APPENDIX B

DATA SUMMARIES FROM THE 2000 RI/FS

The attached data tables provide a complete summary of the chemistry and bioassay data generated as part of the 2000 RI/FS.

Table B-1 - Analytical Results for Surface Sediment Samples

Lab-ID	9609011-1	9609011-2	9609024-4	9609011-3	9609011-4	9609024-5	9609011-5	9609024-6
Sample-ID	HC-SS-01	HC-SS-02	HC-SS-03	HC-SS-04	HC-SS-05	HC-SS-06	HC-SS-07	HC-SS-08
Depth	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft
Sampling Date	9/03/96	9/03/96	9/06/96	9/03/96	9/03/96	9/06/96	9/03/96	9/06/96
Conventionals in pct. (dry)								
Moisture	70	70	67	66	63	68	62	61
Total Organic Carbon	2.8	3.4	2.8	3.5	2.1	2.9	2.8	2.3
Metals in mg/kg (dry)								
Arsenic			8.6			12		9.5
Cadmium			1.5 U			1.6 U		1.3 U
Chromium			55			65		57
Copper			37			45		43
Lead			9 U			11		11
Mercury	0.32 U	0.47	0.32	0.35	0.32	0.39	0.47	0.53
Silver			1.5 U			1.6 U		1.3 U
Zinc			72			81		78
HPAHs in µg/kg (dry)								
Benz(a)anthracene			66 UE			27 E		56 UE
Benzo(a)pyrene			19 E			30 E		56 E
Benzo(b)fluoranthene			37 EC			31 E		61 E
Benzo(ghi)perylene			93 UE			32 E		93 E
Benzo(k)fluoranthene			37 EC			23 E		54 E
Chrysene			28 E			43 E		73 E
Dibenz(a,h)anthracene			93 UE			96 UE		79 UE
Fluoranthene			73 E			88 E		200 E
Indeno(1,2,3-cd)pyrene			90 UE			93 UE		59 E
Pyrene			78 E			98 E		230 E
Total benzofluoranthenes			37			54		115
Total HPAHs			235			372		826
HPAHs in mg/kg (OC)								
Benz(a)anthracene			2.36 UE			0.93 E		2.43 UE
Benzo(a)pyrene			0.68 E			1.03 E		2.43 E
Benzo(b)fluoranthene			1.32 EC			1.07 E		2.65 E
Benzo(ghi)perylene			3.32 UE			1.10 E		4.04 E
Benzo(k)fluoranthene			1.32 EC			0.79 E		2.35 E
Chrysene			1.00 E			1.48 E		3.17 E
Dibenz(a,h)anthracene			3.32 UE			3.31 UE		3.43 UE
Fluoranthene			2.61 E			3.03 E		8.70 E
Indeno(1,2,3-cd)pyrene			3.21 UE			3.21 UE		2.57 E
Pyrene			2.79 E			3.38 E		10.00 E
Total benzofluoranthenes			1.32			1.86		5.00
Total HPAHs			8.39			12.83		35.91

Table B-1 - Analytical Results for Surface Sediment Samples

Lab-ID	9609011-1	9609011-2	9609024-4	9609011-3	9609011-4	9609024-5	9609011-5	9609024-6
Sample-ID	HC-SS-01	HC-SS-02	HC-SS-03	HC-SS-04	HC-SS-05	HC-SS-06	HC-SS-07	HC-SS-08
Depth	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft
Sampling Date	9/03/96	9/03/96	9/06/96	9/03/96	9/03/96	9/06/96	9/03/96	9/06/96
LPAHs in µg/kg (dry)								
2-Methylnaphthalene			50 UE			52 UE		41 E
Acenaphthene			51 UE			53 UE		43 UE
Acenaphthylene			46 UE			48 UE		44 E
Anthracene			54 UE			56 UE		37 E
Fluorene			59 UE			61 UE		21 E
Naphthalene			150 E			140 E		320 E
Phenanthrene			81 E			88 E		220 E
Total LPAHs			231			228		642
LPAHs in mg/kg (OC)								
2-Methylnaphthalene			1.79 UE			1.79 UE		1.78 E
Acenaphthene			1.82 UE			1.83 UE		1.87 UE
Acenaphthylene			1.64 UE			1.66 UE		1.91 E
Anthracene			1.93 UE			1.93 UE		1.61 E
Fluorene			2.11 UE			2.10 UE		0.91 E
Naphthalene			5.36 E			4.83 E		13.91 E
Phenanthrene			2.89 E			3.03 E		9.57 E
Total LPAHs			8.25			7.86		27.91
Semivolatiles in µg/kg (dry)								
1,2,4-Trichlorobenzene			47 UE			48 UE		39 UE
1,2-Dichlorobenzene			55 UE			57 UE		47 UE
1,4-Dichlorobenzene			50 UE			52 UE		42 UE
Benzoic Acid			220 E			340 E		250 UE
Benzyl Alcohol			4.4 E			5.1 E		7.1 E
Dibenzofuran			21 E			21 E		63 E
Hexachlorobenzene			5.1 U			5.2 U		4.3 U
Hexachlorobutadiene			5.1 U			5.2 U		4.3 U
N-Nitroso diphenylamine			62 UE			64 UE		53 UE
Semivolatiles in mg/kg (OC)								
1,2,4-Trichlorobenzene			1.68 UE			1.66 UE		1.70 UE
1,2-Dichlorobenzene			1.96 UE			1.97 UE		2.04 UE
1,4-Dichlorobenzene			1.79 UE			1.79 UE		1.83 UE
Benzoic Acid			7.86 E			11.72 E		10.87 UE
Benzyl Alcohol			0.16 E			0.18 E		0.31 E
Dibenzofuran			0.75 E			0.72 E		2.74 E
Hexachlorobenzene			0.18 U			0.18 U		0.19 U
Hexachlorobutadiene			0.18 U			0.18 U		0.19 U
N-Nitroso diphenylamine			2.21 UE			2.21 UE		2.30 UE

Table B-1 - Analytical Results for Surface Sediment Samples

Lab-ID	9609011-1	9609011-2	9609024-4	9609011-3	9609011-4	9609024-5	9609011-5	9609024-6
Sample-ID	HC-SS-01	HC-SS-02	HC-SS-03	HC-SS-04	HC-SS-05	HC-SS-06	HC-SS-07	HC-SS-08
Depth	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft
Sampling Date	9/03/96	9/03/96	9/06/96	9/03/96	9/03/96	9/06/96	9/03/96	9/06/96
Phthalates in µg/kg (dry)								
Bis(2-ethylhexyl)phthalate			210 E			83 E		160 E
Butyl benzyl phthalate			93 UE			96 UE		23 E
Di-n-butyl phthalate			72 UE			74 UE		24 E
Di-n-octyl phthalate			87 UE			89 UE		73 UE
Diethyl phthalate			120 UE			130 UE		100 UE
Dimethyl phthalate			100 UE			110 UE		88 UE
Phthalates in mg/kg (OC)								
Bis(2-ethylhexyl)phthalate			7.50 E			2.86 E		6.96 E
Butyl benzyl phthalate			3.32 UE			3.31 UE		1.00 E
Di-n-butyl phthalate			2.57 UE			2.55 UE		1.04 E
Di-n-octyl phthalate			3.11 UE			3.07 UE		3.17 UE
Diethyl phthalate			4.29 UE			4.48 UE		4.35 UE
Dimethyl phthalate			3.57 UE			3.79 UE		3.83 UE
PCBs in µg/kg (dry)								
PCB-1221			150 U			160 U		130 U
PCB-1232			150 U			160 U		130 U
PCB-1016			150 U			160 U		130 U
PCB-1242			150 U			160 U		130 U
PCB-1248			150 U			160 U		130 U
PCB-1254			150 U			160 U		130 U
PCB-1260			150 U			160 U		130 U
Total PCBs			150 U			160 U		130 U
PCBs in mg/kg (OC)								
PCB-1221			5.36 U			5.52 U		5.65 U
PCB-1232			5.36 U			5.52 U		5.65 U
PCB-1016			5.36 U			5.52 U		5.65 U
PCB-1242			5.36 U			5.52 U		5.65 U
PCB-1248			5.36 U			5.52 U		5.65 U
PCB-1254			5.36 U			5.52 U		5.65 U
PCB-1260			5.36 U			5.52 U		5.65 U
Total PCBs			5.36 U			5.52 U		5.65 U
Phenols in µg/kg (dry)								
2,4-Dimethylphenol			23 UE			24 UE		2.3 E
2-Methylphenol			9.1 E			13 E		3 E
4-Methylphenol			1600 E			1900 E		870 E
Pentachlorophenol			6.5 E			4.7 E		8.2 E
Phenol			900 E			2200 E		1000 E
Total Phenols(detects only)			2516			4118		1884

Table B-1 - Analytical Results for Surface Sediment Samples

Lab-ID	9609011-6	9609011-7	9609011-8	9609011-9	9609011-10	9609011-11	9609011-12	9609011-13
Sample-ID	HC-SS-09	HC-SS-10	HC-SS-11	HC-SS-12	HC-SS-13	HC-SS-14	HC-SS-15	HC-SS-16
Depth	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft
Sampling Date	9/03/96	9/03/96	9/03/96	9/03/96	9/04/96	9/04/96	9/04/96	9/04/96
Conventionals in pct. (dry)								
Moisture	64	66	61	56	60	70	60	58
Total Organic Carbon	2.4	2.4	2	2.2	2.2	2.6	2.3	2
Metals in mg/kg (dry)								
Arsenic								
Cadmium								
Chromium								
Copper								
Lead								
Mercury	0.5	0.44	0.47	0.23 U	1	0.77	0.67	0.47
Silver								
Zinc								
HPAHs in µg/kg (dry)								
Benz(a)anthracene								
Benzo(a)pyrene								
Benzo(b)fluoranthene								
Benzo(ghi)perylene								
Benzo(k)fluoranthene								
Chrysene								
Dibenz(a,h)anthracene								
Fluoranthene								
Indeno(1,2,3-cd)pyrene								
Pyrene								
Total benzofluoranthenes								
Total HPAHs								
HPAHs in mg/kg (OC)								
Benz(a)anthracene								
Benzo(a)pyrene								
Benzo(b)fluoranthene								
Benzo(ghi)perylene								
Benzo(k)fluoranthene								
Chrysene								
Dibenz(a,h)anthracene								
Fluoranthene								
Indeno(1,2,3-cd)pyrene								
Pyrene								
Total benzofluoranthenes								
Total HPAHs								

Table B-1 - Analytical Results for Surface Sediment Samples

Lab-ID	9609011-6	9609011-7	9609011-8	9609011-9	9609011-10	9609011-11	9609011-12	9609011-13
Sample-ID	HC-SS-09	HC-SS-10	HC-SS-11	HC-SS-12	HC-SS-13	HC-SS-14	HC-SS-15	HC-SS-16
Depth	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft
Sampling Date	9/03/96	9/03/96	9/03/96	9/03/96	9/04/96	9/04/96	9/04/96	9/04/96
LPAHs in µg/kg (dry)								
2-Methylnaphthalene								
Acenaphthene								
Acenaphthylene								
Anthracene								
Fluorene								
Naphthalene								
Phenanthrene								
Total LPAHs								
LPAHs in mg/kg (OC)								
2-Methylnaphthalene								
Acenaphthene								
Acenaphthylene								
Anthracene								
Fluorene								
Naphthalene								
Phenanthrene								
Total LPAHs								
Semivolatiles in µg/kg (dry)								
1,2,4-Trichlorobenzene								
1,2-Dichlorobenzene								
1,4-Dichlorobenzene								
Benzoic Acid								
Benzyl Alcohol								
Dibenzofuran								
Hexachlorobenzene								
Hexachlorobutadiene								
N-Nitroso diphenylamine								
Semivolatiles in mg/kg (OC)								
1,2,4-Trichlorobenzene								
1,2-Dichlorobenzene								
1,4-Dichlorobenzene								
Benzoic Acid								
Benzyl Alcohol								
Dibenzofuran								
Hexachlorobenzene								
Hexachlorobutadiene								
N-Nitroso diphenylamine								

Table B-1 - Analytical Results for Surface Sediment Samples

Lab-ID	9609011-6	9609011-7	9609011-8	9609011-9	9609011-10	9609011-11	9609011-12	9609011-13
Sample-ID	HC-SS-09	HC-SS-10	HC-SS-11	HC-SS-12	HC-SS-13	HC-SS-14	HC-SS-15	HC-SS-16
Depth	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft
Sampling Date	9/03/96	9/03/96	9/03/96	9/03/96	9/04/96	9/04/96	9/04/96	9/04/96
Phthalates in µg/kg (dry)								
Bis(2-ethylhexyl)phthalate								
Butyl benzyl phthalate								
Di-n-butyl phthalate								
Di-n-octyl phthalate								
Diethyl phthalate								
Dimethyl phthalate								
Phthalates in mg/kg (OC)								
Bis(2-ethylhexyl)phthalate								
Butyl benzyl phthalate								
Di-n-butyl phthalate								
Di-n-octyl phthalate								
Diethyl phthalate								
Dimethyl phthalate								
PCBs in µg/kg (dry)								
PCB-1221								
PCB-1232								
PCB-1016								
PCB-1242								
PCB-1248								
PCB-1254								
PCB-1260								
Total PCBs								
PCBs in mg/kg (OC)								
PCB-1221								
PCB-1232								
PCB-1016								
PCB-1242								
PCB-1248								
PCB-1254								
PCB-1260								
Total PCBs								
Phenols in µg/kg (dry)								
2,4-Dimethylphenol								
2-Methylphenol								
4-Methylphenol								
Pentachlorophenol								
Phenol								
Total Phenols(detects only)								

Table B-1 - Analytical Results for Surface Sediment Samples

Lab-ID	9609011-14	9609011-15	9609021-11	9609011-16	9609021-12	9609021-8	9609021-6	9609021-7
Sample-ID	HC-SS-17	HC-SS-18	HC-SS-19	HC-SS-20	HC-SS-21	HC-SS-22	HC-SS-23	HC-SS-24
Depth	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft
Sampling Date	9/04/96	9/04/96	9/06/96	9/04/96	9/06/96	9/06/96	9/06/96	9/06/96
Conventionals in pct. (dry)								
Moisture	59	58	64	64	63	67	59	60
Total Organic Carbon	2.1	2.2	2.6	3.4	3.7	2.7	3	4
Metals in mg/kg (dry)								
Arsenic			11	11	11	11	9.9	10
Cadmium			1.4 U	1.4 U	1.4 U	1.5 U	1.3	1.3 U
Chromium			67 E	72	66 E	61 E	69 E	54 E
Copper			52	61	56	51	56	55
Lead			15	22	19	14	21	18
Mercury	0.58	0.38	0.62	0.44	1.2	0.93	2	1.9
Silver			1.4 U	1.4 U	1.4 U	1.5 U	1.3 U	1.3 U
Zinc			95	110	100	90	100	92
HPAHs in µg/kg (dry)								
Benz(a)anthracene								
Benzo(a)pyrene								
Benzo(b)fluoranthene								
Benzo(ghi)perylene								
Benzo(k)fluoranthene								
Chrysene								
Dibenz(a,h)anthracene								
Fluoranthene								
Indeno(1,2,3-cd)pyrene								
Pyrene								
Total benzofluoranthenes								
Total HPAHs								
HPAHs in mg/kg (OC)								
Benz(a)anthracene								
Benzo(a)pyrene								
Benzo(b)fluoranthene								
Benzo(ghi)perylene								
Benzo(k)fluoranthene								
Chrysene								
Dibenz(a,h)anthracene								
Fluoranthene								
Indeno(1,2,3-cd)pyrene								
Pyrene								
Total benzofluoranthenes								
Total HPAHs								

Table B-1 - Analytical Results for Surface Sediment Samples

Lab-ID	9609011-14	9609011-15	9609021-11	9609011-16	9609021-12	9609021-8	9609021-6	9609021-7
Sample-ID	HC-SS-17	HC-SS-18	HC-SS-19	HC-SS-20	HC-SS-21	HC-SS-22	HC-SS-23	HC-SS-24
Depth	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft
Sampling Date	9/04/96	9/04/96	9/06/96	9/04/96	9/06/96	9/06/96	9/06/96	9/06/96
LPAHs in µg/kg (dry)								
2-Methylnaphthalene								
Acenaphthene								
Acenaphthylene								
Anthracene								
Fluorene								
Naphthalene								
Phenanthrene								
Total LPAHs								
LPAHs in mg/kg (OC)								
2-Methylnaphthalene								
Acenaphthene								
Acenaphthylene								
Anthracene								
Fluorene								
Naphthalene								
Phenanthrene								
Total LPAHs								
Semivolatiles in µg/kg (dry)								
1,2,4-Trichlorobenzene								
1,2-Dichlorobenzene								
1,4-Dichlorobenzene								
Benzoic Acid								
Benzyl Alcohol								
Dibenzofuran								
Hexachlorobenzene								
Hexachlorobutadiene								
N-Nitroso diphenylamine								
Semivolatiles in mg/kg (OC)								
1,2,4-Trichlorobenzene								
1,2-Dichlorobenzene								
1,4-Dichlorobenzene								
Benzoic Acid								
Benzyl Alcohol								
Dibenzofuran								
Hexachlorobenzene								
Hexachlorobutadiene								
N-Nitroso diphenylamine								

Table B-1 - Analytical Results for Surface Sediment Samples

Lab-ID	9609011-14	9609011-15	9609021-11	9609011-16	9609021-12	9609021-8	9609021-6	9609021-7
Sample-ID	HC-SS-17	HC-SS-18	HC-SS-19	HC-SS-20	HC-SS-21	HC-SS-22	HC-SS-23	HC-SS-24
Depth	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft
Sampling Date	9/04/96	9/04/96	9/06/96	9/04/96	9/06/96	9/06/96	9/06/96	9/06/96
Phthalates in µg/kg (dry)								
Bis(2-ethylhexyl)phthalate								
Butyl benzyl phthalate								
Di-n-butyl phthalate								
Di-n-octyl phthalate								
Diethyl phthalate								
Dimethyl phthalate								
Phthalates in mg/kg (OC)								
Bis(2-ethylhexyl)phthalate								
Butyl benzyl phthalate								
Di-n-butyl phthalate								
Di-n-octyl phthalate								
Diethyl phthalate								
Dimethyl phthalate								
PCBs in µg/kg (dry)								
PCB-1221								
PCB-1232								
PCB-1016								
PCB-1242								
PCB-1248								
PCB-1254								
PCB-1260								
Total PCBs								
PCBs in mg/kg (OC)								
PCB-1221								
PCB-1232								
PCB-1016								
PCB-1242								
PCB-1248								
PCB-1254								
PCB-1260								
Total PCBs								
Phenols in µg/kg (dry)								
2,4-Dimethylphenol								
2-Methylphenol								
4-Methylphenol								
Pentachlorophenol								
Phenol								
Total Phenols(detects only)								

