Town of Fairfield

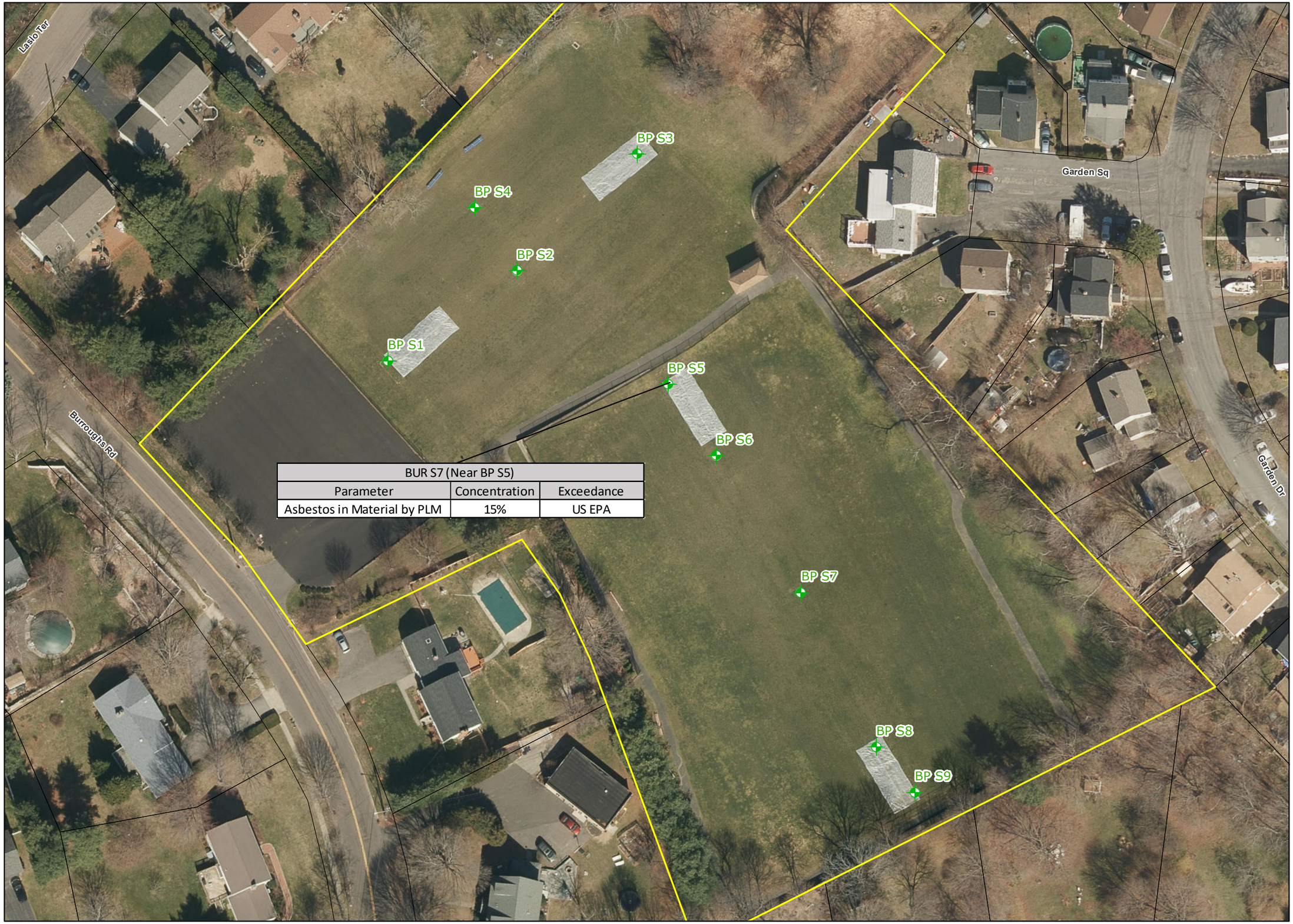
Health Department

Date: 9/26/19
From: Sands Cleary, Health Director
Re: Burroughs Park 9/10/19 Sampling Results – Soccer Fields

One of the initial 12 samples indicated the presence of non-friable asbestos. In this round of sampling 8 additional samples of materials were collected for asbestos analysis. Asbestos was not detected in any of the samples.

