0.0016
4,4' -DDE	NE	NE	NA	<0.0016	<0.0016	<0.0016
4,4' -DDT	NE	NE	NA	<0.0016	<0.0016	<0.0016
Total DDT	1.8	0.003	NA	<0.0016	<0.0016	<0.0016
a-BHC	0.34	0.002	NA	<0.0016	<0.0016	<0.0016
Alachlor	7.7	0.23	NA	<0.008	<0.0078	<0.0078
Aldrin	0.04	0.002	NA	<0.0016	<0.0016	<0.0016
b-BHC	0.34	0.002	NA	<0.0016	<0.0016	<0.0016
Chlordane	0.49	0.066	NA	<0.04	<0.039	<0.039
d-BHC	0.34	0.002	NA	<0.0016	<0.0016	<0.0016
Dieldrin	0.038	0.007	NA	<0.004	<0.0039	<0.0039
Endosulfan I	41	0.084	NA	<0.008	<0.0078	<0.0078
Endosulfan II	41	0.084	NA	<0.008	<0.0078	<0.0078
Endosulfan sulfate	41	0.084	NA	<0.008	<0.0078	<0.0078
Endrin	20	0.04	NA	<0.008	<0.0078	<0.0078
Endrin aldehyde	20	0.04	NA	<0.008	<0.0078	<0.0078
Endrin ketone	20	0.04	NA	<0.008	<0.0078	<0.0078
g-BHC	20	0.02	NA	<0.0016	<0.0016	<0.0016
Heptachlor	0.14	0.013	NA	<0.008	<0.0078	<0.0078
Heptachlor epoxide	0.067	0.02	NA	<0.008	<0.0078	<0.0078
Methoxychlor	340	0.8	NA	<0.04	<0.039	<0.039
Toxaphene	0.56	0.33	NA	<0.16	<0.16	<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
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.