Table B-1 - Analytical Results for Surface Sediment Samples

Lab-ID	9609021-9	9609021-10	9609021-3	9609011-17	9609021-5	9609024-2	9609024-1	9609024-3
Sample-ID	HC-SS-25	HC-SS-202	HC-SS-26	HC-SS-27	HC-SS-28	HC-SS-29	HC-SS-30	HC-SS-203
Depth	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft
Sampling Date	9/06/96	9/06/96 Dup of HC-SS-25	9/05/96	9/04/96	9/06/96	9/06/96	9/06/96	9/06/96 Dup ofHC-SS-30
Conventionals in pct. (dry)								
Moisture	62	61	46	36	65	62	63	64
Total Organic Carbon	4.1	4.4	3.9	2.7	3.8	4.4	2.4	2.6
Metals in mg/kg (dry)								
Arsenic	11	11	7.1		10	8.8	8.4	7.7
Cadmium	1.3 U	1.3 U	0.94 U		1.7	1.4	1.4 U	1.4 U
Chromium	57 E	59 E	35 E		84 E	57	72	71
Copper	53	58	29		83	58	61	59
Lead	16	16	8		43	23	16	15
Mercury	1	1.1	0.38	0.23	0.47	0.7	0.49	0.55
Silver	1.3 U	1.3 U	0.94 U		1.5 U	1.4 U	1.4 U	1.4 U
Zinc	88	93	51		160	120	110	110
HPAHs in µg/kg (dry)								
Benz(a)anthracene						240 E	150 E	100 E
Benzo(a)pyrene						220 E	82 E	63 E
Benzo(b)fluoranthene						220 E	110 E	100 E
Benzo(ghi)perylene						240 E	68 E	52 E
Benzo(k)fluoranthene						230 E	110 E	74 E
Chrysene						410 E	240 E	210 E
Dibenz(a,h)anthracene						88 E	83 UE	86 UE
Fluoranthene						630 E	300 E	260 E
Indeno(1,2,3-cd)pyrene						200 E	58 E	46 E
Pyrene						950 E	320 E	270 E
Total benzofluoranthenes						450	220	174
Total HPAHs						3428	1438	1175
HPAHs in mg/kg (OC)								
Benz(a)anthracene						5.45 E	6.25 E	3.85 E
Benzo(a)pyrene						5.00 E	3.42 E	2.42 E
Benzo(b)fluoranthene						5.00 E	4.58 E	3.85 E
Benzo(ghi)perylene						5.45 E	2.83 E	2.00 E
Benzo(k)fluoranthene						5.23 E	4.58 E	2.85 E
Chrysene						9.32 E	10.00 E	8.08 E
Dibenz(a,h)anthracene						2.00 E	3.46 UE	3.31 UE
Fluoranthene						14.32 E	12.50 E	10.00 E
Indeno(1,2,3-cd)pyrene						4.55 E	2.42 E	1.77 E
Pyrene						21.59 E	13.33 E	10.38 E
Total benzofluoranthenes						10.23	9.17	6.69
Total HPAHs						77.91	59.92	45.19

Table B-1 - Analytical Results for Surface Sediment Samples

Lab-ID	9609021-9	9609021-10	9609021-3	9609011-17	9609021-5	9609024-2	9609024-1	9609024-3
Sample-ID	HC-SS-25	HC-SS-202	HC-SS-26	HC-SS-27	HC-SS-28	HC-SS-29	HC-SS-30	HC-SS-203
Depth	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft
Sampling Date	9/06/96	9/06/96 Dup of HC-SS-25	9/05/96	9/04/96	9/06/96	9/06/96	9/06/96	9/06/96 Dup ofHC-SS-30
LPAHs in µg/kg (dry)								
2-Methylnaphthalene						120 E	15 E	46 UE
Acenaphthene						62 E	46 UE	47 UE
Acenaphthylene						40 E	41 UE	42 UE
Anthracene						130 E	50 E	39 E
Fluorene						93 E	24 E	27 E
Naphthalene						410 E	42 E	47 UE
Phenanthrene						470 E	140 E	150 E
Total LPAHs						1205	256	216
LPAHs in mg/kg (OC)								
2-Methylnaphthalene						2.73 E	0.63 E	1.77 UE
Acenaphthene						1.41 E	1.92 UE	1.81 UE
Acenaphthylene						0.91 E	1.71 UE	1.62 UE
Anthracene						2.95 E	2.08 E	1.50 E
Fluorene						2.11 E	1.00 E	1.04 E
Naphthalene						9.32 E	1.75 E	1.81 UE
Phenanthrene						10.68 E	5.83 E	5.77 E
Total LPAHs						27.39	10.67	8.31
Semivolatiles in µg/kg (dry)								
1,2,4-Trichlorobenzene						41 UE	42 UE	43 UE
1,2-Dichlorobenzene						48 UE	49 UE	51 UE
1,4-Dichlorobenzene						44 UE	45 UE	46 UE
Benzoic Acid						230 UE	260 UE	240 UE
Benzyl Alcohol						12 E	49 E	31 E
Dibenzofuran						79 E	20 E	19 E
Hexachlorobenzene						4.4 U	4.5 U	4.6 U
Hexachlorobutadiene						4.4 U	4.5 U	4.6 U
N-Nitroso diphenylamine						54 UE	55 UE	57 UE
Semivolatiles in mg/kg (OC)								
1,2,4-Trichlorobenzene						0.93 UE	1.75 UE	1.65 UE
1,2-Dichlorobenzene						1.09 UE	2.04 UE	1.96 UE
1,4-Dichlorobenzene						1.00 UE	1.88 UE	1.77 UE
Benzoic Acid						5.23 UE	10.83 UE	9.23 UE
Benzyl Alcohol						0.27 E	2.04 E	1.19 E
Dibenzofuran						1.80 E	0.83 E	0.73 E
Hexachlorobenzene						0.10 U	0.19 U	0.18 U
Hexachlorobutadiene						0.10 U	0.19 U	0.18 U
N-Nitroso diphenylamine						1.23 UE	2.29 UE	2.19 UE

Table B-1 - Analytical Results for Surface Sediment Samples

Lab-ID	9609021-9	9609021-10	9609021-3	9609011-17	9609021-5	9609024-2	9609024-1	9609024-3
Sample-ID	HC-SS-25	HC-SS-202	HC-SS-26	HC-SS-27	HC-SS-28	HC-SS-29	HC-SS-30	HC-SS-203
Depth	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft
Sampling Date	9/06/96	9/06/96 Dup of HC-SS-25	9/05/96	9/04/96	9/06/96	9/06/96	9/06/96	9/06/96 Dup ofHC-SS-30
Phthalates in µg/kg (dry)								
Bis(2-ethylhexyl)phthalate						230 E	100 E	110 E
Butyl benzyl phthalate						81 UE	18 E	85 UE
Di-n-butyl phthalate						24 E	26 E	66 UE
Di-n-octyl phthalate						75 UE	77 UE	79 UE
Diethyl phthalate						110 UE	110 UE	110 UE
Dimethyl phthalate						90 UE	92 UE	95 UE
Phthalates in mg/kg (OC)								
Bis(2-ethylhexyl)phthalate						5.23 E	4.17 E	4.23 E
Butyl benzyl phthalate						1.84 UE	0.75 E	3.27 UE
Di-n-butyl phthalate						0.55 E	1.08 E	2.54 UE
Di-n-octyl phthalate						1.70 UE	3.21 UE	3.04 UE
Diethyl phthalate						2.50 UE	4.58 UE	4.23 UE
Dimethyl phthalate						2.05 UE	3.83 UE	3.65 UE
PCBs in µg/kg (dry)								
PCB-1221						130 U	140 U	140 U
PCB-1232						130 U	140 U	140 U
PCB-1016						130 U	140 U	140 U
PCB-1242						130 U	140 U	140 U
PCB-1248						130 U	140 U	140 U
PCB-1254						130 U	140 U	140 U
PCB-1260						130 U	140 U	140 U
Total PCBs						130 U	140 U	140 U
PCBs in mg/kg (OC)								
PCB-1221						2.95 U	5.83 U	5.38 U
PCB-1232						2.95 U	5.83 U	5.38 U
PCB-1016						2.95 U	5.83 U	5.38 U
PCB-1242						2.95 U	5.83 U	5.38 U
PCB-1248						2.95 U	5.83 U	5.38 U
PCB-1254						2.95 U	5.83 U	5.38 U
PCB-1260						2.95 U	5.83 U	5.38 U
Total PCBs						2.95 U	5.83 U	5.38 U
Phenols in µg/kg (dry)								
2,4-Dimethylphenol						6.3 E	2.1 E	42 UE
2-Methylphenol						8 E	3.9 E	17 E
4-Methylphenol						410 E	680 E	1100 E
Pentachlorophenol						100 E	24 E	19 E
Phenol						1000 E	1300 E	1500 E
Total Phenols(detects only)						1524	2010	2636

Table B-1 - Analytical Results for Surface Sediment Samples

Lab-ID	9609021-13	9609021-4	9609024-7	9609024-8	9609012-1	9609012-6	9609012-2	9609012-7
Sample-ID	HC-SS-31	HC-SS-32	HC-SS-33	HC-SS-34	HC-SS-35	HC-SS-36	HC-SS-37	HC-SS-38
Depth	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft
Sampling Date	9/09/96	9/05/96	9/09/96	9/09/96	9/03/96	9/05/96	9/03/96	9/09/96
Conventionals in pct. (dry)								
Moisture	67	45	60	52	67	51	56	48
Total Organic Carbon	2.9	3.9	3.5	3.8	3.5	1.8	3.5	3.6
Metals in mg/kg (dry)								
Arsenic	8.6	5.7	6	6.4	11 E	9.5 E	9.5 E	6.3 E
Cadmium	1.6 U	0.92 U	1.3 U	1.1	1.6	1.2	1.4	0.89
Chromium	75 E	24 E	27	33	65	48	53	29
Copper	54	26	36	43	85	53	110	38
Lead	14	14	11	31	38	27	37	57
Mercury	0.37	0.73	0.89	1.5	0.73	0.5	0.43	0.19 U
Silver	1.6 U	0.92 U	1.3 U	1.1 U	1.4 U	0.92 U	1.1 U	1.2
Zinc	100	48	54	78	150	110	160	140
HPAHs in µg/kg (dry)								
Benz(a)anthracene			79	170	130	100	300	420
Benzo(a)pyrene			51	110	98	71	220	440
Benzo(b)fluoranthene			160 C	150	250 C	170 C	510 C	860 C
Benzo(ghi)perylene			39 E	96	110	68	220	400
Benzo(k)fluoranthene			160 C	94	250 C	170 C	510 C	860 C
Chrysene			200	200	210	150	480	630
Dibenz(a,h)anthracene			77 U	35 E	55 E	49	92	180
Fluoranthene			320	430	260	190	580	910
Indeno(1,2,3-cd)pyrene			36 E	75	95	60	190	360
Pyrene			340	600	270	240	680	960
Total benzofluoranthenes			160	244	250	170	510	860
Total HPAHs			1225	1960	1478	1098	3272	5160
HPAHs in mg/kg (OC)								
Benz(a)anthracene			2.26	4.47	3.71	5.56	8.57	11.67
Benzo(a)pyrene			1.46	2.89	2.80	3.94	6.29	12.22
Benzo(b)fluoranthene			4.57 C	3.95	7.14 C	9.44 C	14.57 C	23.89 C
Benzo(ghi)perylene			1.11 E	2.53	3.14	3.78	6.29	11.11
Benzo(k)fluoranthene			4.57 C	2.47	7.14 C	9.44 C	14.57 C	23.89 C
Chrysene			5.71	5.26	6.00	8.33	13.71	17.50
Dibenz(a,h)anthracene			2.20 U	0.92 E	1.57 E	2.72	2.63	5.00
Fluoranthene			9.14	11.32	7.43	10.56	16.57	25.28
Indeno(1,2,3-cd)pyrene			1.03 E	1.97	2.71	3.33	5.43	10.00
Pyrene			9.71	15.79	7.71	13.33	19.43	26.67
Total benzofluoranthenes			4.57	6.42	7.14	9.44	14.57	23.89
Total HPAHs			35.00	51.58	42.23	61.00	93.49	143.33

Table B-1 - Analytical Results for Surface Sediment Samples

Lab-ID	9609021-13	9609021-4	9609024-7	9609024-8	9609012-1	9609012-6	9609012-2	9609012-7
Sample-ID	HC-SS-31	HC-SS-32	HC-SS-33	HC-SS-34	HC-SS-35	HC-SS-36	HC-SS-37	HC-SS-38
Depth	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft
Sampling Date	9/09/96	9/05/96	9/09/96	9/09/96	9/03/96	9/05/96	9/03/96	9/09/96
LPAHs in µg/kg (dry)								
2-Methylnaphthalene			10 E	93	29 E	25 E	280	30 E
Acenaphthene			42 U	49	51 U	20 E	72	41
Acenaphthylene			38 U	20 E	46 U	31 U	17 E	9.5 E
Anthracene			26 E	110	50 E	38	240	140
Fluorene			15 E	92	24 E	27 E	140	66
Naphthalene			43 U	200	52 U	61	240	51
Phenanthrene			72	310	160	120	450	550
Total LPAHs			113	781	234	266	1159	857.5
LPAHs in mg/kg (OC)								
2-Methylnaphthalene			0.29 E	2.45	0.83 E	1.39 E	8.00	0.83 E
Acenaphthene			1.20 U	1.29	1.46 U	1.11 E	2.06	1.14
Acenaphthylene			1.09 U	0.53 E	1.31 U	1.72 U	0.49 E	0.26 E
Anthracene			0.74 E	2.89	1.43 E	2.11	6.86	3.89
Fluorene			0.43 E	2.42	0.69 E	1.50 E	4.00	1.83
Naphthalene			1.23 U	5.26	1.49 U	3.39	6.86	1.42
Phenanthrene			2.06	8.16	4.57	6.67	12.86	15.28
Total LPAHs			3.23	20.55	6.69	14.78	33.11	23.82
Semivolatiles in µg/kg (dry)								
1,2,4-Trichlorobenzene			39 U	8.9 E	47 U	31 U	35 U	30 U
1,2-Dichlorobenzene			46 U	23 E	55 U	37 U	41 U	35 U
1,4-Dichlorobenzene			41 U	20 E	50 U	34 U	38 U	32 U
Benzoic Acid			180 UE	160 UE	390 U	180 UE	340 U	350 U
Benzyl Alcohol			4.6 E	4.2 E	19 E	9.5 E	30 E	55
Dibenzofuran			12 E	83	22 E	22 E	120	37
Hexachlorobenzene			4.2 U	20	11	3.4 U	3.8 U	3.2 U
Hexachlorobutadiene			4.2 U	3.5 U	5.1 U	3.4 U	3.8 U	3.2 U
N-Nitroso diphenylamine			51 U	43 U	62 U	42 U	47 U	39 U
Semivolatiles in mg/kg (OC)								
1,2,4-Trichlorobenzene			1.11 U	0.23 E	1.34 U	1.72 U	1.00 U	0.83 U
1,2-Dichlorobenzene			1.31 U	0.61 E	1.57 U	2.06 U	1.17 U	0.97 U
1,4-Dichlorobenzene			1.17 U	0.53 E	1.43 U	1.89 U	1.09 U	0.89 U
Benzoic Acid			5.14 UE	4.21 UE	11.14 U	10.00 UE	9.71 U	9.72 U
Benzyl Alcohol			0.13 E	0.11 E	0.54 E	0.53 E	0.86 E	1.53
Dibenzofuran			0.34 E	2.18	0.63 E	1.22 E	3.43	1.03
Hexachlorobenzene			0.12 U	0.53	0.31	0.19 U	0.11 U	0.09 U
Hexachlorobutadiene			0.12 U	0.09 U	0.15 U	0.19 U	0.11 U	0.09 U
N-Nitroso diphenylamine			1.46 U	1.13 U	1.77 U	2.33 U	1.34 U	1.08 U

Table B-1 - Analytical Results for Surface Sediment Samples

Lab-ID	9609021-13	9609021-4	9609024-7	9609024-8	9609012-1	9609012-6	9609012-2	9609012-7
Sample-ID	HC-SS-31	HC-SS-32	HC-SS-33	HC-SS-34	HC-SS-35	HC-SS-36	HC-SS-37	HC-SS-38
Depth	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft
Sampling Date	9/09/96	9/05/96	9/09/96	9/09/96	9/03/96	9/05/96	9/03/96	9/09/96
Phthalates in µg/kg (dry)								
Bis(2-ethylhexyl)phthalate			74	1300	340	150	590	1400
Butyl benzyl phthalate			77 U	64 U	32 E	15 E	46 E	62
Di-n-butyl phthalate			59 U	49 U	72 U	48 U	54 U	34 E
Di-n-octyl phthalate			72 U	60 U	87 U	58 U	65 U	100
Diethyl phthalate			100 U	84 U	120 U	82 U	91 U	77 U
Dimethyl phthalate			86 U	71 U	30 E	11 E	75 E	66 U
Phthalates in mg/kg (OC)								
Bis(2-ethylhexyl)phthalate			2.11	34.21	9.71	8.33	16.86	38.89
Butyl benzyl phthalate			2.20 U	1.68 U	0.91 E	0.83 E	1.31 E	1.72
Di-n-butyl phthalate			1.69 U	1.29 U	2.06 U	2.67 U	1.54 U	0.94 E
Di-n-octyl phthalate			2.06 U	1.58 U	2.49 U	3.22 U	1.86 U	2.78
Diethyl phthalate			2.86 U	2.21 U	3.43 U	4.56 U	2.60 U	2.14 U
Dimethyl phthalate			2.46 U	1.87 U	0.86 E	0.61 E	2.14 E	1.83 U
PCBs in µg/kg (dry)								
PCB-1221			130 U	100 U	150 U	100 U	110 U	96 U
PCB-1232			130 U	100 U	150 U	100 U	110 U	96 U
PCB-1016			130 U	100 U	150 U	100 U	110 U	96 U
PCB-1242			130 U	100 U	150 U	100 U	110 U	96 U
PCB-1248			130 U	100 U	150 U	100 U	110 U	96 U
PCB-1254			130 U	80 E	150 U	100 U	110 U	96 U
PCB-1260			130 U	100 U	150 U	100 U	110 U	96 U
Total PCBs			130 U	80 E	150 U	100 U	110 U	96 U
PCBs in mg/kg (OC)								
PCB-1221			3.71 U	2.63 U	4.29 U	5.56 U	3.14 U	2.67 U
PCB-1232			3.71 U	2.63 U	4.29 U	5.56 U	3.14 U	2.67 U
PCB-1016			3.71 U	2.63 U	4.29 U	5.56 U	3.14 U	2.67 U
PCB-1242			3.71 U	2.63 U	4.29 U	5.56 U	3.14 U	2.67 U
PCB-1248			3.71 U	2.63 U	4.29 U	5.56 U	3.14 U	2.67 U
PCB-1254			3.71 U	2.11 E	4.29 U	5.56 U	3.14 U	2.67 U
PCB-1260			3.71 U	2.63 U	4.29 U	5.56 U	3.14 U	2.67 U
Total PCBs			3.71 U	2.11 E	4.29 U	5.56 U	3.14 U	2.67 U
Phenols in µg/kg (dry)								
2,4-Dimethylphenol			2.3 E	4.2 E	23 U	1.7 E	10 E	29 U
2-Methylphenol			3.2 E	7.4 E	4.1 E	2.1 E	7.1 E	6.7 E
4-Methylphenol			200	870	340	320	630	95
Pentachlorophenol			5.9 E	14 E	38 E	20 E	35 E	35 E
Phenol			270	230	1500	880	900	29 U
Total Phenols(detects only)			481.4	1126	1882	1224	1582	136.7

