

GC-MS Concentrations for all 43 Samples

(Clean Samples)

	Dock West extn 1 conc (ppm)	+/-		Outer Harbor West extn 1 conc (ppm)	+/-		Dock North extn 1 conc (ppm)	+/-		End of Building extn 1 conc (ppm)	+/-
naphthalene	7.57	0.07	naphthalene	BDL	BDL	naphthalene	0.71	0.02	naphthalene	1.41	0.02
acenaphthylene	BDL	BDL	acenaphthylene	BDL	BDL	acenaphthylene	0.29	0.01	acenaphthylene	0.73	0.01
acenaphthene	2.89	0.03	acenaphthene	BDL	BDL	acenaphthene	0.18	0.02	acenaphthene	0.46	0.05
fluorene	BDL	BDL	fluorene	BDL	BDL	fluorene	0.38	0.02	fluorene	0.94	0.02
phenanthrene	BDL	BDL	phenanthrene	0.23	0.01	phenanthrene	3.13	0.04	phenanthrene	6.48	0.03
anthracene	1.28	0.11	anthracene	0.71	0.25	anthracene	1.14	0.07	anthracene	2.26	0.14
fluoranthene	1.24	0.30	fluoranthene	1.40	0.36	fluoranthene	6.94	0.09	fluoranthene	15.18	0.12
pyrene	BDL	BDL	pyrene	1.32	0.34	pyrene	6.04	0.09	pyrene	13.07	0.12
benz[a]anthracene	BDL	BDL	benz[a]anthracene	1.65	0.60	benz[a]anthracene	2.58	0.15	benz[a]anthracene	4.98	0.34
chrysene	1.49	0.33	chrysene	1.02	0.48	chrysene	3.03	0.11	chrysene	6.25	0.21
benzo[k]fluoranthene	BDL	BDL	benzo[k]fluoranthene	BDL	BDL	benzo[k]fluoranthene	2.97	0.30	benzo[k]fluoranthene	6.41	0.60
benzo[b]fluoranthene	BDL	BDL	benzo[b]fluoranthene	BDL	BDL	benzo[b]fluoranthene	2.83	0.22	benzo[b]fluoranthene	5.27	0.48
benzo[a]pyrene	BDL	BDL	benzo[a]pyrene	BDL	BDL	benzo[a]pyrene	2.40	0.08	benzo[a]pyrene	4.89	0.17
indeno[123-cd]pyrene	BDL	BDL	indeno[123-cd]pyrene	BDL	BDL	indeno[123-cd]pyrene	3.12	0.38	indeno[123-cd]pyrene	6.23	0.84
dibenz[ah]anthracene	BDL	BDL	dibenz[ah]anthracene	BDL	BDL	dibenz[ah]anthracene	BDL	BDL	dibenz[ah]anthracene	BDL	BDL
benzo[ghi]perylene	BDL	BDL	benzo[ghi]perylene	BDL	BDL	benzo[ghi]perylene	2.10	0.26	benzo[ghi]perylene	4.08	0.56
TOTAL	14		TOTAL	6		TOTAL	38		TOTAL	79	
	Mooring Buoy extn 1 conc (ppm)	+/-		Pier West extn 1 conc (ppm)	+/-		Sewer extn 1 conc (ppm)	+/-		Outer Harbor North extn 1 conc (ppm)	+/-
naphthalene	0.24	0.01	naphthalene	0.96	0.11	naphthalene	1.25	0.01	naphthalene	0.130	0.01
acenaphthylene	0.28	0.01	acenaphthylene	0.62	0.01	acenaphthylene	0.70	0.01	acenaphthylene	0.045	0.02
acenaphthene	0.30	0.04	acenaphthene	0.43	0.02	acenaphthene	0.53	0.01	acenaphthene	0.280	0.04
fluorene	0.50	0.03	fluorene	0.74	0.02	fluorene	0.90	0.02	fluorene	0.416	0.02
phenanthrene	2.35	0.01	phenanthrene	5.34	0.07	phenanthrene	6.77	0.06	phenanthrene	2.977	0.02
anthracene	1.36	0.19	anthracene	1.76	0.09	anthracene	1.77	0.05	anthracene	1.550	0.10
fluoranthene	7.35	0.19	fluoranthene	11.97	0.12	fluoranthene	14.26	0.14	fluoranthene	5.657	0.09
pyrene	6.50	0.16	pyrene	10.10	0.09	pyrene	12.05	0.12	pyrene	4.195	0.10
benz[a]anthracene	4.51	0.34	benz[a]anthracene	3.90	0.22	benz[a]anthracene	4.40	0.13	benz[a]anthracene	2.555	0.31
chrysene	4.74	0.24	chrysene	5.23	0.12	chrysene	5.95	0.10	chrysene	2.501	0.23
benzo[k]fluoranthene	5.71	0.58	benzo[k]fluoranthene	5.49	0.38	benzo[k]fluoranthene	5.09	0.23	benzo[k]fluoranthene	2.996	0.59
benzo[b]fluoranthene	4.74	0.48	benzo[b]fluoranthene	4.96	0.27	benzo[b]fluoranthene	4.39	0.26	benzo[b]fluoranthene	2.606	0.47
benzo[a]pyrene	5.17	0.14	benzo[a]pyrene	5.08	0.09	benzo[a]pyrene	4.37	0.13	benzo[a]pyrene	2.447	0.16
indeno[123-cd]pyrene	5.58	0.86	indeno[123-cd]pyrene	6.26	0.46	indeno[123-cd]pyrene	5.03	0.36	indeno[123-cd]pyrene	2.891	0.89
dibenz[ah]anthracene	BDL	BDL	dibenz[ah]anthracene	BDL	BDL	dibenz[ah]anthracene	BDL	BDL	dibenz[ah]anthracene	BDL	BDL
benzo[ghi]perylene	3.65	0.57	benzo[ghi]perylene	4.60	0.27	benzo[ghi]perylene	3.66	0.20	benzo[ghi]perylene	2.074	0.54
TOTAL	53		TOTAL	67		TOTAL	71		TOTAL	33	

GC-MS Concentrations for all 43 Samples

Appendix B

(Station 1)