Based the sampling results to date Tighe and Bond, in consultation with DPH, have advised the Town that use of the fields and areas by children and adults can continue without risk of health effects. Out of abundance of caution, the area where the sample was found has been cordoned off since the initial results were received and will remain so until remediation occurs.

When reviewing the following results page, the first column shows the different constituents tested for. The next two columns have the applicable standards which are defined in the key at the bottom of that page. The right most column shows the results of each individual sample.



BUR S7 (Near BP S5)		
Parameter	Concentration	Exceedance
Asbestos in Material by PLM	15%	US EPA

EXCEEDANCE SUMMARY

LEGEND

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

LOCUS MAP

N

0 30 60

Feet

1:720

NOTES

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

Burroughs Park
940 Burroughs Road
Fairfield, Connecticut

September 2019

Tighe&Bond
Engineers | Environmental Specialists

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BORROUGH PARK
Summary of Soil Sample Analytical Data
Fairfield, Connecticut
Last Updated: 09/12/2019

Sample ID	CT RSR Criteria		US EPA	BP S1	BP S2	BP S3	BP S5	PACM-BURS-S7	PACM-BP-S5-B-1	PACM-BP-S5-B-2	PACM-BP-S5-F	PACM-BP-S5-G-1	PACM-BP-S5-G-2	PACM-BP-S5-L-1	PACM-BP-S5-L-2	PACM-BP-S5-N	BP S6	BP S7	BP S8	BP S9
Sample Depth				0-0.5 FT	0-0.5 FT	0-0.5 FT	0-0.5 FT													
Sample Date	RES DEC	GB PMC		8/23/19	8/23/19	8/23/19	8/23/19	S5 Area	9/10/19	9/10/19	9/10/19	9/10/19	9/10/19	9/10/19	9/10/19	9/10/19	8/23/19	8/23/19	8/23/19	8/23/19
Lab Sample ID				CD91932	CD91933	CD91934	CD91935	-0009	-0001	-0002	-0003	-0004	-0005	-0006	-0007	-0008	CD91936	CD91937	CD91938	CD91939
Asbestos in Material by PLM[1]	NA	NA	1%	-	-	-	-	**15%**	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	-
Asbestos PLM 198.1[2]																				
% Amosite	NA	NA	NA	0.0%	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%	0.0%
% Other	NA	NA	NA	0.0%	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%	0.0%
Total Metals 6010D																				
Arsenic	10	NA	NA	4.82	4.84	4.94	4.82	-	-	-	-	-	-	-	-	-	6.24	5.42	4.84	6.75
Lead	400	NA	NA	32.8	24.1	33.3	25.3	-	-	-	-	-	-	-	-	-	25.1	24.6	23	23.5
CTETPH 8015D (mg/Kg)	500	2500	NA	<62	<60	<60	<59	-	-	-	-	-	-	-	-	-	<63	<59	<58	<63
PCBs SW8082A (mg/Kg)																				
PCB-1016	NE	NA	NA	<0.42	<0.39	<0.39	<0.4	-	-	-	-	-	-	-	-	-	<0.42	<0.39	<0.39	<0.41
PCB-1221	NE	NA	NA	<0.42	<0.39	<0.39	<0.4	-	-	-	-	-	-	-	-	-	<0.42	<0.39	<0.39	<0.41
PCB-1232	NE	NA	NA	<0.42	<0.39	<0.39	<0.4	-	-	-	-	-	-	-	-	-	<0.42	<0.39	<0.39	<0.41
