

# Appendix D. Summary Statistics

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This appendix presents basics summary statistics (maximum, minimum, mean with the standard deviation) for the 27 PAHs analyzed. The 16 PAHs listed on the Environmental Protection Agency's (EPA's) priority pollutant list were summed to calculate total PAHs.

Table D-1 presents the maximum, minimum, mean and standard deviation for dry weather depositional sample results.

**Table D-1. Summary Statistics – Dry Deposition Results**

Analyte	Summary Statistics (ug/m3)				
	max	mean	std	median	min
Naphthalene	0.0430	0.0168	0.0121	0.0135	0.0044
1-Methylnaphthalene	ND	ND	ND	ND	ND
2-Methylnaphthalene	0.0240	0.0095	0.0063	0.0081	0.0039
Biphenyl	ND	ND	ND	ND	ND
Acenaphthene	0.0046	0.0028	0.0013	0.0027	0.0014
Acenaphthylene	ND	ND	ND	ND	ND
2,6-Dimethylnaphthalene	ND	ND	ND	ND	ND
2-Chloronaphthalene	ND	ND	ND	ND	ND
Fluorene	0.0070	0.0043	0.0018	0.0042	0.0019
2,3,5-Trimethylnaphthalene	ND	ND	ND	ND	ND
Anthracene	0.0022	0.0014	0.0011	0.0014	0.0006
Phenanthrene	0.0140	0.0067	0.0032	0.0063	0.0022
1-Methylphenanthrene	ND	ND	ND	ND	ND
Dibenzothiophene	ND	ND	ND	ND	ND
Fluoranthene	0.0011	0.0008	0.0003	0.0010	0.0005
Pyrene	0.0020	0.0011	0.0008	0.0008	0.0004
Benzo(a)anthracene	ND	ND	ND	ND	ND
Chrysene	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	ND	ND	ND	ND	ND
Benzo(e)pyrene	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	0.0004	0.0004	NA	0.0004	0.0004
Benzo(a)pyrene	ND	ND	ND	ND	ND
Perylene	ND	ND	ND	ND	ND
Indeno(1,2,3-c,d)pyrene	0.0006	0.0005	0.0002	0.0005	0.0003
Benzo(g,h,i)perylene	0.0008	0.0006	0.0003	0.0006	0.0004
Dibenz(a,h)anthracene	0.0004	0.0004	NA	0.0004	0.0004
Coronene	ND	ND	ND	ND	ND

Table D-2 presents the maximum, minimum, mean and standard deviation for wet weather depositional sample results.

**Table D-2. Summary Statistics – Wet Deposition Results**

Analyte	Summary Statistics (ug/m3)				
	max	mean	std	median	min
Naphthalene	37	9.317	13.691	3.55	1.4
1-Methylnaphthalene	4.4	2.92	1.467	3.2	1.2
2-Methylnaphthalene	11	4.483	3.8411	2.85	1.3
Biphenyl	3.7	2.233	1.2858	1.7	1.3
Acenaphthene	3.7	2.5	1.6971	2.5	1.3
Acenaphthylene	1.7	1.467	0.2517	1.5	1.2
2,6-Dimethylnaphthalene	1.9	1.6	0.4243	1.6	1.3
2-Chloronaphthalene	ND	ND	ND	ND	ND
Fluorene	4.3	3.467	0.7638	3.3	2.8
2,3,5-Trimethylnaphthalene	2	2	NA	2	2
Anthracene	1.3	1.2	0.1414	1.2	1.1
Phenanthrene	15	6.15	4.6029	5.5	2.3
1-Methylphenanthrene	1.1	1.1	NA	1.1	1.1
Dibenzothiophene	1.8	1.8	NA	1.8	1.8
Fluoranthene	7.4	4.333	2.6577	2.9	2.7
Pyrene	19	7.6	7.9494	4.45	2.1
Benz[a]anthracene	3.8	3.8	NA	3.8	3.8
Chrysene	4.3	3.1	1.6971	3.1	1.9
Benzo[k]fluoranthene	3.3	3.3	NA	3.3	3.3
Benzo[e]pyrene	3.4	2.75	0.9192	2.75	2.1
Benzo[b]fluoranthene	3.5	3.5	NA	3.5	3.5
Benzo[a]pyrene	ND	ND	ND	ND	ND
Perylene	ND	ND	ND	ND	ND
Indeno[1,2,3-c,d]pyrene	ND	ND	ND	ND	ND
Benzo[g,h,i]perylene	2.5	2.5	NA	2.5	2.5
Dibenz[a,h]anthracene	ND	ND	ND	ND	ND
Coronene	ND	ND	ND	ND	ND