	STA 1 9-15						STA 1 21-27				
	extn 1 conc (ppm)	extn 2 conc (ppm)	AVG	STDEV	RSD		extn 1 conc (ppm)	extn 2 conc (ppm)	AVG	STDEV	RSD
naphthalene	1.17	1.62	1.40	0.32	22.8%	naphthalene	0.85	0.98	0.91	0.09	9.6%
acenaphthylene	1.90	1.93	1.92	0.02	1.3%	acenaphthylene	1.82	1.92	1.87	0.07	3.6%
acenaphthene	2.36	2.43	2.40	0.05	2.1%	acenaphthene	2.12	2.20	2.16	0.06	2.6%
fluorene	1.64	1.73	1.69	0.06	3.8%	fluorene	1.49	1.57	1.53	0.06	3.7%
phenanthrene	4.35	5.36	4.86	0.71	14.7%	phenanthrene	3.18	3.38	3.28	0.14	4.3%
anthracene	2.50	2.65	2.58	0.11	4.1%	anthracene	2.21	2.38	2.30	0.12	5.2%
fluoranthene	12.80	14.20	13.50	0.99	7.3%	fluoranthene	9.74	10.50	10.12	0.54	5.3%
pyrene	10.80	11.90	11.35	0.78	6.9%	pyrene	8.47	9.17	8.82	0.49	5.6%
benz[a]anthracene	8.91	5.69	7.30	2.28	31.2%	benz[a]anthracene	5.64	5.70	5.67	0.04	0.7%
chrysene	4.10	4.56	4.33	0.33	7.5%	chrysene	4.08	4.14	4.11	0.04	1.0%
benzo[k]fluoranthene	10.49	11.02	10.75	0.37	3.5%	benzo[k]fluoranthene	10.40	11.40	10.90	0.71	6.5%
benzo[b]fluoranthene	7.44	6.47	6.96	0.69	9.9%	benzo[b]fluoranthene	5.46	4.85	5.16	0.43	8.4%
benzo[a]pyrene	9.40	8.70	9.05	0.49	5.5%	benzo[a]pyrene	8.58	9.01	8.80	0.30	3.5%
indeno[123-cd]pyrene	BDL	BDL				indeno[123-cd]pyrene	BDL	BDL			
dibenz[ah]anthracene	BDL	BDL				dibenz[ah]anthracene	BDL	BDL			
benzo[ghi]perylene	BDL	BDL				benzo[ghi]perylene	BDL	BDL			
TOTAL			78			TOTAL			66		

GC-MS Concentrations for all 43 Samples Appendix B

(Station 2)

	STA 2 9-15				
	extn 1	extn 2			
	conc (ppm)	conc (ppm)	AVG	STDEV	RSD
naphthalene	1.78	2.02	1.90	0.17	8.9%
acenaphthylene	1.95	2.01	1.98	0.04	2.1%
acenaphthene	2.15	2.19	2.17	0.03	1.3%
fluorene	1.61	1.71	1.66	0.07	4.2%
phenanthrene	2.99	3.73	3.36	0.52	15.6%
anthracene	2.42	2.65	2.54	0.16	6.4%
fluoranthene	7.77	9.11	8.44	0.95	11.2%
pyrene	7.03	8.19	7.61	0.82	10.8%
benz[a]anthracene	5.37	6.09	5.73	0.51	8.9%
chrysene	3.98	5.03	4.51	0.74	16.5%
benzo[k]fluoranthene	10.50	10.70	10.60	0.14	1.3%
benzo[b]fluoranthene	5.48	5.50	5.49	0.01	0.3%
benzo[a]pyrene	8.70	9.58	9.14	0.62	6.8%
indeno[123-cd]pyrene	BDL	BDL			
dibenz[ah]anthracene	BDL	BDL			
benzo[ghi]perylene	BDL	BDL			
TOTAL			65		

GC-MS Concentrations for all 43 Samples (Station 4)

	STA 4 33-39				
	extn 1	extn 2			
	conc (ppm)	conc (ppm)	AVG	STDEV	RSD
naphthalene	1.44	0.99	1.21	0.32	26.5%
acenaphthylene	1.99	1.98	1.99	0.01	0.4%
acenaphthene	2.93	2.80	2.87	0.09	3.2%
fluorene	2.53	2.35	2.44	0.13	5.2%
phenanthrene	13.50	12.20	12.85	0.92	7.2%
anthracene	4.01	3.66	3.84	0.25	6.5%
fluoranthene	36.20	37.30	36.75	0.78	2.1%
pyrene	27.40	29.20	28.30	1.27	4.5%
benz[a]anthracene	10.60	11.30	10.95	0.49	4.5%
chrysene	10.40	11.20	10.80	0.57	5.2%
benzo[k]fluoranthene	18.50	18.10	18.30	0.28	1.5%
benzo[b]fluoranthene	10.04	10.02	10.03	0.02	0.2%
benzo[a]pyrene	12.40	12.30	12.35	0.07	0.6%
indeno[123-cd]pyrene	BDL	BDL			
dibenz[ah]anthracene	BDL	BDL			
benzo[ghi]perylene	BDL	BDL			
TOTAL			153		

GC-MS Concentrations for all 43 Samples (Station 4)

	STA 4 57-63				
	extn 1	extn 2			
	conc (ppm)	conc (ppm)	AVG	STDEV	RSD
naphthalene	13.80	11.20	12.50	1.84	14.7%
acenaphthylene	2.57	2.46	2.52	0.08	3.2%
acenaphthene	5.80	5.74	5.77	0.04	0.7%
fluorene	5.60	5.73	5.67	0.09	1.6%
phenanthrene	36.00	37.80	36.90	1.27	3.4%
anthracene	6.94	7.30	7.12	0.25	3.6%
fluoranthene	100.70	89.50	95.10	7.92	8.3%
pyrene	71.20	66.00	68.60	3.68	5.4%
benz[a]anthracene	24.50	22.00	23.25	1.77	7.6%
chrysene	22.10	19.70	20.90	1.70	8.1%
benzo[k]fluoranthene	35.80	36.10	35.95	0.21	0.6%
benzo[b]fluoranthene	21.40	19.10	20.25	1.63	8.0%
benzo[a]pyrene	18.70	18.70	18.70	0.00	0.0%
indeno[123-cd]pyrene	BDL	BDL			
dibenz[ah]anthracene	BDL	BDL			
benzo[ghi]perylene	BDL	BDL			
TOTAL			353		

GC-MS Concentrations for all 43 Samples (Station 4)

	STA 4 81-87				
	extn 1	extn 2			
	conc (ppm)	conc (ppm)	AVG	STDEV	RSD
naphthalene	9.07	5.26	7.16	2.70	37.6%
acenaphthylene	2.74	2.51	2.63	0.16	6.2%
acenaphthene	4.59	4.20	4.40	0.28	6.3%
fluorene	4.58	3.98	4.28	0.42	9.9%
phenanthrene	29.70	26.70	28.20	2.12	7.5%
anthracene	6.35	5.74	6.05	0.43	7.1%
fluoranthene	80.10	72.50	76.30	5.37	7.0%
pyrene	57.90	55.20	56.55	1.91	3.4%
benz[a]anthracene	16.80	23.80	20.30	4.95	24.4%
chrysene	18.80	18.60	18.70	0.14	0.8%
benzo[k]fluoranthene	36.30	40.80	38.55	3.18	8.3%
benzo[b]fluoranthene	18.30	19.40	18.85	0.78	4.1%
benzo[a]pyrene	17.20	18.60	17.90	0.99	5.5%
indeno[123-cd]pyrene	BDL	BDL			
dibenz[ah]anthracene	BDL	BDL			
benzo[ghi]perylene	BDL	BDL			
TOTAL			300		

GC-MS Concentrations for all 43 Samples (Station 5)