PCB-1242	NE	NA	NA	<0.42	<0.39	<0.39	<0.4	-	-	-	-	-	-	-	-	-	<0.42	<0.39	<0.39	<0.41
PCB-1248	NE	NA	NA	<0.42	<0.39	<0.39	<0.4	-	-	-	-	-	-	-	-	-	<0.42	<0.39	<0.39	<0.41
PCB-1254	NE	NA	NA	<0.42	<0.39	<0.39	<0.4	-	-	-	-	-	-	-	-	-	<0.42	<0.39	<0.39	<0.41
PCB-1260	NE	NA	NA	<0.42	<0.39	<0.39	<0.4	-	-	-	-	-	-	-	-	-	<0.42	<0.39	<0.39	<0.41
PCB-1262	NE	NA	NA	<0.42	<0.39	<0.39	<0.4	-	-	-	-	-	-	-	-	-	<0.42	<0.39	<0.39	<0.41
PCB-1268	NE	NA	NA	<0.42	<0.39	<0.39	<0.4	-	-	-	-	-	-	-	-	-	<0.42	<0.39	<0.39	<0.41
Total PCBs	1	NA	NA	<0.42	<0.39	<0.39	<0.4										<0.42	<0.39	<0.39	<0.41
PAHs SW8270D (mg/Kg)																				
2-Methylnaphthalene	270	5.6	NA	<0.29	<0.27	<0.27	<0.27	-	-	-	-	-	-	-	-	-	<0.29	<0.27	<0.28	<0.29
Acenaphthene	1,000	84	NA	<0.29	<0.27	<0.27	<0.27	-	-	-	-	-	-	-	-	-	<0.29	<0.27	<0.28	<0.29
Acenaphthylene	1,000	84	NA	<0.29	<0.27	<0.27	<0.27	-	-	-	-	-	-	-	-	-	<0.29	<0.27	<0.28	<0.29
Anthracene	1,000	400	NA	<0.29	<0.27	<0.27	<0.27	-	-	-	-	-	-	-	-	-	<0.29	<0.27	<0.28	<0.29
Benz(a)anthracene	1	1	NA	<0.29	<0.27	<0.27	<0.27	-	-	-	-	-	-	-	-	-	<0.29	<0.27	<0.28	<0.29
Benzo(a)pyrene	1	1	NA	<0.29	<0.27	<0.27	<0.27	-	-	-	-	-	-	-	-	-	<0.29	<0.27	<0.28	<0.29
Benzo(b)fluoranthene	1	1	NA	<0.29	<0.27	<0.27	<0.27	-	-	-	-	-	-	-	-	-	<0.29	<0.27	<0.28	<0.29
Benzo(ghi)perylene	8.4	1	NA	<0.29	<0.27	<0.27	<0.27	-	-	-	-	-	-	-	-	-	<0.29	<0.27	<0.28	<0.29
Benzo(k)fluoranthene	8.4	1	NA	<0.29	<0.27	<0.27	<0.27	-	-	-	-	-	-	-	-	-	<0.29	<0.27	<0.28	<0.29
Chrysene	84	1	NA	<0.29	<0.27	<0.27	0.27	-	-	-	-	-	-	-	-	-	<0.29	<0.27	<0.28	<0.29
Dibenz(a,h)anthracene	1	1	NA	<0.29	<0.27	<0.27	<0.27	-	-	-	-	-	-	-	-	-	<0.29	<0.27	<0.28	<0.29
Fluoranthene	1,000	56.0	NA	<0.29	<0.27	<0.27	0.39	-	-	-	-	-	-	-	-	-	<0.29	<0.27	<0.28	<0.29
Fluorene	1,000	56.0	NA	<0.29	<0.27	<0.27	<0.27	-	-	-	-	-	-	-	-	-	<0.29	<0.27	<0.28	<0.29
Indeno(1,2,3-cd)pyrene	1	1	NA	<0.29	<0.27	<0.27	<0.27	-	-	-	-	-	-	-	-	-	<0.29	<0.27	<0.28	<0.29
Naphthalene	1,000	56.0	NA	<0.29	<0.27	<0.27	<0.27	-	-	-	-	-	-	-	-	-	<0.29	<0.27	<0.28	<0.29
Phenanthrene	1,000	40	NA	<0.29	<0.27	<0.27	<0.27	-	-	-	-	-	-	-	-	-	<0.29	<0.27	<0.28	<0.29
Pyrene	1,000	40	NA	<0.29	<0.27	<0.27	0.4	-	-	-	-	-	-	-	-	-	<0.29	<0.27	<0.28	<0.29

CTDEEP RSRs- Connecticut Department of Energy and Environmental Protection Remediation Standard Regulations (June 27, 2013)
RES DEC-Residential Direct Exposure Criteria
GB 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 shaded values indicate exceedances of GB PMC
ND- None Detected
[1]- Asbestos analysis of Bulk Materials via EPA 600/R-93/116 Method Using Polarized Light Microscopy at EMSL Analytical.
[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.