Table B-1 - Analytical Results for Surface Sediment Samples

Lab-ID	9609012-8	9609022-2	9609021-2	9609021-1	9609011-18	9609022-1	9609011-19	9609012-3
Sample-ID	HC-SS-39	HC-SS-40	HC-SS-41	HC-SS-204	HC-SS-42	HC-SS-43	HC-SS-44	HC-SS-45
Depth	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft
Sampling Date	9/09/96	9/05/96	9/05/96	9/05/96 Dup of HC-SS-41	9/05/96	9/05/96	9/05/96	9/04/96
Conventionals in pct. (dry)								
Moisture	50	60	28	23	53	33	69	60
Total Organic Carbon	2.9	6	1.5	1.4	2.4	1.4	2.7	3.4
Metals in mg/kg (dry)								
Arsenic	7.2 E		3	2.6				11 E
Cadmium	0.99 U		0.7 U	0.66 U				1.6
Chromium	26		10 E	9.5 E				71
Copper	34		10	8.6				73
Lead	48		4.2 U	3.9 U				19
Mercury	0.2 U	11.8	0.13 U	0.13 U	0.42	0.15 U	0.59	0.36
Silver	2.9		0.7 U	0.66 U				1.2 U
Zinc	130		20	19				130
HPAHs in µg/kg (dry)								
Benz(a)anthracene	240							180
Benzo(a)pyrene	280							110
Benzo(b)fluoranthene	580 C							290 C
Benzo(ghi)perylene	320							76 E
Benzo(k)fluoranthene	580 C							290 C
Chrysene	340							300
Dibenz(a,h)anthracene	130							45 E
Fluoranthene	600							350
Indeno(1,2,3-cd)pyrene	270							76
Pyrene	700							340
Total benzofluoranthenes	580							290
Total HPAHs	3460							1767
HPAHs in mg/kg (OC)								
Benz(a)anthracene	8.28							5.29
Benzo(a)pyrene	9.66							3.24
Benzo(b)fluoranthene	20.00 C							8.53 C
Benzo(ghi)perylene	11.03							2.24 E
Benzo(k)fluoranthene	20.00 C							8.53 C
Chrysene	11.72							8.82
Dibenz(a,h)anthracene	4.48							1.32 E
Fluoranthene	20.69							10.29
Indeno(1,2,3-cd)pyrene	9.31							2.24
Pyrene	24.14							10.00
Total benzofluoranthenes	20.00							8.53
Total HPAHs	119.31							51.97

Table B-1 - Analytical Results for Surface Sediment Samples

Lab-ID	9609012-8	9609022-2	9609021-2	9609021-1	9609011-18	9609022-1	9609011-19	9609012-3
Sample-ID	HC-SS-39	HC-SS-40	HC-SS-41	HC-SS-204	HC-SS-42	HC-SS-43	HC-SS-44	HC-SS-45
Depth	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft
Sampling Date	9/09/96	9/05/96	9/05/96	9/05/96	9/05/96	9/05/96	9/05/96	9/04/96
				Dup of HC-SS-41				
LPAHs in µg/kg (dry)								
2-Methylnaphthalene	68							32 E
Acenaphthene	29 E							16 E
Acenaphthylene	31 U							38 U
Anthracene	95							53
Fluorene	40							32 E
Naphthalene	72							52
Phenanthrene	390							150
Total LPAHs	626							303
LPAHs in mg/kg (OC)								
2-Methylnaphthalene	2.34							0.94 E
Acenaphthene	1.00 E							0.47 E
Acenaphthylene	1.07 U							1.12 U
Anthracene	3.28							1.56
Fluorene	1.38							0.94 E
Naphthalene	2.48							1.53
Phenanthrene	13.45							4.41
Total LPAHs	21.59							8.91
Semivolatiles in µg/kg (dry)								
1,2,4-Trichlorobenzene	31 U							39 U
1,2-Dichlorobenzene	36 U							46 U
1,4-Dichlorobenzene	33 U							41 U
Benzoic Acid	59 UE							230 UE
Benzyl Alcohol	23 E							5.7 E
Dibenzofuran	30 E							31 E
Hexachlorobenzene	3.3 U							4.2 U
Hexachlorobutadiene	3.3 U							4.2 U
N-Nitroso diphenylamine	41 U							51 U
Semivolatiles in mg/kg (OC)								
1,2,4-Trichlorobenzene	1.07 U							1.15 U
1,2-Dichlorobenzene	1.24 U							1.35 U
1,4-Dichlorobenzene	1.14 U							1.21 U
Benzoic Acid	2.03 UE							6.76 UE
Benzyl Alcohol	0.79 E							0.17 E
Dibenzofuran	1.03 E							0.91 E
Hexachlorobenzene	0.11 U							0.12 U
Hexachlorobutadiene	0.11 U							0.12 U
N-Nitroso diphenylamine	1.41 U							1.50 U

Table B-1 - Analytical Results for Surface Sediment Samples

Lab-ID	9609012-8	9609022-2	9609021-2	9609021-1	9609011-18	9609022-1	9609011-19	9609012-3
Sample-ID	HC-SS-39	HC-SS-40	HC-SS-41	HC-SS-204	HC-SS-42	HC-SS-43	HC-SS-44	HC-SS-45
Depth	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft
Sampling Date	9/09/96	9/05/96	9/05/96	9/05/96 Dup of HC-SS-41	9/05/96	9/05/96	9/05/96	9/04/96
Phthalates in µg/kg (dry)								
Bis(2-ethylhexyl)phthalate	974							450
Butyl benzyl phthalate	75							20 E
Di-n-butyl phthalate	39 E							59 U
Di-n-octyl phthalate	57 U							72 U
Diethyl phthalate	47 E							100 U
Dimethyl phthalate	16 E							86 U
Phthalates in mg/kg (OC)								
Bis(2-ethylhexyl)phthalate	33.59							13.24
Butyl benzyl phthalate	2.59							0.59 E
Di-n-butyl phthalate	1.34 E							1.74 U
Di-n-octyl phthalate	1.97 U							2.12 U
Diethyl phthalate	1.62 E							2.94 U
Dimethyl phthalate	0.55 E							2.53 U
PCBs in µg/kg (dry)								
PCB-1221	100 U							130 U
PCB-1232	100 U							130 U
PCB-1016	100 U							130 U
PCB-1242	100 U							130 U
PCB-1248	100 U							130 U
PCB-1254	100 U							130 U
PCB-1260	100 U							130 U
Total PCBs	100 U							130 U
PCBs in mg/kg (OC)								
PCB-1221	3.45 U							3.82 U
PCB-1232	3.45 U							3.82 U
PCB-1016	3.45 U							3.82 U
PCB-1242	3.45 U							3.82 U
PCB-1248	3.45 U							3.82 U
PCB-1254	3.45 U							3.82 U
PCB-1260	3.45 U							3.82 U
Total PCBs	3.45 U							3.82 U
Phenols in µg/kg (dry)								
2,4-Dimethylphenol	2.1 E							14 E
2-Methylphenol	3.3 E							9 E
4-Methylphenol	55							220
Pentachlorophenol	19 E							15 E
Phenol	24 E							1500
Total Phenols(detects only)	103.4							1758

Table B-1 - Analytical Results for Surface Sediment Samples

Lab-ID	9609011-20	9609012-4	9609012-5		
Sample-ID	HC-SS-46	HC-SS-47	HC-SS-48		
Depth	0 to .3 ft	0 to .3 ft	0 to .3 ft	SQS	
Sampling Date	9/05/96	9/04/96	9/05/96	Criteria	MCUL
Conventionals in pct. (dry)					
Moisture	55	50	23		
Total Organic Carbon	2.6	4	0.82		
Metals in mg/kg (dry)					
Arsenic		9.2 E	3.2 E	57	93
Cadmium		1.3	0.59 U	5.1	6.7
Chromium		49	17	260	270
Copper		51	16	390	390
Lead		24	11	450	530
Mercury	0.36	0.29	0.13 U	0.41	0.59
Silver		1 U	0.59 U	6.1	6.1
Zinc		190	51	410	960
HPAHs in µg/kg (dry)					
Benz(a)anthracene		1700	150		
Benzo(a)pyrene		540	170		
Benzo(b)fluoranthene		1400 C	170		
Benzo(ghi)perylene		230	160		
Benzo(k)fluoranthene		1400 C	160		
Chrysene		1900	240		
Dibenz(a,h)anthracene		150	76		
Fluoranthene		5000	390		
Indeno(1,2,3-cd)pyrene		230	150		
Pyrene		4700	390		
Total benzofluoranthenes		1400	330		
Total HPAHs		15850	2056		
HPAHs in mg/kg (OC)					
Benz(a)anthracene		42.50	18.29	110	270
Benzo(a)pyrene		13.50	20.73	99	210
Benzo(b)fluoranthene		35.00 C	20.73		
Benzo(ghi)perylene		5.75	19.51	31	78
Benzo(k)fluoranthene		35.00 C	19.51		
Chrysene		47.50	29.27	110	460
Dibenz(a,h)anthracene		3.75	9.27	12	33
Fluoranthene		125.00	47.56	160	1200
Indeno(1,2,3-cd)pyrene		5.75	18.29	34	88
Pyrene		117.50	47.56	1000	1400
Total benzofluoranthenes		35.00	40.24	230	450
Total HPAHs		396.25	250.73	960	5300

Table B-1 - Analytical Results for Surface Sediment Samples

Lab-ID	9609011-20	9609012-4	9609012-5		
Sample-ID	HC-SS-46	HC-SS-47	HC-SS-48		
Depth	0 to .3 ft	0 to .3 ft	0 to .3 ft	SQS	
Sampling Date	9/05/96	9/04/96	9/05/96	Criteria	MCUL
LPAHs in µg/kg (dry)					
2-Methylnaphthalene		160	56		
Acenaphthene		1600	17 E		
Acenaphthylene		86	9.5 E		
Anthracene		1400	49		
Fluorene		300	33		
Naphthalene		150	61		
Phenanthrene		1200	200		
Total LPAHs		4736	369.5		
LPAHs in mg/kg (OC)					
2-Methylnaphthalene		4.00	6.83	38	64
Acenaphthene		40.00	2.07 E	16	57
Acenaphthylene		2.15	1.16 E	66	66
Anthracene		35.00	5.98	220	1200
Fluorene		7.50	4.02	23	79
Naphthalene		3.75	7.44	99	170
Phenanthrene		30.00	24.39	100	480
Total LPAHs		118.40	45.06	370	780
Semivolatiles in µg/kg (dry)					
1,2,4-Trichlorobenzene		31 U	20 U		
1,2-Dichlorobenzene		36 U	24 U		
1,4-Dichlorobenzene		33 U	21 U		
Benzoic Acid		290 U	89 UE	650	650
Benzyl Alcohol		7.7 E	34 U	57	73
Dibenzofuran		180	40		
Hexachlorobenzene		3.3 U	2.2 U		
Hexachlorobutadiene		3.3 U	2.2 U		
N-Nitroso diphenylamine		41 U	27 U		
Semivolatiles in mg/kg (OC)					
1,2,4-Trichlorobenzene		0.78 U	2.44 U	0.81	1.8
1,2-Dichlorobenzene		0.90 U	2.93 U	2.3	2.3
1,4-Dichlorobenzene		0.83 U	2.56 U	3.1	9
Benzoic Acid		7.25 U	10.85 UE		
Benzyl Alcohol		0.19 E	4.15 U		
Dibenzofuran		4.50	4.88	15	58
Hexachlorobenzene		0.08 U	0.27 U	0.38	2.3
Hexachlorobutadiene		0.08 U	0.27 U	3.9	6.2
N-Nitroso diphenylamine		1.03 U	3.29 U	11	11

Table B-1 - Analytical Results for Surface Sediment Samples

Lab-ID	9609011-20	9609012-4	9609012-5		
Sample-ID	HC-SS-46	HC-SS-47	HC-SS-48		
Depth	0 to .3 ft	0 to .3 ft	0 to .3 ft	SQS	
Sampling Date	9/05/96	9/04/96	9/05/96	Criteria	MCUL
Phthalates in µg/kg (dry)					
Bis(2-ethylhexyl)phthalate		28000	210		
Butyl benzyl phthalate		61 U	15 E		
Di-n-butyl phthalate		47 U	11 E		
Di-n-octyl phthalate		57 U	37 U		
Diethyl phthalate		80 U	52 U		
Dimethyl phthalate		29 E	44 U		
Phthalates in mg/kg (OC)					
Bis(2-ethylhexyl)phthalate		700.00	25.61	47	78
Butyl benzyl phthalate		1.53 U	1.83 E	4.9	64
Di-n-butyl phthalate		1.18 U	1.34 E	220	1700
Di-n-octyl phthalate		1.43 U	4.51 U	58	4500
Diethyl phthalate		2.00 U	6.34 U	61	110
Dimethyl phthalate		0.73 E	5.37 U	53	53
PCBs in µg/kg (dry)					
PCB-1221		100 U	65 U		
PCB-1232		100 U	65 U		
PCB-1016		100 U	65 U		
PCB-1242		100 U	65 U		
PCB-1248		100 U	65 U		
PCB-1254		100 U	65 U		
PCB-1260		130	65 U		
Total PCBs		130	65 U		
PCBs in mg/kg (OC)					
PCB-1221		2.50 U	7.93 U		
PCB-1232		2.50 U	7.93 U		
PCB-1016		2.50 U	7.93 U		
PCB-1242		2.50 U	7.93 U		
PCB-1248		2.50 U	7.93 U		
PCB-1254		2.50 U	7.93 U		
PCB-1260		3.25	7.93 U		
Total PCBs		3.25	7.93 U	12	65
Phenols in µg/kg (dry)					
2,4-Dimethylphenol		16 E	10 E	29	29
2-Methylphenol		11 E	5.9 E	63	63
4-Methylphenol		210	42	670	670
Pentachlorophenol		18 E	10 E	360	690
Phenol		460	72	420	1200
Total Phenols(detects only)		715	139.9		

Table B-2 - Analytical Results for Vibracore Samples and Co-located Surface Sediment Samples

Lab-ID	9609012-12	9609024-19	9609024-20	9609042-2	9609012-13	9609024-15	9609024-16	9609024-17
Sample-ID	HC-SC-70	HC-VC-70-S1	HC-VC-70-S2	HC-VC-70-S3	HC-SC-71	HC-VC-71-S1	HC-VC-71-S2	HC-VC-71-S3
Depth	0 to .3 ft	0 to 1.5 ft	3.7 to 5.8 ft	1.5 to 3.7 ft	0 to .3 ft	0 to 1.6 ft	1.6 to 4.8 ft	6 to 7.6 ft
Sampling Date	9/09/96	9/12/96	9/12/96	9/11/96	9/09/96	9/12/96	9/12/96	9/12/96
Conventionals in pct. (dry)								
Moisture	61	55	47	42	66	57	45	16
Total Organic Carbon	2.2	2	1.2		2.5	2.7	2.6	0.21
Metals in mg/kg (dry)								
Arsenic	17 E	11	9.9		11 E	9.7	8.6	3.6
Cadmium	1.4	1.4	0.97 U		1.5 U	1.3	1.5	0.61 U
Chromium	65	65	52		68	66	54	14
Copper	49	51	46		52	58	55	9.5
Lead	15	17	5.8 U		15	26	65	3.7 U
Mercury	0.88	2.3	0.18 U	0.17 U	0.62	4.3	4.5	0.11 U
Silver	1.2 U	1.1 U	0.97 U		1.5 U	1.2 U	0.95 U	0.61 U
Zinc	95	94	72		100	100	100	19
HPAHs in µg/kg (dry)								
Benz(a)anthracene	63	28 E	41 U		270	270	1200	6 E
Benzo(a)pyrene	56	29 E	36 U		150	130	490	23 U
Benzo(b)fluoranthene	130 C	31 E	45 U		190	150	1200 C	28 U
Benzo(ghi)perylene	60 E	68 U	58 U		64 E	95	280	36 U
Benzo(k)fluoranthene	130 C	29 E	56 U		150	160	1200 C	35 U
Chrysene	110	46 E	42 U		350	380	1500	6.7 E
Dibenz(a,h)anthracene	79 U	68 U	58 U		41 E	56 E	160	7.3 U
Fluoranthene	220	64	35 U		460	430	2400	21 E
Indeno(1,2,3-cd)pyrene	43 E	22 E	56 U		66 E	84	270	35 U
Pyrene	250	110	44 U		440	650	2300	20 E
Total benzofluoranthenes	130	60	56 U		340	310	1200	35 U
Total HPAHs	932	359	58 U		2181	2405	9800	53.7
HPAHs in mg/kg (OC)								
Benz(a)anthracene	2.86	1.40 E	3.42 U		10.80	10.00	46.15	2.86 E
Benzo(a)pyrene	2.55	1.45 E	3.00 U		6.00	4.81	18.85	10.95 U
Benzo(b)fluoranthene	5.91 C	1.55 E	3.75 U		7.60	5.56	46.15 C	13.33 U
Benzo(ghi)perylene	2.73 E	3.40 U	4.83 U		2.56 E	3.52	10.77	17.14 U
Benzo(k)fluoranthene	5.91 C	1.45 E	4.67 U		6.00	5.93	46.15 C	16.67 U
Chrysene	5.00	2.30 E	3.50 U		14.00	14.07	57.69	3.19 E
Dibenz(a,h)anthracene	3.59 U	3.40 U	4.83 U		1.64 E	2.07 E	6.15	3.48 U
Fluoranthene	10.00	3.20	2.92 U		18.40	15.93	92.31	10.00 E
Indeno(1,2,3-cd)pyrene	1.95 E	1.10 E	4.67 U		2.64 E	3.11	10.38	16.67 U
Pyrene	11.36	5.50	3.67 U		17.60	24.07	88.46	9.52 E
Total benzofluoranthenes	5.91	3.00	4.67 U		13.60	11.48	46.15	16.67 U
Total HPAHs	42.36	17.95	4.83 U		87.24	89.07	376.92	25.57

Table B-2 - Analytical Results for Vibracore Samples and Co-located Surface Sediment Samples

