

Chemical	Units	Coc, PAHi, FCV	SP1			SP2			SP3					
			Dry Weight Conc.	Fraction organic carbon (Foc)	Organic Carbon Normalized Conc. (Coci)	Dry Weight Conc.	Fraction organic carbon (Foc)	Organic Carbon Normalized Conc. (Coci)	Dry Weight Conc.	Fraction organic carbon (Foc)	Organic Carbon Normalized Conc. (Coci)			
Sampling Year			1999			1999			1999					
Naphthalene	ug/kg	385,000	415	0.0300	13825	0.0359	1378	0.0370	37252	0.0968	220	0.0050	44034	0.1144
Acenaphthylene	ug/kg	452,000	110	0.0300	3673	0.0081	383	0.0370	10361	0.0229	93	0.0050	18669	0.0413
Acenaphthene	ug/kg	491,000	85	0.0300	2830	0.0058	1043	0.0370	28187	0.0574	61	0.0050	12212	0.0249
Fluorene	ug/kg	538,000	123	0.0300	4089	0.0076	1212	0.0370	32759	0.0609	84	0.0050	16892	0.0314
Phenanthrene	ug/kg	596,000	988	0.0300	32948	0.0553	6950	0.0370	187829	0.3151	533	0.0050	106601	0.1789
Anthracene	ug/kg	594,000	228	0.0300	7611	0.0128	1842	0.0370	49793	0.0838	139	0.0050	27871	0.0469
Fluoranthene	ug/kg	707,000	1254	0.0300	41788	0.0591	7199	0.0370	194566	0.2752	929	0.0050	185862	0.2629
Pyrene	ug/kg	697,000	1943	0.0300	64771	0.0929	7148	0.0370	193189	0.2772	1214	0.0050	242863	0.3484
Benzo(a)anthracene	ug/kg	841,000	1033	0.0300	34443	0.0410	4106	0.0370	110964	0.1319	801	0.0050	160243	0.1905
Chrysene	ug/kg	844,000	1218	0.0300	40592	0.0481	4885	0.0370	132027	0.1564	929	0.0050	185852	0.2202
Benzo(b)fluoranthene	ug/kg	979,000	748	0.0300	24919	0.0255	3562	0.0370	96274	0.0983	640	0.0050	128000	0.1307
Benzo(k)fluoranthene	ug/kg	981,000	882	0.0300	29387	0.0300	3846	0.0370	103947	0.1060	738	0.0050	147597	0.1505
Benzo(a)pyrene	ug/kg	965,000	1128	0.0300	37594	0.0390	4387	0.0370	118565	0.1229	938	0.0050	187596	0.1944
Indeno(1,2,3-c,d)pyrene	ug/kg	1,115,000	717	0.0300	23901	0.0214	3000	0.0370	81071	0.0727	644	0.0050	128847	0.1156
Dibenz(a,h)anthracene	ug/kg	1,123,000	232	0.0300	7736	0.0069	895	0.0370	24195	0.0215	201	0.0050	40123	0.0357
Benzo(g,h,i)perylene	ug/kg	1,095,000	738	0.0300	24586	0.0225	3010	0.0370	81360	0.0743	649	0.0050	129723	0.1185
2-Methylnaphthalene	ug/kg	447,000	--	--	--	--	--	--	--	--	--	--	--	
1-Methylnaphthalene	ug/kg	446,000	--	--	--	--	--	--	--	--	--	--		
2,6-Dimethylnaphthalene	ug/kg	513,000	--	--	--	--	--	--	--	--	--	--		
2,3,5-Trimethylnaphthalene	ug/kg	584,000	--	--	--	--	--	--	--	--	--	--		
1-Methylphenanthrenes	ug/kg	670,000	--	--	--	--	--	--	--	--	--	--		
Benzo(e)pyrene	ug/kg	967,000	--	--	--	--	--	--	--	--	--	--		
Perylene	ug/kg	967,000	--	--	--	--	--	--	--	--	--	--		
2-Methylnaphthalene	ug/kg	447,000	--	--	--	--	--	--	--	--	--	--		
1-Methylnaphthalene	ug/kg	446,000	--	--	--	--	--	--	--	--	--	--		
C2-naphthalenes	ug/kg	510,000	--	--	--	--	--	--	--	--	--	--		
C3-naphthalenes	ug/kg	581,000	--	--	--	--	--	--	--	--	--	--		
C4-naphthalenes	ug/kg	657,000	--	--	--	--	--	--	--	--	--	--		
C1-fluorenes	ug/kg	611,000	--	--	--	--	--	--	--	--	--	--		
C2-fluorenes	ug/kg	686,000	--	--	--	--	--	--	--	--	--	--		
C3-fluorenes	ug/kg	769,000	--	--	--	--	--	--	--	--	--	--		
C1-phenanthrenes/anthracene	ug/kg	670,000	--	--	--	--	--	--	--	--	--	--		
C2-phenanthrenes/anthracene	ug/kg	746,000	--	--	--	--	--	--	--	--	--	--		
C3-phenanthrenes/anthracene	ug/kg	829,000	--	--	--	--	--	--	--	--	--	--		
C4-phenanthrenes/anthracene	ug/kg	913,000	--	--	--	--	--	--	--	--	--	--		
C1-benzo(a)anthracenes/chrysenes	ug/kg	929,000	--	--	--	--	--	--	--	--	--	--		
C2-benzo(a)anthracenes/chrysenes	ug/kg	1,008,000	--	--	--	--	--	--	--	--	--	--		
C3-benzo(a)anthracenes/chrysenes	ug/kg	1,111,000	--	--	--	--	--	--	--	--	--	--		
C4-benzo(a)anthracenes/chrysenes	ug/kg	1,214,000	--	--	--	--	--	--	--	--	--	--		
<b>Initial SESGTU</b>	unitless	--			0.51				1.97			2.21		
<b>Final SESGTU<sup>1</sup></b>	unitless	--			2.12				8.17			9.13		