	STA 5 21-27				
	extn 1	extn 2			
	conc (ppm)	conc (ppm)	AVG	STDEV	RSD
naphthalene	1.06	1.07	1.07	0.01	0.7%
acenaphthylene	1.94	1.95	1.95	0.00	0.3%
acenaphthene	2.77	2.73	2.75	0.03	1.0%
fluorene	2.55	2.40	2.48	0.11	4.3%
phenanthrene	15.90	15.00	15.45	0.64	4.1%
anthracene	4.04	3.87	3.96	0.12	3.0%
fluoranthene	47.00	43.00	45.00	2.83	6.3%
pyrene	32.40	30.30	31.35	1.48	4.7%
benz[a]anthracene	11.00	11.22	11.11	0.15	1.4%
chrysene	12.20	12.70	12.45	0.35	2.8%
benzo[k]fluoranthene	25.60	25.30	25.45	0.21	0.8%
benzo[b]fluoranthene	12.90	11.60	12.25	0.92	7.5%
benzo[a]pyrene	12.00	13.90	12.95	1.34	10.4%
indeno[123-cd]pyrene	BDL	BDL			
dibenz[ah]anthracene	BDL	BDL			
benzo[ghi]perylene	BDL	BDL			
TOTAL			178		

GC-MS Concentrations for all 43 Samples (Station 5.5)

	STA 5.5 23-25				
	extn 1	extn 2			
	conc (ppm)	conc (ppm)	AVG	STDEV	RSD
naphthalene	1.08	0.99	1.04	0.06	5.9%
acenaphthylene	2.06	1.91	1.99	0.11	5.3%
acenaphthene	3.37	3.19	3.28	0.13	3.9%
fluorene	3.04	2.98	3.01	0.04	1.4%
phenanthrene	20.44	20.35	20.40	0.06	0.3%
anthracene	5.26	5.17	5.22	0.06	1.2%
fluoranthene	49.50	49.90	49.70	0.28	0.6%
pyrene	36.90	36.60	36.75	0.21	0.6%
benz[a]anthracene	14.90	14.50	14.70	0.28	1.9%
chrysene	14.50	15.10	14.80	0.42	2.9%
benzo[k]fluoranthene	24.20	28.10	26.15	2.76	10.5%
benzo[b]fluoranthene	10.90	12.62	11.76	1.21	10.3%
benzo[a]pyrene	15.90	16.70	16.30	0.57	3.5%
indeno[123-cd]pyrene	12.40	13.60	13.00	0.85	6.5%
dibenz[ah]anthracene	5.12	4.70	4.91	0.30	6.0%
benzo[ghi]perylene	8.72	9.30	9.01	0.41	4.6%
TOTAL			232		

GC-MS Concentrations for all 43 Samples (Station 5.5)

	STA 5.5 29-31		AVG	STDEV	RSD
	extn 1 conc (ppm)	extn 2 conc (ppm)			
naphthalene	1.50	1.33	1.42	0.12	8.5%
acenaphthylene	2.13	2.22	2.18	0.06	2.9%
acenaphthene	3.19	4.86	4.03	1.18	29.3%
fluorene	4.66	4.44	4.55	0.16	3.4%
phenanthrene	35.40	31.00	33.20	3.11	9.4%
anthracene	7.43	6.87	7.15	0.40	5.5%
fluoranthene	75.80	65.00	70.40	7.64	10.8%
pyrene	54.40	47.20	50.80	5.09	10.0%
benz[a]anthracene	19.10	17.50	18.30	1.13	6.2%
chrysene	19.70	17.30	18.50	1.70	9.2%
benzo[k]fluoranthene	37.00	33.40	35.20	2.55	7.2%
benzo[b]fluoranthene	16.20	13.20	14.70	2.12	14.4%
benzo[a]pyrene	23.70	21.60	22.65	1.48	6.6%
indeno[123-cd]pyrene	19.80	15.60	17.70	2.97	16.8%
dibenz[ah]anthracene	BDL	BDL			
benzo[ghi]perylene	14.70	13.10	13.90	1.13	8.1%
TOTAL			315		

GC-MS Concentrations for all 43 Samples (Station 5.5)

	STA 5.5 35-37				
	extn 1	extn 2			
	conc (ppm)	conc (ppm)	AVG	STDEV	RSD
naphthalene	1.07	1.33	1.20	0.18	15.3%
acenaphthylene	2.06	2.25	2.16	0.13	6.2%
acenaphthene	4.69	4.94	4.82	0.18	3.7%
fluorene	4.80	5.20	5.00	0.28	5.7%
phenanthrene	38.30	41.30	39.80	2.12	5.3%
anthracene	7.26	7.90	7.58	0.45	6.0%
fluoranthene	99.80	104.00	101.90	2.97	2.9%
pyrene	72.40	75.90	74.15	2.47	3.3%
benz[a]anthracene	22.10	24.30	23.20	1.56	6.7%
chrysene	25.00	28.50	26.75	2.47	9.3%
benzo[k]fluoranthene	42.60	52.50	47.55	7.00	14.7%
benzo[b]fluoranthene	19.00	21.90	20.45	2.05	10.0%
benzo[a]pyrene	22.40	28.90	25.65	4.60	17.9%
indeno[123-cd]pyrene	15.90	27.60	21.75	8.27	38.0%
dibenz[ah]anthracene	BDL	BDL			
benzo[ghi]perylene	15.10	22.20	18.65	5.02	26.9%
TOTAL			421		

GC-MS Concentrations for all 43 Samples (Station 5.5)

	STA 5.5 41-43				
	extn 1	extn 2			
	conc (ppm)	conc (ppm)	AVG	STDEV	RSD
naphthalene	1.62	1.36	1.49	0.19	12.4%
acenaphthylene	2.49	2.49	2.49	0.00	0.1%
acenaphthene	5.93	5.97	5.95	0.03	0.5%
fluorene	6.61	6.90	6.76	0.21	3.0%
phenanthrene	52.90	55.30	54.10	1.70	3.1%
anthracene	9.10	9.30	9.20	0.14	1.5%
fluoranthene	116.10	114.50	115.30	1.13	1.0%
pyrene	84.20	83.20	83.70	0.71	0.8%
benz[a]anthracene	29.90	41.60	35.75	8.27	23.1%
chrysene	33.20	32.40	32.80	0.57	1.7%
benzo[k]fluoranthene	55.50	55.40	55.45	0.07	0.1%
benzo[b]fluoranthene	23.10	22.40	22.75	0.49	2.2%
benzo[a]pyrene	36.40	32.90	34.65	2.47	7.1%
indeno[123-cd]pyrene	27.10	27.30	27.20	0.14	0.5%
dibenz[ah]anthracene	BDL	BDL			
benzo[ghi]perylene	20.00	19.60	19.80	0.28	1.4%
TOTAL			507		

GC-MS Concentrations for all 43 Samples (Station 5.5)