Lab-ID	9609012-12	9609024-19	9609024-20	9609042-2	9609012-13	9609024-15	9609024-16	9609024-17
Sample-ID	HC-SC-70	HC-VC-70-S1	HC-VC-70-S2	HC-VC-70-S3	HC-SC-71	HC-VC-71-S1	HC-VC-71-S2	HC-VC-71-S3
Depth	0 to .3 ft	0 to 1.5 ft	3.7 to 5.8 ft	1.5 to 3.7 ft	0 to .3 ft	0 to 1.6 ft	1.6 to 4.8 ft	6 to 7.6 ft
Sampling Date	9/09/96	9/12/96	9/12/96	9/11/96	9/09/96	9/12/96	9/12/96	9/12/96
LPAHs in µg/kg (dry)								
2-Methylnaphthalene	30 E	20 E	31 U		26 E	28 E	160	20 U
Acenaphthene	43 U	38 U	32 U		37 E	36 E	730	20 U
Acenaphthylene	25 E	15 E	29 U		45 U	11 E	39	18 U
Anthracene	35 E	16 E	34 U		140	100	560	21 U
Fluorene	22 E	12 E	37 U		56 E	58	570	23 U
Naphthalene	170	91	32 U		78	95	350	20 U
Phenanthrene	160	68	37 U		240	180	1500	15 E
Total LPAHs	412	202	37 U		551	480	3749	15
LPAHs in mg/kg (OC)								
2-Methylnaphthalene	1.36 E	1.00 E	2.58 U		1.04 E	1.04 E	6.15	9.52 U
Acenaphthene	1.95 U	1.90 U	2.67 U		1.48 E	1.33 E	28.08	9.52 U
Acenaphthylene	1.14 E	0.75 E	2.42 U		1.80 U	0.41 E	1.50	8.57 U
Anthracene	1.59 E	0.80 E	2.83 U		5.60	3.70	21.54	10.00 U
Fluorene	1.00 E	0.60 E	3.08 U		2.24 E	2.15	21.92	10.95 U
Naphthalene	7.73	4.55	2.67 U		3.12	3.52	13.46	9.52 U
Phenanthrene	7.27	3.40	3.08 U		9.60	6.67	57.69	7.14 E
Total LPAHs	18.73	10.10	3.08 U		22.04	17.78	144.19	7.14
Semivolatiles in µg/kg (dry)								
1,2,4-Trichlorobenzene	39 U	34 U	29 U		45 U	36 U	28 U	3.7 U
1,2-Dichlorobenzene	47 U	40 U	34 U		54 U	42 U	33 U	4.3 U
1,4-Dichlorobenzene	42 U	37 U	31 U		49 U	22 E	30 U	3.9 U
Benzoic Acid	160 UE	100 UE	120 UE		170 UE	160 UE	140 UE	51 UE
Benzyl Alcohol	3.5 E	2.2 E	50 U		5.4 E	4.9 E	48 U	31 U
Dibenzofuran	42 E	17 E	33 U		48 E	44	310	21 U
Hexachlorobenzene	4.3 U	4.2	3.1 U		4.9 U	3.9 U	3 U	0.79 U
Hexachlorobutadiene	4.3 U	3.7 U	3.1 U		4.9 U	3.9 U	3 U	0.79 U
N-Nitroso diphenylamine	53 U	46 U	39 U		60 U	48 U	37 U	4.9 U
Semivolatiles in mg/kg (OC)								
1,2,4-Trichlorobenzene	1.77 U	1.70 U	2.42 U		1.80 U	1.33 U	1.08 U	1.76 U
1,2-Dichlorobenzene	2.14 U	2.00 U	2.83 U		2.16 U	1.56 U	1.27 U	2.05 U
1,4-Dichlorobenzene	1.91 U	1.85 U	2.58 U		1.96 U	0.81 E	1.15 U	1.86 U
Benzoic Acid	7.27 UE	5.00 UE	10.00 UE		6.80 UE	5.93 UE	5.38 UE	24.29 UE
Benzyl Alcohol	0.16 E	0.11 E	4.17 U		0.22 E	0.18 E	1.85 U	14.76 U
Dibenzofuran	1.91 E	0.85 E	2.75 U		1.92 E	1.63	11.92	10.00 U
Hexachlorobenzene	0.20 U	0.21	0.26 U		0.20 U	0.14 U	0.12 U	0.38 U
Hexachlorobutadiene	0.20 U	0.19 U	0.26 U		0.20 U	0.14 U	0.12 U	0.38 U
N-Nitroso diphenylamine	2.41 U	2.30 U	3.25 U		2.40 U	1.78 U	1.42 U	2.33 U

Table B-2 - Analytical Results for Vibracore Samples and Co-located Surface Sediment Samples

Lab-ID	9609012-12	9609024-19	9609024-20	9609042-2	9609012-13	9609024-15	9609024-16	9609024-17
Sample-ID	HC-SC-70	HC-VC-70-S1	HC-VC-70-S2	HC-VC-70-S3	HC-SC-71	HC-VC-71-S1	HC-VC-71-S2	HC-VC-71-S3
Depth	0 to .3 ft	0 to 1.5 ft	3.7 to 5.8 ft	1.5 to 3.7 ft	0 to .3 ft	0 to 1.6 ft	1.6 to 4.8 ft	6 to 7.6 ft
Sampling Date	9/09/96	9/12/96	9/12/96	9/11/96	9/09/96	9/12/96	9/12/96	9/12/96
Phthalates in µg/kg (dry)								
Bis(2-ethylhexyl)phthalate	98	74	43		260	43	59	21
Butyl benzyl phthalate	21 E	11 E	58 U		90 U	71 U	56 U	7.3 U
Di-n-butyl phthalate	34 E	52 U	45 U		68 E	55 U	43 U	28 U
Di-n-octyl phthalate	73 U	64 U	54 U		84 U	67 U	52 U	34 U
Diethyl phthalate	100 U	89 U	76 U		120 U	93 U	73 U	48 U
Dimethyl phthalate	88 U	76 U	65 U		100 U	80 U	62 U	41 U
Phthalates in mg/kg (OC)								
Bis(2-ethylhexyl)phthalate	4.45	3.70	3.58		10.40	1.59	2.27	10.00
Butyl benzyl phthalate	0.95 E	0.55 E	4.83 U		3.60 U	2.63 U	2.15 U	3.48 U
Di-n-butyl phthalate	1.55 E	2.60 U	3.75 U		2.72 E	2.04 U	1.65 U	13.33 U
Di-n-octyl phthalate	3.32 U	3.20 U	4.50 U		3.36 U	2.48 U	2.00 U	16.19 U
Diethyl phthalate	4.55 U	4.45 U	6.33 U		4.80 U	3.44 U	2.81 U	22.86 U
Dimethyl phthalate	4.00 U	3.80 U	5.42 U		4.00 U	2.96 U	2.38 U	19.52 U
PCBs in µg/kg (dry)								
PCB-1221	130 U	110 U	94 U		150 U	120 U	91 U	24 U
PCB-1232	130 U	110 U	94 U		150 U	120 U	91 U	24 U
PCB-1016	130 U	110 U	94 U		150 U	120 U	91 U	24 U
PCB-1242	130 U	110 U	94 U		150 U	120 U	91 U	24 U
PCB-1248	130 U	110 U	94 U		150 U	120 U	91 U	24 U
PCB-1254	130 U	110 U	94 U		150 U	120 U	91 U	24 U
PCB-1260	130 U	110 U	94 U		150 U	120 U	91 U	24 U
Total PCBs	130 U	110 U	94 U		150 U	120 U	91 U	24 U
PCBs in mg/kg (OC)								
PCB-1221	5.91 U	5.50 U	7.83 U		6.00 U	4.44 U	3.50 U	11.43 U
PCB-1232	5.91 U	5.50 U	7.83 U		6.00 U	4.44 U	3.50 U	11.43 U
PCB-1016	5.91 U	5.50 U	7.83 U		6.00 U	4.44 U	3.50 U	11.43 U
PCB-1242	5.91 U	5.50 U	7.83 U		6.00 U	4.44 U	3.50 U	11.43 U
PCB-1248	5.91 U	5.50 U	7.83 U		6.00 U	4.44 U	3.50 U	11.43 U
PCB-1254	5.91 U	5.50 U	7.83 U		6.00 U	4.44 U	3.50 U	11.43 U
PCB-1260	5.91 U	5.50 U	7.83 U		6.00 U	4.44 U	3.50 U	11.43 U
Total PCBs	5.91 U	5.50 U	7.83 U		6.00 U	4.44 U	3.50 U	11.43 U
Phenols in µg/kg (dry)								
2,4-Dimethylphenol	1.8 E	3 E	29 U		1.5 E	5.5 E	16 E	18 U
2-Methylphenol	2.2 E	2.3 E	31 U		2.2 E	6.1 E	7.7 E	20 U
4-Methylphenol	470	170	5 E		450	270	280	4.5 E
Pentachlorophenol	7.7 E	5 E	55 U		6.8 E	19 E	13 E	35 U
Phenol	79	34 U	29 U		34 E	26 E	28 U	18 U
Total Phenols(detects only)	560.7	180.3	5		494.5	326.6	316.7	4.5

Table B-2 - Analytical Results for Vibracore Samples and Co-located Surface Sediment Samples

Lab-ID	9609024-18	9609012-14	9609041-1	9609041-2	9609041-3	9609041-4	9609012-15	9609048-1
Sample-ID	HC-VC-71-S4	HC-SC-72	HC-VC-72-S1	HC-VC-72-S2	HC-VC-72-S3	HC-VC-72-S4	HC-SC-73	HC-VC-73-S1
Depth	9.8 to 11.4 ft	0 to .3 ft	0 to 3.2 ft	3.2 to 4 ft	4 to 7 ft	8.4 to 10 ft	0 to .3 ft	0 to 1.9 ft
Sampling Date	9/12/96	9/09/96	9/12/96	9/12/96	9/12/96	9/12/96	9/09/96	9/16/96
Conventionals in pct. (dry)								
Moisture	17	68	54	24	19	27	66	62
Total Organic Carbon	0.32	3.2	3.1	0.94	0.16	0.21	3.6	3.7
Metals in mg/kg (dry)								
Arsenic	3.7	11 E	9.3	4.4	3.8	6.6	10 E	9.1
Cadmium	0.6 U	1.5 U	1.7	0.65 U	0.64 U	0.87	1.5 U	1.5
Chromium	17	69	62	26	20	46	62	62 E
Copper	11	57	61	18	10	49	51	61 E
Lead	3.6 U	17	37	7.6	3.8 U	4.5	15	22 E
Mercury	0.12 U	1	2.6	0.13 U	0.12 U	0.14 U	0.84	2
Silver	0.6 U	1.5 U	1.1 U	0.65 U	0.64 U	0.69 U	1.5 U	1.4 U
Zinc	22	110	120	38	25	77	97	110
HPAHs in µg/kg (dry)								
Benz(a)anthracene	26 U	270	340	57	27 U	30 U	210	370
Benzo(a)pyrene	23 U	140	190	54	5.2 E	26 U	100	260
Benzo(b)fluoranthene	28 U	170	420 C	98 C	9.3 C	32 U	260 C	340
Benzo(ghi)perylene	37 U	74 E	180	54	38 U	42 U	62 E	260
Benzo(k)fluoranthene	36 U	150	420 C	98 C	9.3 C	41 U	260 C	260
Chrysene	27 U	360	440	79	7.4 E	30 U	250	510
Dibenz(a,h)anthracene	37 U	37 E	64 E	8.8 E	5.3 E	7 U	32 E	99
Fluoranthene	23 U	570	960	200	17 E	26 U	490	640
Indeno(1,2,3-cd)pyrene	36 U	68 E	130	37 E	37 U	41 U	56 E	210
Pyrene	28 U	520	1200	230	18 E	32 U	430	1000
Total benzofluoranthenes	36 U	320	420	98	9.3	41 U	260	600
Total HPAHs	37 U	2359	3924	817.8	62.2	42 U	1890	3949
HPAHs in mg/kg (OC)								
Benz(a)anthracene	8.13 U	8.44	10.97	6.06	16.88 U	14.29 U	5.83	10.00
Benzo(a)pyrene	7.19 U	4.38	6.13	5.74	3.25 E	12.38 U	2.78	7.03
Benzo(b)fluoranthene	8.75 U	5.31	13.55 C	10.43 C	5.81 C	15.24 U	7.22 C	9.19
Benzo(ghi)perylene	11.56 U	2.31 E	5.81	5.74	23.75 U	20.00 U	1.72 E	7.03
Benzo(k)fluoranthene	11.25 U	4.69	13.55 C	10.43 C	5.81 C	19.52 U	7.22 C	7.03
Chrysene	8.44 U	11.25	14.19	8.40	4.63 E	14.29 U	6.94	13.78
Dibenz(a,h)anthracene	11.56 U	1.16 E	2.06 E	0.94 E	3.31 E	3.33 U	0.89 E	2.68
Fluoranthene	7.19 U	17.81	30.97	21.28	10.63 E	12.38 U	13.61	17.30
Indeno(1,2,3-cd)pyrene	11.25 U	2.13 E	4.19	3.94 E	23.13 U	19.52 U	1.56 E	5.68
Pyrene	8.75 U	16.25	38.71	24.47	11.25 E	15.24 U	11.94	27.03
Total benzofluoranthenes	11.25 U	10.00	13.55	10.43	5.81	19.52 U	7.22	16.22
Total HPAHs	11.56 U	73.72	126.58	87.00	38.88	20.00 U	52.50	106.73

Table B-2 - Analytical Results for Vibracore Samples and Co-located Surface Sediment Samples

Lab-ID	9609024-18	9609012-14	9609041-1	9609041-2	9609041-3	9609041-4	9609012-15	9609048-1
Sample-ID	HC-VC-71-S4	HC-SC-72	HC-VC-72-S1	HC-VC-72-S2	HC-VC-72-S3	HC-VC-72-S4	HC-SC-73	HC-VC-73-S1
Depth	9.8 to 11.4 ft	0 to .3 ft	0 to 3.2 ft	3.2 to 4 ft	4 to 7 ft	8.4 to 10 ft	0 to .3 ft	0 to 1.9 ft
Sampling Date	9/12/96	9/09/96	9/12/96	9/12/96	9/12/96	9/12/96	9/09/96	9/16/96
LPAHs in µg/kg (dry)								
2-Methylnaphthalene	20 U	55	150	45	6 E	13 E	33 E	82
Acenaphthene	20 U	98	170	33	21 U	23 U	41 E	110
Acenaphthylene	18 U	48 U	100	47	19 U	21 U	45 U	34 E
Anthracene	22 U	180	230	48	22 U	24 U	98	170
Fluorene	23 U	130	230	47	24 U	27 U	62	130
Naphthalene	21 U	120	520	240	14 E	23 U	81	260
Phenanthrene	23 U	450	620	170	15 E	13 E	280	410
Total LPAHs	23 U	978	1870	585	29	13	562	1114
LPAHs in mg/kg (OC)								
2-Methylnaphthalene	6.25 U	1.72	4.84	4.79	3.75 E	6.19 E	0.92 E	2.22
Acenaphthene	6.25 U	3.06	5.48	3.51	13.13 U	10.95 U	1.14 E	2.97
Acenaphthylene	5.63 U	1.50 U	3.23	5.00	11.88 U	10.00 U	1.25 U	0.92 E
Anthracene	6.88 U	5.63	7.42	5.11	13.75 U	11.43 U	2.72	4.59
Fluorene	7.19 U	4.06	7.42	5.00	15.00 U	12.86 U	1.72	3.51
Naphthalene	6.56 U	3.75	16.77	25.53	8.75 E	10.95 U	2.25	7.03
Phenanthrene	7.19 U	14.06	20.00	18.09	9.38 E	6.19 E	7.78	11.08
Total LPAHs	7.19 U	30.56	60.32	62.23	18.13	6.19	15.61	30.11
Semivolatiles in µg/kg (dry)								
1,2,4-Trichlorobenzene	4.6 U	48 U	33 U	20 U	3.2 U	3.5 U	45 U	41 U
1,2-Dichlorobenzene	5.5 U	57 U	40 U	24 U	3.7 U	4.2 U	54 U	48 U
1,4-Dichlorobenzene	5 U	52 U	11 E	22 U	3.4 U	3.8 U	49 U	44 U
Benzoic Acid	50 UE	160 UE	140 UE	82 UE	42 UE	63 UE	180 UE	72 UE
Benzyl Alcohol	32 U	4.2 E	57 U	35 U	32 U	36 U	4.7 E	9 E
Dibenzofuran	21 U	98	160	30	21 U	24 U	50 E	140
Hexachlorobenzene	0.8 U	5.2 U	6	2.2 U	0.51 U	0.57 U	4.9 U	4.9
Hexachlorobutadiene	0.8 U	5.2 U	3.6 U	2.2 U	0.51 U	0.57 U	4.9 U	4.4 U
N-Nitroso diphenylamine	25 U	64 U	45 U	27 U	4.2 U	4.7 U	60 U	54 U
Semivolatiles in mg/kg (OC)								
1,2,4-Trichlorobenzene	1.44 U	1.50 U	1.06 U	2.13 U	2.00 U	1.67 U	1.25 U	1.11 U
1,2-Dichlorobenzene	1.72 U	1.78 U	1.29 U	2.55 U	2.31 U	2.00 U	1.50 U	1.30 U
1,4-Dichlorobenzene	1.56 U	1.63 U	0.35 E	2.34 U	2.13 U	1.81 U	1.36 U	1.19 U
Benzoic Acid	15.63 UE	5.00 UE	4.52 UE	8.72 UE	26.25 UE	30.00 UE	5.00 UE	1.95 UE
Benzyl Alcohol	10.00 U	0.13 E	1.84 U	3.72 U	20.00 U	17.14 U	0.13 E	0.24 E
Dibenzofuran	6.56 U	3.06	5.16	3.19	13.13 U	11.43 U	1.39 E	3.78
Hexachlorobenzene	0.25 U	0.16 U	0.19	0.23 U	0.32 U	0.27 U	0.14 U	0.13
Hexachlorobutadiene	0.25 U	0.16 U	0.12 U	0.23 U	0.32 U	0.27 U	0.14 U	0.12 U
N-Nitroso diphenylamine	7.81 U	2.00 U	1.45 U	2.87 U	2.63 U	2.24 U	1.67 U	1.46 U

Table B-2 - Analytical Results for Vibracore Samples and Co-located Surface Sediment Samples