U = Not detected

J = Detected but below the sample-specific Method Detection Limit

1. ESGs at Singing Pond stations calculated with 16 PAHs (1999 stations) were corrected with a multiplier of 4.14

Chemical	Units	Coc, PAHi, FCV	SP4			SP 5			SP 6			
			Dry Weight Conc.	Fraction organic carbon (Foc)	Organic Carbon Normalized Conc. (Coci)	Dry Weight Conc.	Fraction organic carbon (Foc)	Organic Carbon Normalized Conc. (Coci)	Dry Weight Conc.	Fraction organic carbon (Foc)	Organic Carbon Normalized Conc. (Coci)	
Sampling Year			1999			2001			2001			
Naphthalene	ug/kg	385,000	373	0.1020	3659	0.0095	3540	0.0786	45038	0.1170	5180	0.0176
Acenaphthylene	ug/kg	452,000	323	0.1020	3169	0.0070	3350	0.0786	42621	0.0943	4750	0.0176
Acenaphthene	ug/kg	491,000	465	0.1020	4562	0.0093	1580	0.0786	20102	0.0409	10330	0.0176
Fluorene	ug/kg	538,000	745	0.1020	7303	0.0136	2990	0.0786	38041	0.0707	9100	0.0176
Phenanthrene	ug/kg	596,000	3827	0.1020	37521	0.0630	17470	0.0786	222265	0.3729	49840	0.0176
Anthracene	ug/kg	594,000	988	0.1020	9687	0.0163	9200	0.0786	117048	0.1971	27270	0.0176
Fluoranthene	ug/kg	707,000	7494	0.1020	73469	0.1039	36570	0.0786	465267	0.6581	51180	0.0176
Pyrene	ug/kg	697,000	7776	0.1020	76233	0.1094	43610	0.0786	554835	0.7960	63840	0.0176
Benzo(a)anthracene	ug/kg	841,000	3156	0.1020	30938	0.0368	19990	0.0786	254326	0.3024	29210	0.0176
Chrysene	ug/kg	844,000	5703	0.1020	55912	0.0662	19970	0.0786	254071	0.3010	27660	0.0176
Benzo(b)fluoranthene	ug/kg	979,000	4383	0.1020	42975	0.0439	11500	0.0786	146310	0.1494	12160	0.0176
Benzo(k)fluoranthene	ug/kg	981,000	4331	0.1020	42463	0.0433	11660	0.0786	148346	0.1512	16320	0.0176
Benzo(a)pyrene	ug/kg	965,000	4014	0.1020	39353	0.0408	15370	0.0786	195547	0.2026	20270	0.0176
Indeno(1,2,3-c,d)pyrene	ug/kg	1,115,000	2886	0.1020	28295	0.0254	6730	0.0786	85623	0.0768	8140	0.0176
Dibenz(a,h)anthracene	ug/kg	1,123,000	663	0.1020	6497	0.0058	750	0.0786	9542	0.0085	950	0.0176
Benzo(g,h,i)perylene	ug/kg	1,095,000	2317	0.1020	22715	0.0207	6600	0.0786	83969	0.0767	7660	0.0176