	STA 5.5 45-47				
	extn 1	extn 2			
	conc (ppm)	conc (ppm)	AVG	STDEV	RSD
naphthalene	2.21	1.63	1.92	0.41	21.4%
acenaphthylene	2.77	2.55	2.66	0.16	5.8%
acenaphthene	8.63	8.11	8.37	0.37	4.4%
fluorene	10.10	9.36	9.73	0.52	5.4%
phenanthrene	88.30	81.30	84.80	4.95	5.8%
anthracene	14.80	13.80	14.30	0.71	4.9%
fluoranthene	135.00	175.81	155.41	28.86	18.6%
pyrene	137.40	125.00	131.20	8.77	6.7%
benz[a]anthracene	43.40	41.20	42.30	1.56	3.7%
chrysene	49.30	45.00	47.15	3.04	6.4%
benzo[k]fluoranthene	84.10	82.70	83.40	0.99	1.2%
benzo[b]fluoranthene	34.80	33.10	33.95	1.20	3.5%
benzo[a]pyrene	40.00	48.30	44.15	5.87	13.3%
indeno[123-cd]pyrene	41.10	52.90	47.00	8.34	17.8%
dibenz[ah]anthracene	BDL	BDL			
benzo[ghi]perylene	26.90	34.80	30.85	5.59	18.1%
TOTAL			737		

GC-MS Concentrations for all 43 Samples (Station 5.5)

	STA 5.5 47-49				
	extn 1	extn 2			
	conc (ppm)	conc (ppm)	AVG	STDEV	RSD
naphthalene	1.51	2.10	1.81	0.42	23.1%
acenaphthylene	2.63	2.47	2.55	0.11	4.4%
acenaphthene	9.35	10.60	9.98	0.88	8.9%
fluorene	10.90	12.70	11.80	1.27	10.8%
phenanthrene	88.10	103.40	95.75	10.82	11.3%
anthracene	14.60	17.60	16.10	2.12	13.2%
fluoranthene	112.30	126.30	119.30	9.90	8.3%
pyrene	81.30	89.60	85.45	5.87	6.9%
benz[a]anthracene	38.10	30.70	34.40	5.23	15.2%
chrysene	29.60	32.50	31.05	2.05	6.6%
benzo[k]fluoranthene	57.00	67.30	62.15	7.28	11.7%
benzo[b]fluoranthene	22.30	25.10	23.70	1.98	8.4%
benzo[a]pyrene	35.80	41.50	38.65	4.03	10.4%
indeno[123-cd]pyrene	35.20	48.00	41.60	9.05	
dibenz[ah]anthracene	BDL	BDL			
benzo[ghi]perylene	24.60	32.00	28.30	5.23	
TOTAL			603		

GC-MS Concentrations for all 43 Samples (Station 5.5)

	STA 5.5 49-51				
	extn 1	extn 2			
	conc (ppm)	conc (ppm)	AVG	STDEV	RSD
naphthalene	1.65	1.25	1.45	0.28	19.5%
acenaphthylene	2.41	2.25	2.33	0.11	4.9%
acenaphthene	5.77	5.30	5.54	0.33	6.0%
fluorene	5.95	5.43	5.69	0.37	6.5%
phenanthrene	45.90	40.70	43.30	3.68	8.5%
anthracene	8.38	7.44	7.91	0.66	8.4%
fluoranthene	75.60	69.40	72.50	4.38	6.0%
pyrene	55.20	50.50	52.85	3.32	6.3%
benz[a]anthracene	20.70	19.50	20.10	0.85	4.2%
chrysene	22.70	21.10	21.90	1.13	5.2%
benzo[k]fluoranthene	51.30	40.60	45.95	7.57	16.5%
benzo[b]fluoranthene	20.60	16.50	18.55	2.90	15.6%
benzo[a]pyrene	29.40	23.60	26.50	4.10	15.5%
indeno[123-cd]pyrene	23.10	19.60	21.35	2.47	11.6%
dibenz[ah]anthracene	BDL	BDL			
benzo[ghi]perylene	20.00	16.10	18.05	2.76	15.3%
TOTAL			364		

GC-MS Concentrations for all 43 Samples (Station 5.5)

	STA 5.5 51-53				
	extn 1	extn 2			
	conc (ppm)	conc (ppm)	AVG	STDEV	RSD
naphthalene	1.34	1.27	1.31	0.05	3.8%
acenaphthylene	2.44	2.26	2.35	0.13	5.4%
acenaphthene	6.09	5.86	5.98	0.16	2.7%
fluorene	6.82	7.10	6.96	0.20	2.8%
phenanthrene	52.30	55.10	53.70	1.98	3.7%
anthracene	9.08	9.55	9.32	0.33	3.6%
fluoranthene	124.00	123.00	123.50	0.71	0.6%
pyrene	90.20	88.50	89.35	1.20	1.3%
benz[a]anthracene	34.10	29.90	32.00	2.97	9.3%
chrysene	40.30	34.00	37.15	4.45	12.0%
benzo[k]fluoranthene	67.60	63.20	65.40	3.11	4.8%
benzo[b]fluoranthene	25.60	25.60	25.60	0.00	0.0%
benzo[a]pyrene	34.60	29.90	32.25	3.32	10.3%
indeno[123-cd]pyrene	32.00	29.80	30.90	1.56	5.0%
dibenz[ah]anthracene	BDL	BDL			
benzo[ghi]perylene	30.90	21.10	26.00	6.93	26.7%
TOTAL			542		

GC-MS Concentrations for all 43 Samples (Station 5.5)

	STA 5.5 53-55				
	extn 1	extn 2			
	conc (ppm)	conc (ppm)	AVG	STDEV	RSD
naphthalene	0.95	1.55	1.25	0.43	34.3%
acenaphthylene	1.93	2.14	2.04	0.15	7.3%
acenaphthene	4.44	4.97	4.71	0.37	8.0%
fluorene	4.28	5.18	4.73	0.64	13.5%
phenanthrene	31.20	37.00	34.10	4.10	12.0%
anthracene	5.90	7.27	6.59	0.97	14.7%
fluoranthene	77.10	93.30	85.20	11.46	13.4%
pyrene	56.00	67.70	61.85	8.27	13.4%
benz[a]anthracene	23.10	24.90	24.00	1.27	5.3%
chrysene	20.80	28.80	24.80	5.66	22.8%
benzo[k]fluoranthene	44.30	44.90	44.60	0.42	1.0%
benzo[b]fluoranthene	19.10	19.70	19.40	0.42	2.2%
benzo[a]pyrene	21.40	27.70	24.55	4.45	18.1%
indeno[123-cd]pyrene	21.00	18.00	19.50	2.12	
dibenz[ah]anthracene	BDL	BDL			
benzo[ghi]perylene	13.50	16.00	14.75	1.77	12.0%
TOTAL			372		

GC-MS Concentrations for all 43 Samples (Station 5.5)