Lab-ID	9609024-18	9609012-14	9609041-1	9609041-2	9609041-3	9609041-4	9609012-15	9609048-1
Sample-ID	HC-VC-71-S4	HC-SC-72	HC-VC-72-S1	HC-VC-72-S2	HC-VC-72-S3	HC-VC-72-S4	HC-SC-73	HC-VC-73-S1
Depth	9.8 to 11.4 ft	0 to .3 ft	0 to 3.2 ft	3.2 to 4 ft	4 to 7 ft	8.4 to 10 ft	0 to .3 ft	0 to 1.9 ft
Sampling Date	9/12/96	9/09/96	9/12/96	9/12/96	9/12/96	9/12/96	9/09/96	9/16/96
Phthalates in µg/kg (dry)								
Bis(2-ethylhexyl)phthalate	33	130	200	16 UE	32 U	40 U	150	250 U
Butyl benzyl phthalate	9.3 U	96 U	67 U	40 U	2.5 E	7 U	90 U	35 E
Di-n-butyl phthalate	28 U	74 U	51 U	31 U	29 U	32 U	38 E	28 U
Di-n-octyl phthalate	34 U	89 U	62 U	38 U	35 U	39 U	84 U	75 U
Diethyl phthalate	48 U	130 U	87 U	53 U	50 U	55 U	120 U	110 U
Dimethyl phthalate	41 U	110 U	74 U	45 U	42 U	47 U	101 U	90 U
Phthalates in mg/kg (OC)								
Bis(2-ethylhexyl)phthalate	10.31	4.06	6.45	1.70 UE	20.00 U	19.05 U	4.17	6.76 U
Butyl benzyl phthalate	2.91 U	3.00 U	2.16 U	4.26 U	1.56 E	3.33 U	2.50 U	0.95 E
Di-n-butyl phthalate	8.75 U	2.31 U	1.65 U	3.30 U	18.13 U	15.24 U	1.06 E	0.76 U
Di-n-octyl phthalate	10.63 U	2.78 U	2.00 U	4.04 U	21.88 U	18.57 U	2.33 U	2.03 U
Diethyl phthalate	15.00 U	4.06 U	2.81 U	5.64 U	31.25 U	26.19 U	3.33 U	2.97 U
Dimethyl phthalate	12.81 U	3.44 U	2.39 U	4.79 U	26.25 U	22.38 U	2.81 U	2.43 U
PCBs in µg/kg (dry)								
PCB-1221	24 U	160 U	110 U	66 U	15 U	17 U	150 U	130 U
PCB-1232	24 U	160 U	110 U	66 U	15 U	17 U	150 U	130 U
PCB-1016	24 U	160 U	110 U	66 U	15 U	17 U	150 U	130 U
PCB-1242	24 U	160 U	110 U	66 U	15 U	17 U	150 U	130 U
PCB-1248	24 U	160 U	110 U	66 U	15 U	17 U	150 U	130 U
PCB-1254	24 U	160 U	110 U	66 U	15 U	17 U	150 U	130 U
PCB-1260	24 U	160 U	110 U	66 U	15 U	17 U	150 U	130 U
Total PCBs	24 U	160 U	110 U	66 U	15 U	17 U	150 U	130 U
PCBs in mg/kg (OC)								
PCB-1221	7.50 U	5.00 U	3.55 U	7.02 U	9.38 U	8.10 U	4.17 U	3.51 U
PCB-1232	7.50 U	5.00 U	3.55 U	7.02 U	9.38 U	8.10 U	4.17 U	3.51 U
PCB-1016	7.50 U	5.00 U	3.55 U	7.02 U	9.38 U	8.10 U	4.17 U	3.51 U
PCB-1242	7.50 U	5.00 U	3.55 U	7.02 U	9.38 U	8.10 U	4.17 U	3.51 U
PCB-1248	7.50 U	5.00 U	3.55 U	7.02 U	9.38 U	8.10 U	4.17 U	3.51 U
PCB-1254	7.50 U	5.00 U	3.55 U	7.02 U	9.38 U	8.10 U	4.17 U	3.51 U
PCB-1260	7.50 U	5.00 U	3.55 U	7.02 U	9.38 U	8.10 U	4.17 U	3.51 U
Total PCBs	7.50 U	5.00 U	3.55 U	7.02 U	9.38 U	8.10 U	4.17 U	3.51 U
Phenols in µg/kg (dry)								
2,4-Dimethylphenol	18 U	2 E	4.1 E	2.7 E	19 U	21 U	1.7 E	6.4 E
2-Methylphenol	20 U	2.1 E	4.3 E	3.1 E	20 U	22 U	2.1 E	9.1 E
4-Methylphenol	21 U	310	73	53	3 E	24 U	320	480
Pentachlorophenol	35 U	5.6 E	63 U	38 U	36 U	40 U	9.1 E	13 E
Phenol	19 U	26 E	15 E	10 UE	3.5 UE	3.9 UE	25 E	41 U
Total Phenols(detects only)		345.7	96.4	68.8	6.5	3.9	357.9	508.5

Table B-2 - Analytical Results for Vibracore Samples and Co-located Surface Sediment Samples

Lab-ID	9609048-2	9609042-13	9609042-14	9609024-11	9609041-19	9609042-11	9609041-20	9609042-12
Sample-ID	HC-VC-73-S2	HC-VC-73-S3	HC-VC-73-S4	HC-SC-74	HC-VC-74-S1	HC-VC-74-S2	HC-VC-74-S3	HC-VC-74-S4
Depth	1.9 to 4.6 ft	5.1 to 7.4 ft	7.4 to 9.7 ft	0 to .3 ft	0 to 2.4 ft	2.4 to 4.1 ft	4.5 to 6.9 ft	9 to 11.5 ft
Sampling Date	9/16/96	9/12/96	9/12/96	9/10/96	9/16/96	9/13/96	9/16/96	9/13/96
Conventionals in pct. (dry)								
Moisture	53	47	47	75	67	64	60	15
Total Organic Carbon	4.7			8.3	15		6.6	
Metals in mg/kg (dry)								
Arsenic	7.3			11	8.2		8.2	
Cadmium	2.3			2.1 U	1.6 U		2.6	
Chromium	66 E			61	51		56	
Copper	84 E			68	55		150	
Lead	50 E			21	25		80	
Mercury	3.9	0.56	0.5	4.9	10.5	69	8.4	0.12 U
Silver	1.1 U			2.1 U	1.6 U		1.3 U	
Zinc	140			160	130		240	
HPAHs in µg/kg (dry)								
Benz(a)anthracene	180			420	1600		660	
Benzo(a)pyrene	100			280	1700		370	
Benzo(b)fluoranthene	190 C			610 C	3100 C		350	
Benzo(ghi)perylene	110			230	1000		270	
Benzo(k)fluoranthene	190 C			610 C	3100 C		340	
Chrysene	220			580	1900		800	
Dibenz(a,h)anthracene	43 E			120 E	500		110	
Fluoranthene	640			1200	2900		1700	
Indeno(1,2,3-cd)pyrene	76			220	1100		220	
Pyrene	520			1100	3000		2000	
Total benzofluoranthenes	190			610	3100		690	
Total HPAHs	2079			4760	16800		6820	
HPAHs in mg/kg (OC)								
Benz(a)anthracene	3.83			5.06	10.67		10.00	
Benzo(a)pyrene	2.13			3.37	11.33		5.61	
Benzo(b)fluoranthene	4.04 C			7.35 C	20.67 C		5.30	
Benzo(ghi)perylene	2.34			2.77	6.67		4.09	
Benzo(k)fluoranthene	4.04 C			7.35 C	20.67 C		5.15	
Chrysene	4.68			6.99	12.67		12.12	
Dibenz(a,h)anthracene	0.91 E			1.45 E	3.33		1.67	
Fluoranthene	13.62			14.46	19.33		25.76	
Indeno(1,2,3-cd)pyrene	1.62			2.65	7.33		3.33	
Pyrene	11.06			13.25	20.00		30.30	
Total benzofluoranthenes	4.04			7.35	20.67		10.45	
Total HPAHs	44.23			57.35	112.00		103.33	

Table B-2 - Analytical Results for Vibracore Samples and Co-located Surface Sediment Samples

Lab-ID	9609048-2	9609042-13	9609042-14	9609024-11	9609041-19	9609042-11	9609041-20	9609042-12
Sample-ID	HC-VC-73-S2	HC-VC-73-S3	HC-VC-73-S4	HC-SC-74	HC-VC-74-S1	HC-VC-74-S2	HC-VC-74-S3	HC-VC-74-S4
Depth	1.9 to 4.6 ft	5.1 to 7.4 ft	7.4 to 9.7 ft	0 to .3 ft	0 to 2.4 ft	2.4 to 4.1 ft	4.5 to 6.9 ft	9 to 11.5 ft
Sampling Date	9/16/96	9/12/96	9/12/96	9/10/96	9/16/96	9/13/96	9/16/96	9/13/96
LPAHs in µg/kg (dry)								
2-Methylnaphthalene	200			66 U	120		370	
Acenaphthene	130			84	480		740	
Acenaphthylene	37			61 U	49		110	
Anthracene	160			230	460		580	
Fluorene	200			110	360		920	
Naphthalene	340			68 U	410		1400	
Phenanthrene	700			300	1200		1600	
Total LPAHs	1567			724	2959		5350	
LPAHs in mg/kg (OC)								
2-Methylnaphthalene	4.26			0.80 U	0.80		5.61	
Acenaphthene	2.77			1.01	3.20		11.21	
Acenaphthylene	0.79			0.73 U	0.33		1.67	
Anthracene	3.40			2.77	3.07		8.79	
Fluorene	4.26			1.33	2.40		13.94	
Naphthalene	7.23			0.82 U	2.73		21.21	
Phenanthrene	14.89			3.61	8.00		24.24	
Total LPAHs	33.34			8.72	19.73		81.06	
Semivolatiles in µg/kg (dry)								
1,2,4-Trichlorobenzene	33 U			62 U	47 U		39 U	
1,2-Dichlorobenzene	39 U			73 U	55 U		46 U	
1,4-Dichlorobenzene	11 E			66 U	50 U		10 E	
Benzoic Acid	200 E			290 E	220 UE		200 UE	
Benzyl Alcohol	8.8 E			13 E	9.8 E		4 E	
Dibenzofuran	120			69 U	260		670	
Hexachlorobenzene	3.5 U			6.7 U	5.1 U		5.4	
Hexachlorobutadiene	3.5 U			6.7 U	5.1 U		4.2 U	
N-Nitroso diphenylamine	74			82 U	62 U		51 U	
Semivolatiles in mg/kg (OC)								
1,2,4-Trichlorobenzene	0.70 U			0.75 U	0.31 U		0.59 U	
1,2-Dichlorobenzene	0.83 U			0.88 U	0.37 U		0.70 U	
1,4-Dichlorobenzene	0.23 E			0.80 U	0.33 U		0.15 E	
Benzoic Acid	4.26 E			3.49 E	1.47 UE		3.03 UE	
Benzyl Alcohol	0.19 E			0.16 E	0.07 E		0.06 E	
Dibenzofuran	2.55			0.83 U	1.73		10.15	
Hexachlorobenzene	0.07 U			0.08 U	0.03 U		0.08	
Hexachlorobutadiene	0.07 U			0.08 U	0.03 U		0.06 U	
N-Nitroso diphenylamine	1.57			0.99 U	0.41 U		0.77 U	

Table B-2 - Analytical Results for Vibracore Samples and Co-located Surface Sediment Samples

Lab-ID	9609048-2	9609042-13	9609042-14	9609024-11	9609041-19	9609042-11	9609041-20	9609042-12
Sample-ID	HC-VC-73-S2	HC-VC-73-S3	HC-VC-73-S4	HC-SC-74	HC-VC-74-S1	HC-VC-74-S2	HC-VC-74-S3	HC-VC-74-S4
Depth	1.9 to 4.6 ft	5.1 to 7.4 ft	7.4 to 9.7 ft	0 to .3 ft	0 to 2.4 ft	2.4 to 4.1 ft	4.5 to 6.9 ft	9 to 11.5 ft
Sampling Date	9/16/96	9/12/96	9/12/96	9/10/96	9/16/96	9/13/96	9/16/96	9/13/96
Phthalates in µg/kg (dry)								
Bis(2-ethylhexyl)phthalate	190 U			160	490		780	
Butyl benzyl phthalate	65 U			120 U	60 E		77 U	
Di-n-butyl phthalate	50 U			94 U	44 E		53 E	
Di-n-octyl phthalate	61 U			110 U	87 U		72 U	
Diethyl phthalate	86 U			160 U	120 U		100 U	
Dimethyl phthalate	73 U			140 U	100 U		86 U	
Phthalates in mg/kg (OC)								
Bis(2-ethylhexyl)phthalate	4.04 U			1.93	3.27		11.82	
Butyl benzyl phthalate	1.38 U			1.45 U	0.40 E		1.17 U	
Di-n-butyl phthalate	1.06 U			1.13 U	0.29 E		0.80 E	
Di-n-octyl phthalate	1.30 U			1.33 U	0.58 U		1.09 U	
Diethyl phthalate	1.83 U			1.93 U	0.80 U		1.52 U	
Dimethyl phthalate	1.55 U			1.69 U	0.67 U		1.30 U	
PCBs in µg/kg (dry)								
PCB-1221	110 U			200 U	150 U		130 U	
PCB-1232	110 U			200 U	150 U		130 U	
PCB-1016	110 U			200 U	150 U		130 U	
PCB-1242	110 U			200 U	150 U		130 U	
PCB-1248	110 U			200 U	150 U		170	
PCB-1254	110 E			200 U	150 U		130 U	
PCB-1260	110 U			200 U	150 U		91 E	
Total PCBs	110 E			200 U	150 U		261	
PCBs in mg/kg (OC)								
PCB-1221	2.34 U			2.41 U	1.00 U		1.97 U	
PCB-1232	2.34 U			2.41 U	1.00 U		1.97 U	
PCB-1016	2.34 U			2.41 U	1.00 U		1.97 U	
PCB-1242	2.34 U			2.41 U	1.00 U		1.97 U	
PCB-1248	2.34 U			2.41 U	1.00 U		2.58	
PCB-1254	2.34 E			2.41 U	1.00 U		1.97 U	
PCB-1260	2.34 U			2.41 U	1.00 U		1.38 E	
Total PCBs	2.34 E			2.41 U	1.00 U		3.95	
Phenols in µg/kg (dry)								
2,4-Dimethylphenol	19 E			2.4 E	7.7 E		36 E	
2-Methylphenol	30 E			4.2 E	11 E		28 E	
4-Methylphenol	1500			220	360		1900	
Pentachlorophenol	22 E			12 E	14 E		23 E	
Phenol	33 U			1800	47 U		100	
Total Phenols(detects only)	1571			2039	392.7		2087	

Table B-2 - Analytical Results for Vibracore Samples and Co-located Surface Sediment Samples

Lab-ID	9609024-13	9609041-7	9609041-8	HC-VC-75-S3	9609024-12	9609048-10	9609048-11	9609042-18
Sample-ID	HC-SC-75	HC-VC-75-S1	HC-VC-75-S2	HC-VC-75-S3	HC-SC-76	HC-VC-76-S1	HC-VC-76-S2	HC-VC-76-S3
Depth	0 to .3 ft	0 to 3.3 ft	3.6 to 5.8 ft	6.4 to 9 ft	0 to .3 ft	0 to 3.5 ft	3.5 to 7.9 ft	8.9 to 13.8 ft
Sampling Date	9/10/96	9/12/96	9/12/96	9/12/96	9/10/96	9/16/96	9/16/96	9/13/96
Conventionals in pct. (dry)								
Moisture	67	63	12		71	69	59	20
Total Organic Carbon	6.9	9.9	0.54		4.6	10	9.5	
Metals in mg/kg (dry)								
Arsenic	8.4	6.8	3		10	6.1	4.3	
Cadmium	1.6 U	1.6	0.57 U		1.7 U	1.8	1.3	
Chromium	60	55	16		70	53 E	39 E	
Copper	57	62	8.6		72	60 E	42 E	
Lead	18	39	3.4 U		28	31 E	23 E	
Mercury	1.7	6.4	0.11 U		1.1	1.3	0.96	0.12 U
Silver	1.6 U	1.4 U	0.57 U		1.7 U	1.7 U	1.2 U	
Zinc	110	130	22		140	140	100	
HPAHs in µg/kg (dry)								
Benz(a)anthracene	610	530 E	25 UE		620	450	400	
Benzo(a)pyrene	380	270 E	22 UE		360	260	180	
Benzo(b)fluoranthene	900 C	660 EC	27 UE		930 C	340	450 C	
Benzo(ghi)perylene	260	200 E	35 UE		260	230	140	
Benzo(k)fluoranthene	900 C	660 EC	34 UE		930 C	290	450 C	
Chrysene	840	790 E	25 UE		840	630	530	
Dibenz(a,h)anthracene	130	99 E	35 UE		130	100	58 E	
Fluoranthene	1100	2000 E	21 UE		1300	1400	1800	
Indeno(1,2,3-cd)pyrene	250	190 E	34 UE		260	210	120	
Pyrene	1600	1500 E	27 UE		1500	1300	1400	
Total benzofluoranthenes	900	660	34 U		930	630	450	
Total HPAHs	6070	6239	35 U		6200	5210	5078	
HPAHs in mg/kg (OC)								
Benz(a)anthracene	8.84	5.35 E	4.63 UE		13.48	4.50	4.21	
Benzo(a)pyrene	5.51	2.73 E	4.07 UE		7.83	2.60	1.89	
Benzo(b)fluoranthene	13.04 C	6.67 EC	5.00 UE		20.22 C	3.40	4.74 C	
Benzo(ghi)perylene	3.77	2.02 E	6.48 UE		5.65	2.30	1.47	
Benzo(k)fluoranthene	13.04 C	6.67 EC	6.30 UE		20.22 C	2.90	4.74 C	
Chrysene	12.17	7.98 E	4.63 UE		18.26	6.30	5.58	
Dibenz(a,h)anthracene	1.88	1.00 E	6.48 UE		2.83	1.00	0.61 E	
Fluoranthene	15.94	20.20 E	3.89 UE		28.26	14.00	18.95	
Indeno(1,2,3-cd)pyrene	3.62	1.92 E	6.30 UE		5.65	2.10	1.26	
Pyrene	23.19	15.15 E	5.00 UE		32.61	13.00	14.74	
Total benzofluoranthenes	13.04	6.67	6.30 U		20.22	6.30	4.74	
Total HPAHs	87.97	63.02	6.48 U		134.78	52.10	53.45	

Table B-2 - Analytical Results for Vibracore Samples and Co-located Surface Sediment Samples

Lab-ID	9609024-13	9609041-7	9609041-8	HC-VC-75-S3	9609024-12	9609048-10	9609048-11	9609042-18
Sample-ID	HC-SC-75	HC-VC-75-S1	HC-VC-75-S2	HC-VC-75-S3	HC-SC-76	HC-VC-76-S1	HC-VC-76-S2	HC-VC-76-S3
Depth	0 to .3 ft	0 to 3.3 ft	3.6 to 5.8 ft	6.4 to 9 ft	0 to .3 ft	0 to 3.5 ft	3.5 to 7.9 ft	8.9 to 13.8 ft
Sampling Date	9/10/96	9/12/96	9/12/96	9/12/96	9/10/96	9/16/96	9/16/96	9/13/96
LPAHs in µg/kg (dry)								
2-Methylnaphthalene	93	130 E	19 UE		98	67	130	
Acenaphthene	120	290 E	19 UE		79	80	1000	
Acenaphthylene	32 E	31 E	17 UE		39 E	22 E	34 E	
Anthracene	300	420 E	20 UE		280	250	550	
Fluorene	170	440 E	22 UE		150	110	950	
Naphthalene	220	310 E	19 UE		200	190	320	
Phenanthrene	460	1200 E	22 UE		470	350	2000	
Total LPAHs	1302	2691	22 U		1218	1002	4854	
LPAHs in mg/kg (OC)								
2-Methylnaphthalene	1.35	1.31 E	3.52 UE		2.13	0.67	1.37	
Acenaphthene	1.74	2.93 E	3.52 UE		1.72	0.80	10.53	
Acenaphthylene	0.46 E	0.31 E	3.15 UE		0.85 E	0.22 E	0.36 E	
Anthracene	4.35	4.24 E	3.70 UE		6.09	2.50	5.79	
Fluorene	2.46	4.44 E	4.07 UE		3.26	1.10	10.00	
Naphthalene	3.19	3.13 E	3.52 UE		4.35	1.90	3.37	
Phenanthrene	6.67	12.12 E	4.07 UE		10.22	3.50	21.05	
Total LPAHs	18.87	27.18	4.07 U		26.48	10.02	51.09	
Semivolatiles in µg/kg (dry)								
1,2,4-Trichlorobenzene	47 U	42 UE	9 UE		53 U	50 U	38 U	
1,2-Dichlorobenzene	55 U	49 UE	11 UE		63 U	59 U	44 U	
1,4-Dichlorobenzene	50 U	45 UE	10 UE		57 U	53 U	40 U	
Benzoic Acid	310 E	290 E	38 UE		770	230 E	220 E	
Benzyl Alcohol	10 E	5.6 E	30 UE		46	11 E	8.8 E	
Dibenzofuran	160	260 E	20 UE		150	140	660	
Hexachlorobenzene	5.1 U	14	1.9 U		5.7 U	5.9	4.2	
Hexachlorobutadiene	5.1 U	4.5 U	1.9 U		5.7 U	5.4 U	4.1 U	
N-Nitroso diphenylamine	62 U	55 UE	23 UE		71 U	18 E	50 U	
Semivolatiles in mg/kg (OC)								
1,2,4-Trichlorobenzene	0.68 U	0.42 UE	1.67 UE		1.15 U	0.50 U	0.40 U	
1,2-Dichlorobenzene	0.80 U	0.49 UE	2.04 UE		1.37 U	0.59 U	0.46 U	
1,4-Dichlorobenzene	0.72 U	0.45 UE	1.85 UE		1.24 U	0.53 U	0.42 U	
Benzoic Acid	4.49 E	2.93 E	7.04 UE		16.74	2.30 E	2.32 E	
Benzyl Alcohol	0.14 E	0.06 E	5.56 UE		1.00	0.11 E	0.09 E	
Dibenzofuran	2.32	2.63 E	3.70 UE		3.26	1.40	6.95	
Hexachlorobenzene	0.07 U	0.14	0.35 U		0.12 U	0.06	0.04	
Hexachlorobutadiene	0.07 U	0.05 U	0.35 U		0.12 U	0.05 U	0.04 U	
N-Nitroso diphenylamine	0.90 U	0.56 UE	4.26 UE		1.54 U	0.18 E	0.53 U	