2-Methylnaphthalene	ug/kg	447,000	--	--	--	--	--	--	--	--	--	--
1-Methylnaphthalene	ug/kg	446,000	--	--	--	--	--	--	--	--	--	--
2,6-Dimethylnaphthalene	ug/kg	513,000	--	--	--	--	--	--	--	--	--	--
2,3,5-Trimethylnaphthalene	ug/kg	584,000	--	--	--	--	--	--	--	--	--	--
1-Methylphenanthrenes	ug/kg	670,000	--	--	--	--	--	--	--	--	--	--
Benzo(e)pyrene	ug/kg	967,000	--	--	--	--	9420	0.0786	119847	0.1239	10850	0.0176
Perylene	ug/kg	967,000	--	--	--	--	--	--	--	--	--	--
2-Methylnaphthalene	ug/kg	447,000	--	--	--	--	2470	0.0786	31425	0.07030187	4560	0.0176
1-Methylnaphthalene	ug/kg	446,000	--	--	--	--	990	0.0786	12595	0.02824085	2940	0.0176
C2-naphthalenes	ug/kg	510,000	--	--	--	--	15	0.0786	191	0.0003742	15	0.0176
C3-naphthalenes	ug/kg	581,000	--	--	--	--	15	0.0786	191	0.00032847	15	0.0176
C4-naphthalenes	ug/kg	657,000	--	--	--	--	15	0.0786	191	0.00029047	15	0.0176
C1-fluorennes	ug/kg	611,000	--	--	--	--	2650	0.0786	33715	0.05518005	7010	0.0176
C2-fluorennes	ug/kg	686,000	--	--	--	--	2390	0.0786	30407	0.04432525	3740	0.0176
C3-fluorennes	ug/kg	769,000	--	--	--	--	15	0.0786	191	0.00024817	2210	0.0176
C1-phenanthrenes/anthracene	ug/kg	670,000	--	--	--	--	11700	0.0786	148855	0.22217158	46990	0.0176
C2-phenanthrenes/anthracene	ug/kg	746,000	--	--	--	--	15650	0.0786	199109	0.2669027	28520	0.0176
C3-phenanthrenes/anthracene	ug/kg	829,000	--	--	--	--	6950	0.0786	88422	0.10666151	8620	0.0176
C4-phenanthrenes/anthracene	ug/kg	913,000	--	--	--	--	9680	0.0786	123155	0.13489071	15	0.0176
C1-benzo(a)anthracenes/chrysenes	ug/kg	929,000	--	--	--	--	12060	0.0786	153435	0.16516159	16280	0.0176
C2-benzo(a)anthracenes/chrysenes	ug/kg	1,008,000	--	--	--	--	5150	0.0786	65522	0.06500162	5500	0.0176
C3-benzo(a)anthracenes/chrysenes	ug/kg	1,111,000	--	--	--	--	15	0.0786	191	0.00017177	15	0.0176
C4-benzo(a)anthracenes/chrysenes	ug/kg	1,214,000	--	--	--	--	300	0.0786	3817	0.00314398	15	0.0176
<b>Initial SESGTU</b>	unitless		--			0.61				4.90		38.51
<b>Final SESGTU<sup>1</sup></b>	unitless		--	--	--	2.55				4.90		38.51

Marsh Area      15.32  
Main Channel      6.47