	STA 5.5 55-57				
	extn 1	extn 2			
	conc (ppm)	conc (ppm)	AVG	STDEV	RSD
naphthalene	1.26	1.24	1.25	0.01	1.1%
acenaphthylene	2.05	1.97	2.01	0.06	2.8%
acenaphthene	4.43	4.55	4.49	0.08	1.9%
fluorene	4.90	5.08	4.99	0.13	2.6%
phenanthrene	32.10	34.70	33.40	1.84	5.5%
anthracene	6.59	6.80	6.70	0.15	2.2%
fluoranthene	58.90	63.10	61.00	2.97	4.9%
pyrene	42.20	44.40	43.30	1.56	3.6%
benz[a]anthracene	17.00	15.60	16.30	0.99	6.1%
chrysene	18.80	17.10	17.95	1.20	6.7%
benzo[k]fluoranthene	57.00	67.30	62.15	7.28	11.7%
benzo[b]fluoranthene	22.30	25.10	23.70	1.98	8.4%
benzo[a]pyrene	15.80	14.80	15.30	0.71	4.6%
indeno[123-cd]pyrene	10.40	10.80	10.60	0.28	2.7%
dibenz[ah]anthracene	BDL	BDL			
benzo[ghi]perylene	8.86	7.85	8.36	0.71	8.5%
TOTAL			311		

GC-MS Concentrations for all 43 Samples (Station 5.5)

	STA 5.5 59-61				
	extn 1	extn 2			
	conc (ppm)	conc (ppm)	AVG	STDEV	RSD
naphthalene	1.92	2.00	1.96	0.06	2.9%
acenaphthylene	2.35	2.37	2.36	0.01	0.6%
acenaphthene	7.42	7.29	7.36	0.09	1.2%
fluorene	11.90	12.20	12.05	0.21	1.8%
phenanthrene	84.50	86.60	85.55	1.48	1.7%
anthracene	12.60	13.00	12.80	0.28	2.2%
fluoranthene	97.90	101.00	99.45	2.19	2.2%
pyrene	63.40	67.50	65.45	2.90	4.4%
benz[a]anthracene	29.10	22.30	25.70	4.81	18.7%
chrysene	25.00	25.80	25.40	0.57	2.2%
benzo[k]fluoranthene	51.30	40.60	45.95	7.57	16.5%
benzo[b]fluoranthene	20.60	16.50	18.55	2.90	15.6%
benzo[a]pyrene	32.10	41.90	37.00	6.93	18.7%
indeno[123-cd]pyrene	25.20	33.40	29.30	5.80	19.8%
dibenz[ah]anthracene	BDL	BDL			
benzo[ghi]perylene	20.00	29.20	24.60	6.51	26.4%
TOTAL			493		

GC-MS Concentrations for all 43 Samples (Station 5.5)

	STA 5.5 51-53				
	extn 1	extn 2			
	conc (ppm)	conc (ppm)	AVG	STDEV	RSD
naphthalene	3.42	1.43	2.43	1.41	58.0%
acenaphthylene	2.09	2.12	2.11	0.02	1.0%
acenaphthene	2.89	3.43	3.16	0.38	12.1%
fluorene	2.99	3.81	3.40	0.58	17.1%
phenanthrene	14.70	27.70	21.20	9.19	43.4%
anthracene	4.27	6.03	5.15	1.24	24.2%
fluoranthene	38.50	71.00	54.75	22.98	42.0%
pyrene	29.70	52.00	40.85	15.77	38.6%
benz[a]anthracene	17.00	28.00	22.50	7.78	34.6%
chrysene	14.20	23.90	19.05	6.86	36.0%
benzo[k]fluoranthene	31.00	39.10	35.05	5.73	16.3%
benzo[b]fluoranthene	11.90	17.50	14.70	3.96	26.9%
benzo[a]pyrene	13.50	22.20	17.85	6.15	34.5%
indeno[123-cd]pyrene	BDL	BDL			
dibenz[ah]anthracene	BDL	BDL			
benzo[ghi]perylene	BDL	BDL			
TOTAL			242		

GC-MS Concentrations for all 43 Samples (Station 6)

	STA 6 9-15				
	extn 1	extn 2			
	conc (ppm)	conc (ppm)	AVG	STDEV	RSD
naphthalene	1.31	0.74	1.03	0.41	39.5%
acenaphthylene	1.70	1.79	1.75	0.06	3.6%
acenaphthene	2.37	2.89	2.63	0.37	14.0%
fluorene	2.04	2.48	2.26	0.31	13.8%
phenanthrene	9.31	13.10	11.21	2.68	23.9%
anthracene	3.00	3.73	3.37	0.52	15.3%
fluoranthene	21.20	25.10	23.15	2.76	11.9%
pyrene	15.50	18.60	17.05	2.19	12.9%
benz[a]anthracene	8.04	11.10	9.57	2.16	22.6%
chrysene	7.62	7.60	7.61	0.01	0.2%
benzo[k]fluoranthene	13.50	17.30	15.40	2.69	17.4%
benzo[b]fluoranthene	6.32	6.55	6.44	0.16	2.5%
benzo[a]pyrene	9.37	11.20	10.29	1.29	12.6%
indeno[123-cd]pyrene	BDL	BDL			
dibenz[ah]anthracene	BDL	BDL			
benzo[ghi]perylene	BDL	BDL			
TOTAL			112		

GC-MS Concentrations for all 43 Samples (Station 6)

	STA 6 21-27				
	extn 1	extn 2			
	conc (ppm)	conc (ppm)	AVG	STDEV	RSD
naphthalene	0.90	1.19	1.05	0.20	19.3%
acenaphthylene	2.01	1.97	1.99	0.03	1.4%
acenaphthene	2.92	2.94	2.93	0.01	0.5%
fluorene	2.71	2.75	2.73	0.03	1.0%
phenanthrene	15.10	16.20	15.65	0.78	5.0%
anthracene	4.25	4.58	4.42	0.23	5.3%
fluoranthene	36.10	36.20	36.15	0.07	0.2%
pyrene	24.80	25.10	24.95	0.21	0.9%
benz[a]anthracene	18.90	10.20	14.55	6.15	42.3%
chrysene	9.64	9.72	9.68	0.06	0.6%
benzo[k]fluoranthene	24.40	21.20	22.80	2.26	9.9%
benzo[b]fluoranthene	10.20	8.45	9.33	1.24	13.3%
benzo[a]pyrene	12.90	12.50	12.70	0.28	2.2%
indeno[123-cd]pyrene	10.60	11.50	11.05	0.64	5.8%
dibenz[ah]anthracene	BDL	BDL			
benzo[ghi]perylene	6.70	7.50	7.10	0.57	8.0%
TOTAL			177		

GC-MS Concentrations for all 43 Samples (Station 6.5)

	STA 6.5 6-8				
	extn 1	extn 2			
	conc (ppm) (ppm)	conc (ppm)	AVG	STDEV	RSD
naphthalene	0.44	0.27	0.36	0.13	35.2%
acenaphthylene	0.64	0.60	0.62	0.03	4.9%
acenaphthene	1.54	1.39	1.47	0.10	7.0%
fluorene	1.50	1.31	1.40	0.14	9.7%
phenanthrene	3.97	3.02	3.50	0.67	19.1%
anthracene	2.07	1.88	1.98	0.13	6.6%
fluoranthene	6.78	5.06	5.92	1.22	20.5%
pyrene	5.09	3.78	4.44	0.92	20.8%
benz[a]anthracene	6.99	6.65	6.82	0.24	3.5%
chrysene	4.33	3.60	3.96	0.52	13.1%
benzo[k]fluoranthene	BDL	BDL			
benzo[b]fluoranthene	BDL	BDL			
benzo[a]pyrene	BDL	BDL			
indeno[123-cd]pyrene	BDL	BDL			
dibenz[ah]anthracene	BDL	BDL			
benzo[ghi]perylene	BDL	BDL			
TOTAL			30		