Table B-2 - Analytical Results for Vibracore Samples and Co-located Surface Sediment Samples

Lab-ID	9609024-13	9609041-7	9609041-8	HC-VC-75-S3	9609024-12	9609048-10	9609048-11	9609042-18
Sample-ID	HC-SC-75	HC-VC-75-S1	HC-VC-75-S2	HC-VC-75-S3	HC-SC-76	HC-VC-76-S1	HC-VC-76-S2	HC-VC-76-S3
Depth	0 to .3 ft	0 to 3.3 ft	3.6 to 5.8 ft	6.4 to 9 ft	0 to .3 ft	0 to 3.5 ft	3.5 to 7.9 ft	8.9 to 13.8 ft
Sampling Date	9/10/96	9/12/96	9/12/96	9/12/96	9/10/96	9/16/96	9/16/96	9/13/96
Phthalates in µg/kg (dry)								
Bis(2-ethylhexyl)phthalate	380	260 E	16 UE		610	240 U	230 U	
Butyl benzyl phthalate	93 U	33 E	18 UE		110 U	41 E	75 U	
Di-n-butyl phthalate	72 U	64 UE	7 E		81 U	40 UE	45 UE	
Di-n-octyl phthalate	87 U	77 UE	33 UE		99 U	92 U	70 U	
Diethyl phthalate	120 U	110 UE	46 UE		140 U	130 U	98 U	
Dimethyl phthalate	100 U	92 UE	39 UE		120 U	110 U	83 U	
Phthalates in mg/kg (OC)								
Bis(2-ethylhexyl)phthalate	5.51	2.63 E	2.96 UE		13.26	2.40 U	2.42 U	
Butyl benzyl phthalate	1.35 U	0.33 E	3.33 UE		2.39 U	0.41 E	0.79 U	
Di-n-butyl phthalate	1.04 U	0.65 UE	1.30 E		1.76 U	0.40 UE	0.47 UE	
Di-n-octyl phthalate	1.26 U	0.78 UE	6.11 UE		2.15 U	0.92 U	0.74 U	
Diethyl phthalate	1.74 U	1.11 UE	8.52 UE		3.04 U	1.30 U	1.03 U	
Dimethyl phthalate	1.45 U	0.93 UE	7.22 UE		2.61 U	1.10 U	0.87 U	
PCBs in µg/kg (dry)								
PCB-1221	150 U	140 U	57 U		170 U	160 U	120 U	
PCB-1232	150 U	140 U	57 U		170 U	160 U	120 U	
PCB-1016	150 U	140 U	57 U		170 U	160 U	120 U	
PCB-1242	150 U	140 U	57 U		170 U	160 U	120 U	
PCB-1248	150 U	130 E	57 U		170 U	160 U	120 U	
PCB-1254	150 U	140 U	57 U		170 U	160 U	120 U	
PCB-1260	150 U	140 U	57 U		170 U	160 U	120 U	
Total PCBs	150 U	130 E	57 U		170 U	160 U	120 U	
PCBs in mg/kg (OC)								
PCB-1221	2.17 U	1.41 U	10.56 U		3.70 U	1.60 U	1.26 U	
PCB-1232	2.17 U	1.41 U	10.56 U		3.70 U	1.60 U	1.26 U	
PCB-1016	2.17 U	1.41 U	10.56 U		3.70 U	1.60 U	1.26 U	
PCB-1242	2.17 U	1.41 U	10.56 U		3.70 U	1.60 U	1.26 U	
PCB-1248	2.17 U	1.31 E	10.56 U		3.70 U	1.60 U	1.26 U	
PCB-1254	2.17 U	1.41 U	10.56 U		3.70 U	1.60 U	1.26 U	
PCB-1260	2.17 U	1.41 U	10.56 U		3.70 U	1.60 U	1.26 U	
Total PCBs	2.17 U	1.31 E	10.56 U		3.70 U	1.60 U	1.26 U	
Phenols in µg/kg (dry)								
2,4-Dimethylphenol	7.1 E	5.5 E	17 UE		6.3 E	5.6 E	5.5 E	
2-Methylphenol	11 E	7.2 E	19 UE		19 E	6.3 E	11 E	
4-Methylphenol	420	830 E	20 UE		490 E	440	1500	
Pentachlorophenol	18 E	12 E	33 UE		25 E	17 E	13 E	
Phenol	960	310 E	3.1 UE		1100	50 U	38 U	
Total Phenols(detects only)	1416	1165	3.1		1640	468.9	1530	

Table B-2 - Analytical Results for Vibracore Samples and Co-located Surface Sediment Samples

Lab-ID	9609042-19	9609012-16	9609048-6	9609048-7	9609048-8	9609048-9	9609012-17	9609041-17
Sample-ID	HC-VC-76-S4	HC-SC-77	HC-VC-77-S1	HC-VC-77-S2	HC-VC-77-S3	HC-VC-77-S4	HC-SC-78	HC-VC-78-S1
Depth	14.2 to 15.5 ft	0 to .3 ft	0 to 2.1 ft	2.1 to 3.9 ft	3.9 to 5.4 ft	5.4 to 8.6 ft	0 to .3 ft	0 to 2.4 ft
Sampling Date	9/13/96	9/09/96	9/16/96	9/16/96	9/16/96	9/16/96	9/09/96	9/13/96
Conventionals in pct. (dry)								
Moisture	15	67	62	51	21	22	70	59
Total Organic Carbon		3.2	4.8	49	0.38	0.4	3.5	5.6
Metals in mg/kg (dry)								
Arsenic		12 E	9.3	8.1	5.1	8.8	11 E	7.2
Cadmium		1.4	2	1.9	0.65 U	0.85	1.5 U	1.8
Chromium		76	69 E	59 E	23 E	27 E	70	72
Copper		66	75 E	64 E	20 E	38 E	60	66
Lead		20	42 E	37 E	3.9 UE	3.9 UE	19	42
Mercury	0.12 U	0.7	11	7	0.12 U	0.12 U	0.96	2.1
Silver		1.4 U	1.3 U	1 U	0.65 U	1.3 U	1.5 U	1.2 U
Zinc		120	140	120	36	65	120	130
HPAHs in µg/kg (dry)								
Benz(a)anthracene		93	1200	370	5.3 E	28 U	170	200 E
Benzo(a)pyrene		58	630	260	24 U	24 U	110	160 E
Benzo(b)fluoranthene		140 C	1500 C	540 C	10 C	7.9 C	280 C	360 EC
Benzo(ghi)perylene		37 E	430	280	39 U	11 E	96 E	180 E
Benzo(k)fluoranthene		140 C	1500 C	540 C	10 C	7.9 C	280 C	360 EC
Chrysene		140	1700	540	8.4 E	10 E	260	290 E
Dibenz(a,h)anthracene		93 U	210	98	39 U	39 U	45 E	63 E
Fluoranthene		230	1500	870	19 E	24 U	390	460 E
Indeno(1,2,3-cd)pyrene		36 E	380	210	37 U	38 U	81 E	140 E
Pyrene		200	1700	970	21 E	15 E	400	560 E
Total benzofluoranthenes		140	1500	540	10	7.9	280	360
Total HPAHs		934	9250	4138	63.7	43.9	1832	2413
HPAHs in mg/kg (OC)								
Benz(a)anthracene		2.91	25.00	0.76	1.39 E	7.00 U	4.86	3.57 E
Benzo(a)pyrene		1.81	13.13	0.53	6.32 U	6.00 U	3.14	2.86 E
Benzo(b)fluoranthene		4.38 C	31.25 C	1.10 C	2.63 C	1.98 C	8.00 C	6.43 EC
Benzo(ghi)perylene		1.16 E	8.96	0.57	10.26 U	2.75 E	2.74 E	3.21 E
Benzo(k)fluoranthene		4.38 C	31.25 C	1.10 C	2.63 C	1.98 C	8.00 C	6.43 EC
Chrysene		4.38	35.42	1.10	2.21 E	2.50 E	7.43	5.18 E
Dibenz(a,h)anthracene		2.91 U	4.38	0.20	10.26 U	9.75 U	1.29 E	1.13 E
Fluoranthene		7.19	31.25	1.78	5.00 E	6.00 U	11.14	8.21 E
Indeno(1,2,3-cd)pyrene		1.13 E	7.92	0.43	9.74 U	9.50 U	2.31 E	2.50 E
Pyrene		6.25	35.42	1.98	5.53 E	3.75 E	11.43	10.00 E
Total benzofluoranthenes		4.38	31.25	1.10	2.63	1.98	8.00	6.43
Total HPAHs		29.19	192.71	8.44	16.76	10.98	52.34	43.09

Table B-2 - Analytical Results for Vibracore Samples and Co-located Surface Sediment Samples

Lab-ID	9609042-19	9609012-16	9609048-6	9609048-7	9609048-8	9609048-9	9609012-17	9609041-17
Sample-ID	HC-VC-76-S4	HC-SC-77	HC-VC-77-S1	HC-VC-77-S2	HC-VC-77-S3	HC-VC-77-S4	HC-SC-78	HC-VC-78-S1
Depth	14.2 to 15.5 ft	0 to .3 ft	0 to 2.1 ft	2.1 to 3.9 ft	3.9 to 5.4 ft	5.4 to 8.6 ft	0 to .3 ft	0 to 2.4 ft
Sampling Date	9/13/96	9/09/96	9/16/96	9/16/96	9/16/96	9/16/96	9/09/96	9/13/96
LPAHs in µg/kg (dry)								
2-Methylnaphthalene		50 U	150	130	9.2 E	26	37 E	76 E
Acenaphthene		51 U	190	130	21 U	22 U	56 U	51 E
Acenaphthylene		46 U	51	73	19 U	20 U	51 U	31 E
Anthracene		42 E	760	200	5.7 E	23 U	71	110 E
Fluorene		23 E	340	190	6.8 E	13 E	50 E	86 E
Naphthalene		44 E	320	580	21 E	7.3 E	86	250 E
Phenanthrene		130	860	620	24 E	35	220	320 E
Total LPAHs		239	2521	1793	57.5	55.3	427	848
LPAHs in mg/kg (OC)								
2-Methylnaphthalene		1.56 U	3.13	0.27	2.42 E	6.50	1.06 E	1.36 E
Acenaphthene		1.59 U	3.96	0.27	5.53 U	5.50 U	1.60 U	0.91 E
Acenaphthylene		1.44 U	1.06	0.15	5.00 U	5.00 U	1.46 U	0.55 E
Anthracene		1.31 E	15.83	0.41	1.50 E	5.75 U	2.03	1.96 E
Fluorene		0.72 E	7.08	0.39	1.79 E	3.25 E	1.43 E	1.54 E
Naphthalene		1.38 E	6.67	1.18	5.53 E	1.83 E	2.46	4.46 E
Phenanthrene		4.06	17.92	1.27	6.32 E	8.75	6.29	5.71 E
Total LPAHs		7.47	52.52	3.66	15.13	13.83	12.20	15.14
Semivolatiles in µg/kg (dry)								
1,2,4-Trichlorobenzene		47 U	41 U	31 U	4.9 U	4.9 U	51 U	38 UE
1,2-Dichlorobenzene		55 U	48 U	12 E	5.8 U	5.8 U	61 U	44 UE
1,4-Dichlorobenzene		50 U	11 E	9.6 E	5.2 U	5.3 U	55 U	12 E
Benzoic Acid		200 UE	170 UE	180 UE	35 UE	48 UE	240 UE	170 UE
Benzyl Alcohol		7.3 E	7.6 E	5.9 E	33 U	34 U	12 E	8.1 E
Dibenzofuran		20 E	200	150	5.3 E	22 U	51 E	84 E
Hexachlorobenzene		5.1 U	12	8.8	1.1 U	1.1 U	5.6 U	10
Hexachlorobutadiene		5.1 U	4.4 U	3.4 U	1.1 U	1.1 U	5.6 U	4.1 U
N-Nitroso diphenylamine		62 U	54 U	42 U	26 U	26 U	68 U	50 UE
Semivolatiles in mg/kg (OC)								
1,2,4-Trichlorobenzene		1.47 U	0.85 U	0.06 U	1.29 U	1.23 U	1.46 U	0.68 UE
1,2-Dichlorobenzene		1.72 U	1.00 U	0.02 E	1.53 U	1.45 U	1.74 U	0.79 UE
1,4-Dichlorobenzene		1.56 U	0.23 E	0.02 E	1.37 U	1.33 U	1.57 U	0.21 E
Benzoic Acid		6.25 UE	3.54 UE	0.37 UE	9.21 UE	12.00 UE	6.86 UE	3.04 UE
Benzyl Alcohol		0.23 E	0.16 E	0.01 E	8.68 U	8.50 U	0.34 E	0.14 E
Dibenzofuran		0.63 E	4.17	0.31	1.39 E	5.50 U	1.46 E	1.50 E
Hexachlorobenzene		0.16 U	0.25	0.02	0.29 U	0.28 U	0.16 U	0.18
Hexachlorobutadiene		0.16 U	0.09 U	0.01 U	0.29 U	0.28 U	0.16 U	0.07 U
N-Nitroso diphenylamine		1.94 U	1.13 U	0.09 U	6.84 U	6.50 U	1.94 U	0.89 UE

Table B-2 - Analytical Results for Vibracore Samples and Co-located Surface Sediment Samples

Lab-ID	9609042-19	9609012-16	9609048-6	9609048-7	9609048-8	9609048-9	9609012-17	9609041-17
Sample-ID	HC-VC-76-S4	HC-SC-77	HC-VC-77-S1	HC-VC-77-S2	HC-VC-77-S3	HC-VC-77-S4	HC-SC-78	HC-VC-78-S1
Depth	14.2 to 15.5 ft	0 to .3 ft	0 to 2.1 ft	2.1 to 3.9 ft	3.9 to 5.4 ft	5.4 to 8.6 ft	0 to .3 ft	0 to 2.4 ft
Sampling Date	9/13/96	9/09/96	9/16/96	9/16/96	9/16/96	9/16/96	9/09/96	9/13/96
Phthalates in µg/kg (dry)								
Bis(2-ethylhexyl)phthalate		150	260 U	210 U	19 UE	22 UE	300	310 E
Butyl benzyl phthalate		32 E	83	62 U	2.5 E	9.9 U	32 E	52 E
Di-n-butyl phthalate		39 E	62 U	48 U	12 UE	9.7 UE	47 E	58 UE
Di-n-octyl phthalate		87 U	75 U	58 U	36 U	37 U	95 U	20 E
Diethyl phthalate		120 U	110 U	82 U	51 U	52 U	130 U	98 UE
Dimethyl phthalate		100 U	90 U	70 U	43 U	44 U	110 U	10 E
Phthalates in mg/kg (OC)								
Bis(2-ethylhexyl)phthalate		4.69	5.42 U	0.43 U	5.00 UE	5.50 UE	8.57	5.54 E
Butyl benzyl phthalate		1.00 E	1.73	0.13 U	0.66 E	2.48 U	0.91 E	0.93 E
Di-n-butyl phthalate		1.22 E	1.29 U	0.10 U	3.16 UE	2.43 UE	1.34 E	1.04 UE
Di-n-octyl phthalate		2.72 U	1.56 U	0.12 U	9.47 U	9.25 U	2.71 U	0.36 E
Diethyl phthalate		3.75 U	2.29 U	0.17 U	13.42 U	13.00 U	3.71 U	1.75 UE
Dimethyl phthalate		3.13 U	1.88 U	0.14 U	11.32 U	11.00 U	3.14 U	0.18 E
PCBs in µg/kg (dry)								
PCB-1221		150 U	130 U	100 U	32 U	32 U	170 U	120 U
PCB-1232		150 U	130 U	100 U	32 U	32 U	170 U	120 U
PCB-1016		150 U	130 U	100 U	32 U	32 U	170 U	120 U
PCB-1242		150 U	130 U	100 U	32 U	32 U	170 U	120 U
PCB-1248		150 U	130 U	100 U	32 U	32 U	170 U	120 U
PCB-1254		150 U	70 E	61 E	32 U	32 U	170 U	120 U
PCB-1260		150 U	130 U	100 U	32 U	32 U	170 U	120 U
Total PCBs		150 U	70 E	61 E	32 U	32 U	170 U	120 U
PCBs in mg/kg (OC)								
PCB-1221		4.69 U	2.71 U	0.20 U	8.42 U	8.00 U	4.86 U	2.14 U
PCB-1232		4.69 U	2.71 U	0.20 U	8.42 U	8.00 U	4.86 U	2.14 U
PCB-1016		4.69 U	2.71 U	0.20 U	8.42 U	8.00 U	4.86 U	2.14 U
PCB-1242		4.69 U	2.71 U	0.20 U	8.42 U	8.00 U	4.86 U	2.14 U
PCB-1248		4.69 U	2.71 U	0.20 U	8.42 U	8.00 U	4.86 U	2.14 U
PCB-1254		4.69 U	1.46 E	0.12 E	8.42 U	8.00 U	4.86 U	2.14 U
PCB-1260		4.69 U	2.71 U	0.20 U	8.42 U	8.00 U	4.86 U	2.14 U
Total PCBs		4.69 U	1.46 E	0.12 E	8.42 U	8.00 U	4.86 U	2.14 U
Phenols in µg/kg (dry)								
2,4-Dimethylphenol		1.6 E	10 E	17 E	19 U	19 U	3 E	4.5 E
2-Methylphenol		2 E	7.9 E	12 E	21 U	21 U	3.5 E	5.1 E
4-Methylphenol		400	1000	1200	11 E	23 U	440	610 E
Pentachlorophenol		4.7 E	18 E	14 E	37 U	37 U	14 E	10 E
Phenol		42 E	41 U	31 U	19 U	20 U	38 E	310 E
Total Phenols(detects only)		450.3	1036	1243	11		498.5	939.6

Table B-2 - Analytical Results for Vibracore Samples and Co-located Surface Sediment Samples