BORROUGH PARK
Summary of Soil Sample Analytical Data
Fairfield, Connecticut
Last Updated: 09/12/2019

Sample ID	CT RSR Criteria		US EPA	BURS-S1	BURS-S2	BURS-S3	BURS-S4	BURS-S4A	BURS-S5	BURS-S6	BURS-S6A	BURS-S8	BURS-S9	BURS-S9A
Sample Depth				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	0-0.5 FT	0-0.5 FT	0-0.5 FT	0-0.5 FT
Sample Date	RES DEC	GB PMC		Parking Area	Lower Soccer Field	S9 Area	S8 Area	S9 Area	S9 Area	S5 Area	S5 Area	S5 Area	Upper Field S6	Upper Field S6
Lab Sample ID				-0001	-0002	-0003	-0004	-0005	-0006	-0007	-0008	-0010	-0011	-0012
Asbestos in Material by PLM[1]	NA	NA	1%	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Asbestos PLM 198.1[2]														
% Amosite	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-
% Chrysotile	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-
% Other	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-
% Total Asbestos	NA	NA	1%	-	-	-	-	-	-	-	-	-	-	-
Total Metals 6010D														
Arsenic	10	NA	NA	-	-	-	-	-	-	-	-	-	-	-
Lead	400	NA	NA	-	-	-	-	-	-	-	-	-	-	-
CTETPH 8015D (mg/Kg)	500	2500	NA	-	-	-	-	-	-	-	-	-	-	-
PCBs SW8082A (mg/Kg)														
PCB-1016	NE	NA	NA	-	-	-	-	-	-	-	-	-	-	-
PCB-1221	NE	NA	NA	-	-	-	-	-	-	-	-	-	-	-
PCB-1232	NE	NA	NA	-	-	-	-	-	-	-	-	-	-	-
PCB-1242	NE	NA	NA	-	-	-	-	-	-	-	-	-	-	-
PCB-1248	NE	NA	NA	-	-	-	-	-	-	-	-	-	-	-
PCB-1254	NE	NA	NA	-	-	-	-	-	-	-	-	-	-	-
PCB-1260	NE	NA	NA	-	-	-	-	-	-	-	-	-	-	-
PCB-1262	NE	NA	NA	-	-	-	-	-	-	-	-	-	-	-
PCB-1268	NE	NA	NA	-	-	-	-	-	-	-	-	-	-	-
Total PCBs	1	NA	NA											
PAHs SW8270D (mg/Kg)														
2-Methylnaphthalene	270	5.6	NA	-	-	-	-	-	-	-	-	-	-	-
Acenaphthene	1,000	84	NA	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	1,000	84	NA	-	-	-	-	-	-	-	-	-	-	-
Anthracene	1,000	400	NA	-	-	-	-	-	-	-	-	-	-	-
Benz(a)anthracene	1	1	NA	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	1	1	NA	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	1	1	NA	-	-	-	-	-	-	-	-	-	-	-
Benzo(ghi)perylene	8.4	1	NA	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	8.4	1	NA	-	-	-	-	-	-	-	-	-	-	-
Chrysene	84	1	NA	-	-	-	-	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	1	1	NA	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	1,000	56.0	NA	-	-	-	-	-	-	-	-	-	-	-
Fluorene	1,000	56.0	NA	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	1	1	NA	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	1,000	56.0	NA	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	1,000	40	NA	-	-	-	-	-	-	-	-	-	-	-
Pyrene	1,000	40	NA	-	-	-	-	-	-	-	-	-	-	-

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