GC-MS Concentrations for all 43 Samples (Station 6.5)

	STA 6.5 12-14				
	extn 1	extn 2			
	conc (ppm)	conc (ppm)	AVG	STDEV	RSD
naphthalene	0.14	0.13	0.14	0.00	3.1%
acenaphthylene	0.53	0.54	0.54	0.00	0.9%
acenaphthene	1.31	1.37	1.34	0.05	3.4%
fluorene	1.26	1.33	1.29	0.05	3.8%
phenanthrene	2.68	3.39	3.03	0.50	16.6%
anthracene	1.95	1.99	1.97	0.03	1.3%
fluoranthene	4.77	5.88	5.33	0.78	14.7%
pyrene	3.51	4.23	3.87	0.51	13.1%
benz[a]anthracene	6.85	6.89	6.87	0.02	0.4%
chrysene	3.75	4.02	3.89	0.19	4.9%
benzo[k]fluoranthene	BDL	BDL			
benzo[b]fluoranthene	BDL	BDL			
benzo[a]pyrene	BDL	BDL			
indeno[123-cd]pyrene	BDL	BDL			
dibenz[ah]anthracene	BDL	BDL			
benzo[ghi]perylene	BDL	BDL			
TOTAL			28		

GC-MS Concentrations for all 43 Samples (Station 6.5)

	STA 6.5 18-20				
	extn 1	extn 2			
	conc (ppm)	conc (ppm)	AVG	STDEV	RSD
naphthalene	15.59	13.84	14.72	1.23	8.4%
acenaphthylene	1.46	1.54	1.50	0.06	4.2%
acenaphthene	21.89	20.17	21.03	1.22	5.8%
fluorene	27.23	23.25	25.24	2.81	11.1%
phenanthrene	241.95	212.38	227.17	20.91	9.2%
anthracene	43.81	45.17	44.49	0.96	2.2%
fluoranthene	404.17	351.63	377.90	37.15	9.8%
pyrene	301.26	269.29	285.27	22.60	7.9%
benz[a]anthracene	93.27	92.99	93.13	0.20	0.2%
chrysene	107.21	105.59	106.40	1.14	1.1%
benzo[k]fluoranthene	146.98	121.65	134.32	17.91	13.3%
benzo[b]fluoranthene	78.16	63.67	70.91	10.24	14.4%
benzo[a]pyrene	79.43	65.10	72.27	10.13	14.0%
indeno[123-cd]pyrene	58.32	51.35	54.84	4.93	9.0%
dibenz[ah]anthracene	18.16	20.56	19.36	1.70	8.8%
benzo[ghi]perylene	37.55	27.70	32.62	6.97	21.4%
TOTAL			1581		

GC-MS Concentrations for all 43 Samples (Station 6.5)

	STA 6.5 24-26				
	extn 1	extn 2			
	conc (ppm)	conc (ppm)	AVG	STDEV	RSD
naphthalene	0.49	0.61	0.55	0.08	15.3%
acenaphthylene	0.73	0.73	0.73	0.00	0.6%
acenaphthene	2.11	2.58	2.34	0.34	14.3%
fluorene	2.48	3.10	2.79	0.43	15.6%
phenanthrene	15.08	19.76	17.42	3.31	19.0%
anthracene	4.09	4.70	4.40	0.43	9.7%
fluoranthene	31.60	37.50	34.55	4.17	12.1%
pyrene	24.34	28.74	26.54	3.11	11.7%
benz[a]anthracene	12.73	14.07	13.40	0.95	7.1%
chrysene	13.03	13.42	13.22	0.28	2.1%
benzo[k]fluoranthene	BDL	BDL			
benzo[b]fluoranthene	BDL	BDL			
benzo[a]pyrene	BDL	BDL			
indeno[123-cd]pyrene	BDL	BDL			
dibenz[ah]anthracene	BDL	BDL			
benzo[ghi]perylene	BDL	BDL			
TOTAL			116		

GC-MS Concentrations for all 43 Samples (Station 6.5)

	STA 6.5 30-32				
	extn 1	extn 2			
	conc (ppm)	conc (ppm)	AVG	STDEV	RSD
naphthalene	1.41	1.44	1.42	0.02	1.4%
acenaphthylene	1.11	1.08	1.10	0.02	2.1%
acenaphthene	6.19	6.16	6.18	0.02	0.4%
fluorene	8.61	8.43	8.52	0.13	1.5%
phenanthrene	69.54	69.06	69.30	0.34	0.5%
anthracene	12.41	12.71	12.56	0.21	1.7%
fluoranthene	140.47	139.14	139.81	0.94	0.7%
pyrene	101.96	100.62	101.29	0.94	0.9%
benz[a]anthracene	30.66	32.69	31.68	1.43	4.5%
chrysene	35.88	35.89	35.89	0.01	0.0%
benzo[k]fluoranthene	50.21	53.49	51.85	2.32	4.5%
benzo[b]fluoranthene	33.66	31.29	32.47	1.68	5.2%
benzo[a]pyrene	25.30	25.28	25.29	0.01	0.1%
indeno[123-cd]pyrene	51.35	59.90	55.62	6.05	10.9%
dibenz[ah]anthracene	BDL	BDL			
benzo[ghi]perylene	28.68	35.69	32.18	4.96	15.4%
TOTAL			605		

GC-MS Concentrations for all 43 Samples (Station 6.5)

	STA 6.5 36-38				
	extn 1	extn 2			
	conc (ppm)	conc (ppm)	AVG	STDEV	RSD
naphthalene	2.04	2.06	2.05	0.01	0.6%
acenaphthylene	1.21	1.11	1.16	0.07	6.0%
acenaphthene	6.01	5.54	5.78	0.33	5.8%
fluorene	6.19	7.59	6.89	0.99	14.4%
phenanthrene	68.80	62.27	65.54	4.62	7.0%
anthracene	11.86	10.81	11.33	0.74	6.6%
fluoranthene	136.97	123.02	130.00	9.86	7.6%
pyrene	69.60	89.15	79.38	13.82	17.4%
benz[a]anthracene	33.88	30.95	32.41	2.07	6.4%
chrysene	36.63	33.07	34.85	2.51	7.2%
benzo[k]fluoranthene	48.89	47.29	48.09	1.13	2.3%
benzo[b]fluoranthene	28.63	25.91	27.27	1.93	7.1%
benzo[a]pyrene	22.47	23.08	22.78	0.43	1.9%
indeno[123-cd]pyrene	52.73	55.34	54.03	1.85	3.4%
dibenz[ah]anthracene	BDL	BDL			
benzo[ghi]perylene	33.24	33.21	33.22	0.02	0.1%
TOTAL			555		