Lab-ID	9609041-18	9609012-18	9609012-19	9609041-9	9609041-10	9609041-11	9609041-12	9609012-20
Sample-ID	HC-VC-78-S2	HC-SC-79	HC-SC-205	HC-VC-79-S1	HC-VC-79-S2	HC-VC-79-S3	HC-VC-79-S4	HC-SC-80
Depth	2.7 to 4 ft	0 to .3 ft	0 to .3 ft	0 to 2 ft	2 to 3.8 ft	4 to 4.9 ft	4.9 to 7 ft	0 to .3 ft
Sampling Date	9/13/96	9/09/96	9/09/96 Dup of HC-SC-79	9/12/96	9/12/96	9/12/96	9/12/96	9/09/96
Conventionals in pct. (dry)								
Moisture	33	64	65	55	46	25	21	64
Total Organic Carbon	2	4.2	4.3	5.7	4.5	0.45	0.33	3.5
Metals in mg/kg (dry)								
Arsenic	5.8	13 E	11 E	12	11	7.6	6.8	10 E
Cadmium	0.81	2.4	2.2	4.6	4.7	0.9	0.9	1.4
Chromium	39	66	67	65	50	28	28	70
Copper	31	78	77	180	96	41	42	64
Lead	22	74	79	270	220	6.2	3.8 U	29
Mercury	0.42	1.8	1.5	8.1	2.2	0.13 U	0.14	0.56
Silver	0.75 U	1.3 U	1.3 U	1.1 U	0.95 U	0.68 U	0.64 U	1.3 U
Zinc	61	190	180	460	570	82	74	130
HPAHs in µg/kg (dry)								
Benz(a)anthracene	73 E	230	250	200 E	240 E	29 UE	28 UE	160
Benzo(a)pyrene	35 E	130	150	140 E	180 E	6.2 E	24 UE	110
Benzo(b)fluoranthene	71 EC	290 C	390 C	260 EC	310 EC	15 EC	7.4 EC	260 C
Benzo(ghi)perylene	46 UE	84 E	120	130 E	140 E	19 E	15 E	100
Benzo(k)fluoranthene	71 EC	290 C	390 C	260 EC	310 EC	15 EC	7.4 EC	260 C
Chrysene	81 E	270	390	280 E	320 E	30 UE	11 E	240
Dibenz(a,h)anthracene	46 UE	47 E	56 E	52 E	57 UE	41 UE	39 UE	17 E
Fluoranthene	290 E	380	430	590 E	730 E	27 E	24 UE	330
Indeno(1,2,3-cd)pyrene	21 E	74 E	110	100 E	120 E	39 UE	37 UE	81 E
Pyrene	220 E	370	470	460 E	650 E	47 E	14 E	310
Total benzofluoranthenes	71	290	390	260	310	15	7.4	260
Total HPAHs	791	1875	2366	2212	2690	114.2	47.4	1608
HPAHs in mg/kg (OC)								
Benz(a)anthracene	3.65 E	5.48	5.81	3.51 E	5.33 E	6.44 UE	8.48 UE	4.57
Benzo(a)pyrene	1.75 E	3.10	3.49	2.46 E	4.00 E	1.38 E	7.27 UE	3.14
Benzo(b)fluoranthene	3.55 EC	6.90 C	9.07 C	4.56 EC	6.89 EC	3.33 EC	2.24 EC	7.43 C
Benzo(ghi)perylene	2.30 UE	2.00 E	2.79	2.28 E	3.11 E	4.22 E	4.55 E	2.86
Benzo(k)fluoranthene	3.55 EC	6.90 C	9.07 C	4.56 EC	6.89 EC	3.33 EC	2.24 EC	7.43 C
Chrysene	4.05 E	6.43	9.07	4.91 E	7.11 E	6.67 UE	3.33 E	6.86
Dibenz(a,h)anthracene	2.30 UE	1.12 E	1.30 E	0.91 E	1.27 UE	9.11 UE	11.82 UE	0.49 E
Fluoranthene	14.50 E	9.05	10.00	10.35 E	16.22 E	6.00 E	7.27 UE	9.43
Indeno(1,2,3-cd)pyrene	1.05 E	1.76 E	2.56	1.75 E	2.67 E	8.67 UE	11.21 UE	2.31 E
Pyrene	11.00 E	8.81	10.93	8.07 E	14.44 E	10.44 E	4.24 E	8.86
Total benzofluoranthenes	3.55	6.90	9.07	4.56	6.89	3.33	2.24	7.43
Total HPAHs	39.55	44.64	55.02	38.81	59.78	25.38	14.36	45.94

Table B-2 - Analytical Results for Vibracore Samples and Co-located Surface Sediment Samples

Lab ID	9609041-18	9609012-18	9609012-19	9609041-9	9609041-10	9609041-11	9609041-12	9609012-20
Sample ID	HC-VC-78-S2	HC-SC-79	HC-SC-205	HC-VC-79-S1	HC-VC-79-S2	HC-VC-79-S3	HC-VC-79-S4	HC-SC-80
Depth	2.7 to 4 ft	0 to .3 ft	0 to .3 ft	0 to 2 ft	2 to 3.8 ft	4 to 4.9 ft	4.9 to 7 ft	0 to .3 ft
Sampling Date	9/13/96	9/09/96	9/09/96 Dup of HC-SC-79	9/12/96	9/12/96	9/12/96	9/12/96	9/09/96
LPAHs in µg/kg (dry)								
2-Methylnaphthalene	69 E	65	82	250 E	380 E	41 E	35 E	20 E
Acenaphthene	54 E	32 E	52	170 E	210 E	6.9 E	21 UE	19 E
Acenaphthylene	8.6 E	12 E	20 E	45 E	77 E	20 UE	19 UE	42 U
Anthracene	59 E	180	110	170 E	220 E	8.1 E	44 E	51
Fluorene	80 E	62	86	220 E	280 E	21 E	15 E	34 E
Naphthalene	100 E	110	170	540 E	800 E	35 E	8.8 E	57
Phenanthrene	340 E	240	290	820 E	1100 E2	70 E	43 E	190
Total LPAHs	641.6	636	728	1965	2687	141	110.8	351
LPAHs in mg/kg (OC)								
2-Methylnaphthalene	3.45 E	1.55	1.91	4.39 E	8.44 E	9.11 E	10.61 E	0.57 E
Acenaphthene	2.70 E	0.76 E	1.21	2.98 E	4.67 E	1.53 E	6.36 UE	0.54 E
Acenaphthylene	0.43 E	0.29 E	0.47 E	0.79 E	1.71 E	4.44 UE	5.76 UE	1.20 U
Anthracene	2.95 E	4.29	2.56	2.98 E	4.89 E	1.80 E	13.33 E	1.46
Fluorene	4.00 E	1.48	2.00	3.86 E	6.22 E	4.67 E	4.55 E	0.97 E
Naphthalene	5.00 E	2.62	3.95	9.47 E	17.78 E	7.78 E	2.67 E	1.63
Phenanthrene	17.00 E	5.71	6.74	14.39 E	24.44 E2	15.56 E	13.03 E	5.43
Total LPAHs	32.08	15.14	16.93	34.47	59.71	31.33	33.58	10.03
Semivolatiles in µg/kg (dry)								
1,2,4-Trichlorobenzene	23 UE	43 U	44 U	34 UE	29 UE	5.1 UE	4.9 UE	43 U
1,2-Dichlorobenzene	27 UE	51 U	52 U	13 E	11 E	6.1 UE	5.8 UE	51 U
1,4-Dichlorobenzene	25 UE	46 U	47 U	24 E	20 E	5.5 UE	5.2 UE	46 U
Benzoic Acid	97 UE	180 UE	210 UE	170 UE	180 UE	66 UE	44 UE	220 UE
Benzyl Alcohol	1.6 E	6 E	7.6 E	4.6 E	4.5 E	35 UE	33 UE	15 E
Dibenzofuran	49 E	34 E	54	120 E	160 E	7.3 E	22 UE	29 E
Hexachlorobenzene	2.5 U	4.6 U	4.8 U	12	3.1 U	1.1 U	1.1 U	4.6 U
Hexachlorobutadiene	2.5 U	4.6 U	4.8 U	3.7 U	3.1 U	1.1 U	1.1 U	4.6 U
N-Nitroso diphenylamine	96 E	57 U	59 U	46 UE	110 E	27 UE	26 UE	57 U
Semivolatiles in mg/kg (OC)								
1,2,4-Trichlorobenzene	1.15 UE	1.02 U	1.02 U	0.60 UE	0.64 UE	1.13 UE	1.48 UE	1.23 U
1,2-Dichlorobenzene	1.35 UE	1.21 U	1.21 U	0.23 E	0.24 E	1.36 UE	1.76 UE	1.46 U
1,4-Dichlorobenzene	1.25 UE	1.10 U	1.09 U	0.42 E	0.44 E	1.22 UE	1.58 UE	1.31 U
Benzoic Acid	4.85 UE	4.29 UE	4.88 UE	2.98 UE	4.00 UE	14.67 UE	13.33 UE	6.29 UE
Benzyl Alcohol	0.08 E	0.14 E	0.18 E	0.08 E	0.10 E	7.78 UE	10.00 UE	0.43 E
Dibenzofuran	2.45 E	0.81 E	1.26	2.11 E	3.56 E	1.62 E	6.67 UE	0.83 E
Hexachlorobenzene	0.13 U	0.11 U	0.11 U	0.21	0.07 U	0.24 U	0.33 U	0.13 U
Hexachlorobutadiene	0.13 U	0.11 U	0.11 U	0.06 U	0.07 U	0.24 U	0.33 U	0.13 U
N-Nitroso diphenylamine	4.80 E	1.36 U	1.37 U	0.81 UE	2.44 E	6.00 UE	7.88 UE	1.63 U

Table B-2 - Analytical Results for Vibracore Samples and Co-located Surface Sediment Samples

Lab-ID	9609048-13	9609048-14	9609048-15	9609042-20	9609024-9	9609048-3	9609048-5	9609048-4
Sample-ID	HC-VC-80-S1	HC-VC-80-S2	HC-VC-206	HC-VC-80-S3	HC-SC-81	HC-VC-81-S1	HC-VC-207	HC-VC-81-S2
Depth	0 to 1.7 ft	1.9 to 5.3 ft	1.9 to 5.3 ft	6.3 to 9 ft	0 to .3 ft	0 to 1.6 ft	0 to 1.6 ft	1.6 to 3.2 ft
Sampling Date	9/17/96	9/17/96	9/12/96 Dup of HC-VC-80-S2	9/12/96	9/09/96	9/16/96	9/12/96 Dup of HC-VC-81-S1	9/16/96
LPAHs in µg/kg (dry)								
2-Methylnaphthalene	270	850	730		190	240	330	570
Acenaphthene	180	430	450		170	220	440	630
Acenaphthylene	120	53 U	59 U		67	120	100	310
Anthracene	290	120 U	140 U		340	370	670	560
Fluorene	250	730	630		240	270	350	680
Naphthalene	1100	940	840		540	830	960	1700
Phenanthrene	890	3100	2700		980	1000	960	1900
Total LPAHs	2830	5200	4620		2337	2810	3480	5780
LPAHs in mg/kg (OC)								
2-Methylnaphthalene	6.00	6.07	5.21		4.52	6.00	7.33	10.36
Acenaphthene	4.00	3.07	3.21		4.05	5.50	9.78	11.45
Acenaphthylene	2.67	0.38 U	0.42 U		1.60	3.00	2.22	5.64
Anthracene	6.44	0.86 U	1.00 U		8.10	9.25	14.89	10.18
Fluorene	5.56	5.21	4.50		5.71	6.75	7.78	12.36
Naphthalene	24.44	6.71	6.00		12.86	20.75	21.33	30.91
Phenanthrene	19.78	22.14	19.29		23.33	25.00	21.33	34.55
Total LPAHs	62.89	37.14	33.00		55.64	70.25	77.33	105.09
Semivolatiles in µg/kg (dry)								
1,2,4-Trichlorobenzene	37 U	53 U	100		45 U	35 U	34 U	37 U
1,2-Dichlorobenzene	43 U	150	140		54 U	9.5 E	40 U	92
1,4-Dichlorobenzene	32 E	160	130		49 U	15 E	19 E	47
Benzoic Acid	250 E	510	500		480	250 E	250 E	570
Benzyl Alcohol	18 E	11 E	14 E		54 E	28 E	21 E	46 E
Dibenzofuran	270	60 U	67 U		230	280	340	650
Hexachlorobenzene	11	110	210		4.9 U	10	10	8.9
Hexachlorobutadiene	4 U	5.7 U	6.4 U		4.9 U	3.8 U	3.7 U	4 U
N-Nitroso diphenylamine	49 U	140 U	190		60 U	47 U	46 U	49 U
Semivolatiles in mg/kg (OC)								
1,2,4-Trichlorobenzene	0.82 U	0.38 U	0.71		1.07 U	0.88 U	0.76 U	0.67 U
1,2-Dichlorobenzene	0.96 U	1.07	1.00		1.29 U	0.24 E	0.89 U	1.67
1,4-Dichlorobenzene	0.71 E	1.14	0.93		1.17 U	0.38 E	0.42 E	0.85
Benzoic Acid	5.56 E	3.64	3.57		11.43	6.25 E	5.56 E	10.36
Benzyl Alcohol	0.40 E	0.08 E	0.10 E		1.29 E	0.70 E	0.47 E	0.84 E
Dibenzofuran	6.00	0.43 U	0.48 U		5.48	7.00	7.56	11.82
Hexachlorobenzene	0.24	0.79	1.50		0.12 U	0.25	0.22	0.16
Hexachlorobutadiene	0.09 U	0.04 U	0.05 U		0.12 U	0.10 U	0.08 U	0.07 U
N-Nitroso diphenylamine	1.09 U	1.00 U	1.36		1.43 U	1.18 U	1.02 U	0.89 U

Table B-2 - Analytical Results for Vibracore Samples and Co-located Surface Sediment Samples

Lab-ID	9609048-13	9609048-14	9609048-15	9609042-20	9609024-9	9609048-3	9609048-5	9609048-4
Sample-ID	HC-VC-80-S1	HC-VC-80-S2	HC-VC-206	HC-VC-80-S3	HC-SC-81	HC-VC-81-S1	HC-VC-207	HC-VC-81-S2
Depth	0 to 1.7 ft	1.9 to 5.3 ft	1.9 to 5.3 ft	6.3 to 9 ft	0 to .3 ft	0 to 1.6 ft	0 to 1.6 ft	1.6 to 3.2 ft
Sampling Date	9/17/96	9/17/96	9/12/96 Dup of HC-VC-80-S2	9/12/96	9/09/96	9/16/96	9/12/96 Dup of HC-VC-81-S1	9/16/96
Phthalates in µg/kg (dry)								
Bis(2-ethylhexyl)phthalate	840	910	910		2300	1700	1200	1300
Butyl benzyl phthalate	230	210 U	240 U		160	170	190	280
Di-n-butyl phthalate	64 UE	160 U	180 U		68 E	50 UE	44 U	56 U
Di-n-octyl phthalate	37 E	200 U	110 U		84 U	61 E	51 E	54 E
Diethyl phthalate	12 E	140 U	150 U		120 U	91 U	89 U	14 E
Dimethyl phthalate	19 E	120 U	130 U		63 E	26 E	31 E	81 U
Phthalates in mg/kg (OC)								
Bis(2-ethylhexyl)phthalate	18.67	6.50	6.50		54.76	42.50	26.67	23.64
Butyl benzyl phthalate	5.11	1.50 U	1.71 U		3.81	4.25	4.22	5.09
Di-n-butyl phthalate	1.42 UE	1.14 U	1.29 U		1.62 E	1.25 UE	0.98 U	1.02 U
Di-n-octyl phthalate	0.82 E	1.43 U	0.79 U		2.00 U	1.53 E	1.13 E	0.98 E
Diethyl phthalate	0.27 E	1.00 U	1.07 U		2.86 U	2.28 U	1.98 U	0.25 E
Dimethyl phthalate	0.42 E	0.86 U	0.93 U		1.50 E	0.65 E	0.69 E	1.47 U
PCBs in µg/kg (dry)								
PCB-1221	120 U	170 U	190 U		150 U	110 U	110 U	120 U
PCB-1232	120 U	170 U	190 U		150 U	110 U	110 U	120 U
PCB-1016	120 U	170 U	190 U		150 U	110 U	110 U	120 U
PCB-1242	120 U	170 U	190 U		150 U	110 U	110 U	120 U
PCB-1248	120 U	170 U	190 U		150 U	110 U	110 U	120 U
PCB-1254	98 E	460	690		150 U	96 E	66 E	230
PCB-1260	120 U	170 U	190 U		150 U	110 U	110 U	120 U
Total PCBs	98 E	460	690		150 U	96 E	66 E	230
PCBs in mg/kg (OC)								
PCB-1221	2.67 U	1.21 U	1.36 U		3.57 U	2.75 U	2.44 U	2.18 U
PCB-1232	2.67 U	1.21 U	1.36 U		3.57 U	2.75 U	2.44 U	2.18 U
PCB-1016	2.67 U	1.21 U	1.36 U		3.57 U	2.75 U	2.44 U	2.18 U
PCB-1242	2.67 U	1.21 U	1.36 U		3.57 U	2.75 U	2.44 U	2.18 U
PCB-1248	2.67 U	1.21 U	1.36 U		3.57 U	2.75 U	2.44 U	2.18 U
PCB-1254	2.18 E	3.29	4.93		3.57 U	2.40 E	1.47 E	4.18
PCB-1260	2.67 U	1.21 U	1.36 U		3.57 U	2.75 U	2.44 U	2.18 U
Total PCBs	2.18 E	3.29	4.93		3.57 U	2.40 E	1.47 E	4.18
Phenols in µg/kg (dry)								
2,4-Dimethylphenol	8.1 E	31 E	30 E		6.1 E	7.4 E	6.3 E	21 E
2-Methylphenol	25 E	50 E	26 E		8.1 E	9.9 E	7.1 E	52
4-Methylphenol	3200	21000	18000		460	1100	1300	5600
Pentachlorophenol	28 E	150	130		62 E	33 E	36 E	42 E
Phenol	120	440	360		960	35 U	34 U	330
Total Phenols(detects only)	3381	21671	18546		1496	1150	1349.4	6045

Table B-2 - Analytical Results for Vibracore Samples and Co-located Surface Sediment Samples

