

Table 1 Comparison of Columbia Slough Sediment Contaminant Baseline Maxima Generated through Two Separate Graphical Analysis Methods

		Contaminant Concentrations			
		Maximum Conc. Detected	Median Conc.	Baseline Maxima Norm.-Prob. Plot	Baseline Maxima Linear Ord. Resp. Plot
Benzoic acid	ppb	1400	46	110	108
Methylene chloride	ppb	3400	3.6	6.4	10
4-Methylphenol	ppb	3300	22.5	16	20
Phenol	ppb	310	17.5	11	13
Toluene	ppb	12000	2.0	1.8	2.2
Butylbenzylphthalate	ppb	1900	44	151	149
Di-n-butylphthalate	ppb	410	<18	<18	<18
Di-n-octylphthalate	ppb	7800	<6.7	<6.7	<6.7
bis-(2-Ethylhexyl)phthalate	ppb	59000	650	1930	1816
Total PAHs	ppb	143860	599	1078	1073
LPAHs	ppb	15460	69	130	137
HPAHs	ppb	128400	510	1243	1010
Acenaphthene	ppb	370	<8.7	<8.7	9.0
Acenaphthylene	ppb	2200	<11	11.2	<11
Anthracene	ppb	3400	<13	13	13
Benzo(a)anthracene	ppb	12000	35	87	72
Benzo(b)fluoranthene	ppb	14000	52	99	104
Benzo(k)fluoranthene	ppb	12000	43	104	87
Benzo(g,h,i)perylene	ppb	1500	27	86	64
Benzo(a)pyrene	ppb	11000	45	100	90
Carbazole	ppb	910	<17	<17	<17
Chrysene	ppb	15000	62	103	129
Dibenzo(a,h)anthracene	ppb	2700	10.8	27	23
Fluoranthene	ppb	28000	76	132	144
Fluorene	ppb	890	<8.6	8.6	8.6
Indeno(1,2,3-c,d)pyrene	ppb	6800	34	78	74
2-Methylnaphthylene	ppb	520	<9.5	<9.5	<9.5
Naphthylene	ppb	1300	<10	<10	<10
Phenanthrene	ppb	7400	37	88	80
Pyrene	ppb	28000	89	196	196
Arochlor 1254	ppb	520	<22	23	24
Total DDT	ppb	342	6.2	19	16
DDD	ppb	72	2.5	6.7	6.1
DDE	ppb	100	3	9.8	7.0
DDT	ppb	170	0.72	1.8	2.5
Dieldrin	ppb	37	<0.43	0.65	0.50
alpha-Chlordane	ppb	140	<0.20	0.29	0.27
gamma-Chlordane	ppb	130	0.65	2.1	1.8

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				Norm.-Prob. Plot	Linear Ord. Resp. Plot
Cyanide ion	ppm	2.4	<0.23	0.50	0.37
Arsenic	ppm	36.6	5.2	8.5	8.4
Cadmium	ppm	84	1	2.3	1.9
Chromium	ppm	1090	35	71	58
Copper	ppm	1350	34.3	72	54
Lead	ppm	19000	48.5	82	90
Manganese	ppm	2670	336	438	457
Mercury	ppm	5.2	0.09	0.18	0.17
Molybdenum	ppm	68.8	<1.0	<1.0	<1.0
Nickel	ppm	799	23	33	34
Selenium	ppm	3	0.3	0.44	0.59
Silver	ppm	5.6	0.14	0.27	0.25
Thallium	ppm	45	<0.40	0.58	0.61
Zinc	ppm	1320	186	315	314

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