GC-MS Concentrations for all 43 Samples (Station 6.5)

	STA 6.5 43-45				
	extn 1	extn 2			
	conc (ppm)	conc (ppm)	AVG	STDEV	RSD
naphthalene	1.22	1.15	1.18	0.05	4.1%
acenaphthylene	0.98	0.94	0.96	0.03	3.3%
acenaphthene	4.81	4.73	4.77	0.06	1.2%
fluorene	7.51	7.26	7.38	0.18	2.4%
phenanthrene	49.69	46.05	47.87	2.57	5.4%
anthracene	8.40	7.93	8.16	0.33	4.1%
fluoranthene	86.37	86.23	86.30	0.10	0.1%
pyrene	61.72	62.02	61.87	0.21	0.3%
benz[a]anthracene	26.45	27.13	26.79	0.48	1.8%
chrysene	29.09	29.28	29.19	0.13	0.5%
benzo[k]fluoranthene	38.45	41.56	40.00	2.20	5.5%
benzo[b]fluoranthene	18.08	21.61	19.84	2.50	12.6%
benzo[a]pyrene	16.16	18.88	17.52	1.92	10.9%
indeno[123-cd]pyrene	47.31	49.87	48.59	1.81	3.7%
dibenz[ah]anthracene	BDL	BDL			
benzo[ghi]perylene	25.83	33.77	29.80	5.62	18.9%
TOTAL			430		

GC-MS Concentrations for all 43 Samples (Station 6.5)

	STA 6.5 49-51				
	extn 1	extn 2			
	conc (ppm)	conc (ppm)	AVG	STDEV	RSD
naphthalene	0.34	0.38	0.36	0.03	8.6%
acenaphthylene	0.63	0.65	0.64	0.01	1.9%
acenaphthene	2.45	2.57	2.51	0.09	3.6%
fluorene	3.00	3.44	3.22	0.32	9.9%
phenanthrene	18.97	22.60	20.79	2.57	12.3%
anthracene	3.39	3.87	3.63	0.33	9.2%
fluoranthene	32.73	35.78	34.25	2.16	6.3%
pyrene	24.88	27.18	26.03	1.63	6.2%
benz[a]anthracene	14.36	14.68	14.52	0.23	1.6%
chrysene	14.42	15.16	14.79	0.53	3.6%
benzo[k]fluoranthene	17.79	19.16	18.48	0.97	5.2%
benzo[b]fluoranthene	8.74	8.55	8.65	0.14	1.6%
benzo[a]pyrene	8.31	8.21	8.26	0.07	0.9%
indeno[123-cd]pyrene	20.02	19.17	19.60	0.60	3.1%
dibenz[ah]anthracene	BDL	BDL			
benzo[ghi]perylene	8.18	8.82	8.50	0.46	5.4%
TOTAL			184		

GC-MS Concentrations for all 43 Samples (Station 6.5)

	STA 6.5 55-57 (not used in chemometric model)				
	extn 1 conc (ppm)	extn 2 conc (ppm)	AVG	STDEV	RSD
naphthalene	0.36	0.30	0.33	0.04	12.3%
acenaphthylene	0.69	0.65	0.67	0.03	4.7%
acenaphthene	2.42	2.33	2.38	0.06	2.5%
fluorene	3.65	3.60	3.63	0.03	0.9%
phenanthrene	23.41	22.85	23.13	0.40	1.7%
anthracene	4.01	3.60	3.80	0.29	7.7%
fluoranthene	34.98	34.05	34.51	0.66	1.9%
pyrene	27.17	26.20	26.68	0.68	2.6%
benz[a]anthracene	13.77	13.59	13.68	0.12	0.9%
chrysene	14.17	13.43	13.80	0.52	3.8%
benzo[k]fluoranthene	16.67	16.92	16.79	0.17	1.0%
benzo[b]fluoranthene	9.08	8.32	8.70	0.53	6.1%
benzo[a]pyrene	8.77	7.73	8.25	0.74	9.0%
indeno[123-cd]pyrene	20.43	18.56	19.49	1.32	6.8%
dibenz[ah]anthracene	BDL	BDL			
benzo[ghi]perylene	8.32	9.51	8.92	0.84	9.5%
TOTAL			185		

GC-MS Concentrations for all 43 Samples (Station 6.5)

	STA 6.5 61-63				
	extn 1	extn 2			
	conc (ppm)	conc (ppm)	AVG	STDEV	RSD
naphthalene	0.69	0.55	0.62	0.10	16.2%
acenaphthylene	0.73	0.77	0.75	0.03	3.6%
acenaphthene	2.73	2.58	2.65	0.10	3.8%
fluorene	4.25	3.64	3.95	0.43	10.8%
phenanthrene	28.61	24.10	26.35	3.19	12.1%
anthracene	5.20	4.53	4.86	0.47	9.7%
fluoranthene	50.33	43.79	47.06	4.63	9.8%
pyrene	35.96	31.34	33.65	3.26	9.7%
benz[a]anthracene	17.23	16.72	16.97	0.36	2.1%
chrysene	18.47	16.84	17.65	1.15	6.5%
benzo[k]fluoranthene	22.88	19.63	21.26	2.30	10.8%
benzo[b]fluoranthene	12.79	10.06	11.42	1.93	16.9%
benzo[a]pyrene	11.54	10.13	10.84	1.00	9.2%
indeno[123-cd]pyrene	24.62	21.53	23.07	2.19	9.5%
dibenz[ah]anthracene	BDL	BDL			
benzo[ghi]perylene	13.81	9.36	11.58	3.15	27.2%
TOTAL			233		

GC-MS Concentrations for all 43 Samples (Station 6.5)

	STA 6.5 67-69				
	extn 1	extn 2			
	conc (ppm)	conc (ppm)	AVG	STDEV	RSD
naphthalene	0.47	0.51	0.49	0.03	6.4%
acenaphthylene	0.74	0.72	0.73	0.01	1.4%
acenaphthene	2.67	2.64	2.65	0.02	0.8%
fluorene	3.91	3.73	3.82	0.12	3.3%
phenanthrene	26.53	25.89	26.21	0.45	1.7%
anthracene	4.59	4.41	4.50	0.12	2.7%
fluoranthene	50.59	50.23	50.41	0.26	0.5%
pyrene	36.66	37.19	36.92	0.37	1.0%
benz[a]anthracene	18.00	17.68	17.84	0.22	1.3%
chrysene	19.82	19.27	19.55	0.39	2.0%
benzo[k]fluoranthene	20.88	20.68	20.78	0.15	0.7%
benzo[b]fluoranthene	10.91	11.43	11.17	0.36	3.3%
benzo[a]pyrene	9.99	10.40	10.19	0.29	2.8%
indeno[123-cd]pyrene	23.14	23.13	23.13	0.00	0.0%
dibenz[ah]anthracene	BDL	BDL			
benzo[ghi]perylene	10.24	11.31	10.78	0.75	7.0%
TOTAL			239		

GC-MS Concentrations for all 43 Samples (Station 6.5)

	STA 6.5 73-75				
	extn 1	extn 2			
	conc (ppm)	conc (ppm)	AVG	STDEV	RSD
naphthalene	0.84	0.81	0.82	0.02	2.7%
acenaphthylene	0.85	0.84	0.84	0.01	0.9%
acenaphthene	3.43	3.28	3.35	0.10	3.1%
fluorene	5.59	5.31	5.45	0.20	3.6%
phenanthrene	37.82	36.05	36.93	1.25	3.4%
anthracene	6.36	6.13	6.24	0.16	2.5%
fluoranthene	58.57	56.96	57.76	1.14	2.0%
pyrene	41.52	40.99	41.25	0.38	0.9%
benz[a]anthracene	18.91	19.40	19.15	0.35	1.8%
chrysene	20.26	20.18	20.22	0.06	0.3%
benzo[k]fluoranthene	28.96	28.43	28.69	0.37	1.3%
benzo[b]fluoranthene	14.99	14.06	14.53	0.66	4.5%
benzo[a]pyrene	12.30	12.06	12.18	0.17	1.4%
indeno[123-cd]pyrene	29.54	28.77	29.15	0.55	1.9%
dibenz[ah]anthracene	BDL	BDL			
benzo[ghi]perylene	15.74	16.20	15.97	0.33	2.1%
TOTAL			293		

GC-MS Concentrations for all 43 Samples (Station 6.5)

	STA 6.5 79-81				
	extn 1	extn 2			
	conc (ppm)	conc (ppm)	AVG	STDEV	RSD
naphthalene	0.65	0.72	0.68	0.05	6.9%
acenaphthylene	0.70	0.68	0.69	0.01	1.3%
acenaphthene	2.56	2.53	2.55	0.02	0.9%
fluorene	3.50	3.68	3.59	0.13	3.6%
phenanthrene	23.46	24.83	24.14	0.97	4.0%
anthracene	4.42	4.44	4.43	0.02	0.4%
fluoranthene	42.05	43.37	42.71	0.93	2.2%
pyrene	31.54	32.54	32.04	0.71	2.2%
benz[a]anthracene	16.44	16.35	16.39	0.07	0.4%
chrysene	16.62	16.07	16.34	0.38	2.4%
benzo[k]fluoranthene	21.67	22.27	21.97	0.43	2.0%
benzo[b]fluoranthene	10.22	7.70	8.96	1.79	19.9%
benzo[a]pyrene	9.72	8.71	9.22	0.71	7.7%
indeno[123-cd]pyrene	26.25	23.40	24.83	2.01	8.1%
dibenz[ah]anthracene	BDL	BDL			
benzo[ghi]perylene	10.15	10.44	10.30	0.20	2.0%
TOTAL			219		

GC-MS Concentrations for all 43 Samples (Station 6.5)

	STA 6.5 85-87				
	extn 1	extn 2			
	conc (ppm)	conc (ppm)	AVG	STDEV	RSD
naphthalene	0.82	0.81	0.82	0.01	0.9%
acenaphthylene	0.87	0.82	0.85	0.03	3.8%
acenaphthene	2.68	2.50	2.59	0.13	4.9%
fluorene	4.07	3.81	3.94	0.19	4.7%
phenanthrene	29.99	28.14	29.06	1.30	4.5%
anthracene	5.91	5.72	5.81	0.13	2.2%
fluoranthene	57.36	54.51	55.93	2.02	3.6%
pyrene	41.76	40.16	40.96	1.13	2.8%
benz[a]anthracene	19.69	18.93	19.31	0.53	2.8%
chrysene	19.77	19.00	19.39	0.55	2.8%
benzo[k]fluoranthene	29.26	28.01	28.63	0.88	3.1%
benzo[b]fluoranthene	18.31	14.82	16.57	2.47	14.9%
benzo[a]pyrene	15.46	14.80	15.13	0.47	3.1%
indeno[123-cd]pyrene	33.95	31.05	32.50	2.06	6.3%
dibenz[ah]anthracene	12.38	11.46	11.92	0.65	5.5%
benzo[ghi]perylene	16.20	17.02	16.61	0.58	3.5%
TOTAL			300		

GC-MS Concentrations for all 43 Samples (Station 6.5)

	STA 6.5 91-93				
	extn 1	extn 2			
	conc (ppm)	conc (ppm)	AVG	STDEV	RSD
naphthalene	0.37	0.50	0.44	0.09	20.8%
acenaphthylene	0.67	0.75	0.71	0.06	8.2%
acenaphthene	2.37	2.42	2.39	0.03	1.3%
fluorene	3.37	3.49	3.43	0.08	2.4%
phenanthrene	21.24	21.53	21.38	0.21	1.0%
anthracene	3.82	3.93	3.87	0.08	2.1%
fluoranthene	39.22	38.07	38.65	0.81	2.1%
pyrene	29.18	27.93	28.56	0.88	3.1%
benz[a]anthracene	14.67	14.70	14.69	0.02	0.1%
chrysene	14.51	14.50	14.51	0.01	0.1%
benzo[k]fluoranthene	19.84	17.40	18.62	1.73	9.3%
benzo[b]fluoranthene	8.93	8.31	8.62	0.44	5.1%
benzo[a]pyrene	9.32	9.14	9.23	0.13	1.4%
indeno[123-cd]pyrene	22.17	21.94	22.06	0.16	0.7%
dibenz[ah]anthracene	BDL	BDL			
benzo[ghi]perylene	8.51	9.06	8.79	0.39	4.4%
TOTAL			196		

GC-MS Concentrations for all 43 Samples (Station 6.5)

	STA 6.5 97-99				
	extn 1	extn 2			
	conc (ppm)	conc (ppm)	AVG	STDEV	RSD
naphthalene	1.11	0.75	0.93	0.25	26.9%
acenaphthylene	1.10	0.91	1.00	0.13	13.0%
acenaphthene	3.48	3.27	3.38	0.15	4.4%
fluorene	5.71	5.16	5.43	0.39	7.2%
phenanthrene	37.02	32.90	34.96	2.92	8.3%
anthracene	6.18	5.47	5.83	0.50	8.6%
fluoranthene	70.22	62.17	66.20	5.69	8.6%
pyrene	50.52	46.32	48.42	2.97	6.1%
benz[a]anthracene	21.30	20.27	20.78	0.73	3.5%
chrysene	24.34	21.60	22.97	1.93	8.4%
benzo[k]fluoranthene	28.00	24.10	26.05	2.76	10.6%
benzo[b]fluoranthene	17.57	10.92	14.24	4.70	33.0%
benzo[a]pyrene	14.81	14.88	14.84	0.05	0.3%
indeno[123-cd]pyrene	34.19	32.84	33.51	0.95	2.8%
dibenz[ah]anthracene	BDL	BDL			
benzo[ghi]perylene	20.43	17.22	18.82	2.27	12.1%
TOTAL			317		