Lab-ID	9609041-18	9609012-18	9609012-19	9609041-9	9609041-10	9609041-11	9609041-12	9609012-20
Sample-ID	HC-VC-78-S2	HC-SC-79	HC-SC-205	HC-VC-79-S1	HC-VC-79-S2	HC-VC-79-S3	HC-VC-79-S4	HC-SC-80
Depth	2.7 to 4 ft	0 to .3 ft	0 to .3 ft	0 to 2 ft	2 to 3.8 ft	4 to 4.9 ft	4.9 to 7 ft	0 to .3 ft
Sampling Date	9/13/96	9/09/96	9/09/96 Dup of HC-SC-79	9/12/96	9/12/96	9/12/96	9/12/96	9/09/96
Phthalates in µg/kg (dry)								
Bis(2-ethylhexyl)phthalate	110 E	240	210	350 E	160 UE	15 UE	18 UE	290
Butyl benzyl phthalate	46 UE	34 E	30 E	68 UE	57 UE	3.7 E	18 E	23 E
Di-n-butyl phthalate	35 UE	66 U	67 U	52 UE	44 UE	10 E	8.4 E	38 E
Di-n-octyl phthalate	43 UE	79 U	82 U	64 UE	53 UE	38 UE	36 UE	79 U
Diethyl phthalate	60 UE	110 U	20 E	89 UE	74 UE	54 UE	51 UE	110 U
Dimethyl phthalate	51 UE	95 U	98 U	76 UE	63 UE	46 UE	43 UE	95 U
Phthalates in mg/kg (OC)								
Bis(2-ethylhexyl)phthalate	5.50 E	5.71	4.88	6.14 E	3.56 UE	3.33 UE	5.45 UE	8.29
Butyl benzyl phthalate	2.30 UE	0.81 E	0.70 E	1.19 UE	1.27 UE	0.82 E	5.45 E	0.66 E
Di-n-butyl phthalate	1.75 UE	1.57 U	1.56 U	0.91 UE	0.98 UE	2.22 E	2.55 E	1.09 E
Di-n-octyl phthalate	2.15 UE	1.88 U	1.91 U	1.12 UE	1.18 UE	8.44 UE	10.91 UE	2.26 U
Diethyl phthalate	3.00 UE	2.62 U	0.47 E	1.56 UE	1.64 UE	12.00 UE	15.45 UE	3.14 U
Dimethyl phthalate	2.55 UE	2.26 U	2.28 U	1.33 UE	1.40 UE	10.22 UE	13.03 UE	2.71 U
PCBs in µg/kg (dry)								
PCB-1221	75 U	140 U	140 U	110 U	93 U	33 U	32 U	140 U
PCB-1232	75 U	140 U	140 U	110 U	93 U	33 U	32 U	140 U
PCB-1016	75 U	140 U	140 U	110 U	93 U	33 U	32 U	140 U
PCB-1242	75 U	140 U	140 U	110 U	93 U	33 U	32 U	140 U
PCB-1248	48 E	140 U	140 U	180	64 E	33 U	32 U	140 U
PCB-1254	75 U	230	140 U	110 U	93 U	33 U	32 U	140 U
PCB-1260	75 U	140 U	140	120	85 E	33 U	32 U	140 U
Total PCBs	48 E	230	140	300	149	33 U	32 U	140 U
PCBs in mg/kg (OC)								
PCB-1221	3.75 U	3.33 U	3.26 U	1.93 U	2.07 U	7.33 U	9.70 U	4.00 U
PCB-1232	3.75 U	3.33 U	3.26 U	1.93 U	2.07 U	7.33 U	9.70 U	4.00 U
PCB-1016	3.75 U	3.33 U	3.26 U	1.93 U	2.07 U	7.33 U	9.70 U	4.00 U
PCB-1242	3.75 U	3.33 U	3.26 U	1.93 U	2.07 U	7.33 U	9.70 U	4.00 U
PCB-1248	2.40 E	3.33 U	3.26 U	3.16	1.42 E	7.33 U	9.70 U	4.00 U
PCB-1254	3.75 U	5.48	3.26 U	1.93 U	2.07 U	7.33 U	9.70 U	4.00 U
PCB-1260	3.75 U	3.33 U	3.26	2.11	1.89 E	7.33 U	9.70 U	4.00 U
Total PCBs	2.40 E	5.48	3.26	5.26	3.31	7.33 U	9.70 U	4.00 U
Phenols in µg/kg (dry)								
2,4-Dimethylphenol	3.9 E	8.4 E	10 E	27 E	27 E	20 UE	19 UE	2.1 E
2-Methylphenol	2.8 E	15 E	16 E	16 E	17 E	22 UE	21 UE	3 E
4-Methylphenol	810 E	1600	2000	3200 E	3400 E	74 E	22 UE	290
Pentachlorophenol	6.7 E	16 E	19 E	22 E	23 E	39 UE	37 UE	12 E
Phenol	54 E	48	70	130 E	62 E	5 UE	19 UE	41 E
Total Phenols(detects only)	877.4	1687	2115	3395	3529	79		348.1

Table B-2 - Analytical Results for Vibracore Samples and Co-located Surface Sediment Samples

Lab-ID	9609048-13	9609048-14	9609048-15	9609042-20	9609024-9	9609048-3	9609048-5	9609048-4
Sample-ID	HC-VC-80-S1	HC-VC-80-S2	HC-VC-206	HC-VC-80-S3	HC-SC-81	HC-VC-81-S1	HC-VC-207	HC-VC-81-S2
Depth	0 to 1.7 ft	1.9 to 5.3 ft	1.9 to 5.3 ft	6.3 to 9 ft	0 to .3 ft	0 to 1.6 ft	0 to 1.6 ft	1.6 to 3.2 ft
Sampling Date	9/17/96	9/17/96	9/12/96 Dup of HC-VC-80-S2	9/12/96	9/09/96	9/16/96	9/12/96 Dup of HC-VC-81-S1	9/16/96
Conventionals in pct. (dry)								
Moisture	58	71	74	27	66	56	55	58
Total Organic Carbon	4.5	14	14		4.2	4	4.5	5.5
Metals in mg/kg (dry)								
Arsenic	9.7	19	21		10	9.1	8.9	9.4
Cadmium	2	5.6	7.7		1.5 U	1.6	1.5	2.3
Chromium	68 E	140 E	150 E		61	59 E	54 E	87 E
Copper	73 E	120 E	140 E		71	68 E	67 E	84 E
Lead	73 E	260 E	300 E		50	75 E	69 E	110 E
Mercury	1	12	14	0.19	0.42	0.93	0.84	1.2
Silver	1.2 U	1.8 U	2 U		1.7	1.1 U	1.2 U	1.2 U
Zinc	150	280	340		160	160	160	210
HPAHs in µg/kg (dry)								
Benz(a)anthracene	410	150 U	170 U		710	710	630	840
Benzo(a)pyrene	330	260	290		550	670	540	600
Benzo(b)fluoranthene	690 C	460 C	510 C		660	1300 C	1100 C	1200 C
Benzo(ghi)perylene	380	180	180		440	650	590	570
Benzo(k)fluoranthene	690 C	460 C	510 C		550	1300 C	1100 C	1200 C
Chrysene	550	620	650		920	1000	910	1300
Dibenz(a,h)anthracene	120	90	91 E		180	70 U	230	210
Fluoranthene	970	1200	1000		1400	1400	1200	2100
Indeno(1,2,3-cd)pyrene	290	150	150		380	560	470	460
Pyrene	1200	850	180 U		2000	2200	1700	2500
Total benzofluoranthenes	690	460	510		1210	1300	1100	1200
Total HPAHs	4940	3810	2871		7790	8490	7370	9780
HPAHs in mg/kg (OC)								
Benz(a)anthracene	9.11	1.07 U	1.21 U		16.90	17.75	14.00	15.27
Benzo(a)pyrene	7.33	1.86	2.07		13.10	16.75	12.00	10.91
Benzo(b)fluoranthene	15.33 C	3.29 C	3.64 C		15.71	32.50 C	24.44 C	21.82 C
Benzo(ghi)perylene	8.44	1.29	1.29		10.48	16.25	13.11	10.36
Benzo(k)fluoranthene	15.33 C	3.29 C	3.64 C		13.10	32.50 C	24.44 C	21.82 C
Chrysene	12.22	4.43	4.64		21.90	25.00	20.22	23.64
Dibenz(a,h)anthracene	2.67	0.64	0.65 E		4.29	1.75 U	5.11	3.82
Fluoranthene	21.56	8.57	7.14		33.33	35.00	26.67	38.18
Indeno(1,2,3-cd)pyrene	6.44	1.07	1.07		9.05	14.00	10.44	8.36
Pyrene	26.67	6.07	1.29 U		47.62	55.00	37.78	45.45
Total benzofluoranthenes	15.33	3.29	3.64		28.81	32.50	24.44	21.82
Total HPAHs	109.78	27.21	20.51		185.48	212.25	163.78	177.82

Table B-2 - Analytical Results for Vibracore Samples and Co-located Surface Sediment Samples

Lab-ID	9609042-15	9609042-16	9609024-10	9609048-16	9609048-17	9609047-1	9609047-2	9609012-9
Sample-ID	HC-VC-81-S3	HC-VC-81-S4	HC-SC-82	HC-VC-82-S1	HC-VC-82-S2	HC-VC-82-S3	HC-VC-82-S4	HC-SC-83
Depth	3.2 to 4.7 ft	5.3 to 8 ft	0 to .3 ft	0 to 2.3 ft	2.6 to 5.2 ft	5.3 to 6.8 ft	7 to 10.1 ft	0 to .3 ft
Sampling Date	9/12/96	9/12/96	9/09/96	9/17/96	9/17/96	9/12/96	9/12/96	9/09/96
Conventionals in pct. (dry)								
Moisture	21	20	68	59	65	62	14	62
Total Organic Carbon			4.2	6.7	11			3
Metals in mg/kg (dry)								
Arsenic			11	8.6	11			12 E
Cadmium			1.6 U	2.3	3.1			1.3 U
Chromium			66	78 E	110 E			69
Copper			68	83 E	360 E			55
Lead			41	140 E	140 E			14
Mercury	0.12 U	0.12 U	0.33	1.4	2	1.3	0.11 U	0.72
Silver			1.6 U	1.2 U	1.5			1.3 U
Zinc			150	210	250			97
HPAHs in µg/kg (dry)								
Benz(a)anthracene			240	500	520 E			12 E
Benzo(a)pyrene			200	430	390 E			14 E
Benzo(b)fluoranthene			470 C	850 C	380 E			62 U
Benzo(ghi)perylene			230	420	260 E			81 U
Benzo(k)fluoranthene			470 C	850 C	330 E			78 U
Chrysene			360	710	750 E			25 E
Dibenz(a,h)anthracene			96 U	160	120 E			81 U
Fluoranthene			510	1300	1700 E			21 E
Indeno(1,2,3-cd)pyrene			180	340	220 E			78 U
Pyrene			620	1400	870 E			26 E
Total benzofluoranthenes			470	850	710			78 U
Total HPAHs			2810	6110	5540			98
HPAHs in mg/kg (OC)								
Benz(a)anthracene			5.71	7.46	4.73 E			0.40 E
Benzo(a)pyrene			4.76	6.42	3.55 E			0.47 E
Benzo(b)fluoranthene			11.19 C	12.69 C	3.45 E			2.07 U
Benzo(ghi)perylene			5.48	6.27	2.36 E			2.70 U
Benzo(k)fluoranthene			11.19 C	12.69 C	3.00 E			2.60 U
Chrysene			8.57	10.60	6.82 E			0.83 E
Dibenz(a,h)anthracene			2.29 U	2.39	1.09 E			2.70 U
Fluoranthene			12.14	19.40	15.45 E			0.70 E
Indeno(1,2,3-cd)pyrene			4.29	5.07	2.00 E			2.60 U
Pyrene			14.76	20.90	7.91 E			0.87 E
Total benzofluoranthenes			11.19	12.69	6.45			2.60 U
Total HPAHs			66.90	91.19	50.36			3.27

Table B-2 - Analytical Results for Vibracore Samples and Co-located Surface Sediment Samples

Lab-ID	9609042-15	9609042-16	9609024-10	9609048-16	9609048-17	9609047-1	9609047-2	9609012-9
Sample-ID	HC-VC-81-S3	HC-VC-81-S4	HC-SC-82	HC-VC-82-S1	HC-VC-82-S2	HC-VC-82-S3	HC-VC-82-S4	HC-SC-83
Depth	3.2 to 4.7 ft	5.3 to 8 ft	0 to .3 ft	0 to 2.3 ft	2.6 to 5.2 ft	5.3 to 6.8 ft	7 to 10.1 ft	0 to .3 ft
Sampling Date	9/12/96	9/12/96	9/09/96	9/17/96	9/17/96	9/12/96	9/12/96	9/09/96
LPAHs in µg/kg (dry)								
2-Methylnaphthalene			16 E	290	1100 E			44 U
Acenaphthene			21 E	260	540 E			44 U
Acenaphthylene			48 U	120	170 E			40 U
Anthracene			98	330	500 E			47 U
Fluorene			35 E	350	690 E			51 U
Naphthalene			31 E	930	2200 E			45 U
Phenanthrene			280	1100	2400 E			15 E
Total LPAHs			465	3090	6500			15
LPAHs in mg/kg (OC)								
2-Methylnaphthalene			0.38 E	4.33	10.00 E			1.47 U
Acenaphthene			0.50 E	3.88	4.91 E			1.47 U
Acenaphthylene			1.14 U	1.79	1.55 E			1.33 U
Anthracene			2.33	4.93	4.55 E			1.57 U
Fluorene			0.83 E	5.22	6.27 E			1.70 U
Naphthalene			0.74 E	13.88	20.00 E			1.50 U
Phenanthrene			6.67	16.42	21.82 E			0.50 E
Total LPAHs			11.07	46.12	59.09			0.50
Semivolatiles in µg/kg (dry)								
1,2,4-Trichlorobenzene			48 U	38 U	44 UE			41 U
1,2-Dichlorobenzene			57 U	12 E	52 UE			48 U
1,4-Dichlorobenzene			52 U	40 U	21 E			44 U
Benzoic Acid			230 UE	260 E	370 E			160 UE
Benzyl Alcohol			24 E	27 E	20 E			2.5 E
Dibenzofuran			25 E	320	400 E			46 U
Hexachlorobenzene			5.2 U	15	20			4.4 U
Hexachlorobutadiene			5.2 U	4.1 U	4.8 U			4.4 U
N-Nitroso diphenylamine			64 U	50 U	430 E			54 U
Semivolatiles in mg/kg (OC)								
1,2,4-Trichlorobenzene			1.14 U	0.57 U	0.40 UE			1.37 U
1,2-Dichlorobenzene			1.36 U	0.18 E	0.47 UE			1.60 U
1,4-Dichlorobenzene			1.24 U	0.60 U	0.19 E			1.47 U
Benzoic Acid			5.48 UE	3.88 E	3.36 E			5.33 UE
Benzyl Alcohol			0.57 E	0.40 E	0.18 E			0.08 E
Dibenzofuran			0.60 E	4.78	3.64 E			1.53 U
Hexachlorobenzene			0.12 U	0.22	0.18			0.15 U
Hexachlorobutadiene			0.12 U	0.06 U	0.04 U			0.15 U
N-Nitroso diphenylamine			1.52 U	0.75 U	3.91 E			1.80 U

Table B-2 - Analytical Results for Vibracore Samples and Co-located Surface Sediment Samples

Lab-ID	9609042-15	9609042-16	9609024-10	9609048-16	9609048-17	9609047-1	9609047-2	9609012-9
Sample-ID	HC-VC-81-S3	HC-VC-81-S4	HC-SC-82	HC-VC-82-S1	HC-VC-82-S2	HC-VC-82-S3	HC-VC-82-S4	HC-SC-83
Depth	3.2 to 4.7 ft	5.3 to 8 ft	0 to .3 ft	0 to 2.3 ft	2.6 to 5.2 ft	5.3 to 6.8 ft	7 to 10.1 ft	0 to .3 ft
Sampling Date	9/12/96	9/12/96	9/09/96	9/17/96	9/17/96	9/12/96	9/12/96	9/09/96
Phthalates in µg/kg (dry)								
Bis(2-ethylhexyl)phthalate			580	1300	690 E			50 U
Butyl benzyl phthalate			57 E	200	95 E			81 U
Di-n-butyl phthalate			74 U	72 U	100 E			17 E
Di-n-octyl phthalate			89 U	46 E	82 UE			75 U
Diethyl phthalate			130 U	98 U	110 UE			106 U
Dimethyl phthalate			110 U	32 E	98 UE			90 U
Phthalates in mg/kg (OC)								
Bis(2-ethylhexyl)phthalate			13.81	19.40	6.27 E			1.67 U
Butyl benzyl phthalate			1.36 E	2.99	0.86 E			2.70 U
Di-n-butyl phthalate			1.76 U	1.07 U	0.91 E			0.57 E
Di-n-octyl phthalate			2.12 U	0.69 E	0.75 UE			2.50 U
Diethyl phthalate			3.10 U	1.46 U	1.00 UE			3.53 U
Dimethyl phthalate			2.62 U	0.48 E	0.89 UE			3.00 U
PCBs in µg/kg (dry)								
PCB-1221			160 U	120 U	140 U			130 U
PCB-1232			160 U	120 U	140 U			130 U
PCB-1016			160 U	120 U	140 U			130 U
PCB-1242			160 U	120 U	140 U			130 U
PCB-1248			160 U	120 U	140 U			130 U
PCB-1254			160 U	140	180			130 U
PCB-1260			160 U	120 U	140 U			130 U
Total PCBs			160 U	140	180			130 U
PCBs in mg/kg (OC)								
PCB-1221			3.81 U	1.79 U	1.27 U			4.33 U
PCB-1232			3.81 U	1.79 U	1.27 U			4.33 U
PCB-1016			3.81 U	1.79 U	1.27 U			4.33 U
PCB-1242			3.81 U	1.79 U	1.27 U			4.33 U
PCB-1248			3.81 U	1.79 U	1.27 U			4.33 U
PCB-1254			3.81 U	2.09	1.64			4.33 U
PCB-1260			3.81 U	1.79 U	1.27 U			4.33 U
Total PCBs			3.81 U	2.09	1.64			4.33 U
Phenols in µg/kg (dry)								
2,4-Dimethylphenol			2.7 E	12 E	43			6.3 E
2-Methylphenol			4.2 E	30 E	45 E			4.5 E
4-Methylphenol			340	3100	18000			110
Pentachlorophenol			27 E	28 E	81 E			4.8 E
Phenol			1100	130	680			21 E
Total Phenols(detects only)			1474	3300	18849			146.6

Table B-2 - Analytical Results for Vibracore Samples and Co-located Surface Sediment Samples

Lab-ID	9609041-5	9609041-6	9609042-4	9609012-10	9609041-13	9609041-14	9609042-6
Sample-ID	HC-VC-83-S1	HC-VC-83-S2	HC-VC-83-S3	HC-SC-84	HC-VC-84-S1	HC-VC-84-S2	HC-VC-84-S3
Depth	0 to 2.6 ft	5.9 to 7.9 ft	2.6 to 5.3 ft	0 to .3 ft	0 to 1.4 ft	2 to 4.9 ft	5.3 to 6.3 ft
Sampling Date	9/12/96	9/12/96	9/10/96	9/09/96	9/11/96	9/11/96	9/11/96
Conventionals in pct. (dry)							
Moisture	54	52	52	60	51	49	46
Total Organic Carbon	3.8	2.3		2.7	2.9	7	
Metals in mg/kg (dry)							
Arsenic	11	10		12 E	10	11	
Cadmium	1.4	1.6		1.3	1.1	2.1	
Chromium	67	50		71	59	85	
Copper	63	44		62	58	78	
Lead	21	8.7		15	16	44	
Mercury	1.4	0.21 U	3.6	0.5	0.65	2.2	6.7
Silver	1.1 U	1.1 U		1.1 U	1 U	0.97 U	
Zinc	110	78		110	100	140	
HPAHs in µg/kg (dry)							
Benz(a)anthracene	82	45 U		44 E	56 E	130 E	
Benzo(a)pyrene	67	40		32 E	45 E	89 E	
Benzo(b)fluoranthene	150 C	64 C		81 C	120 EC	170 EC	
Benzo(ghi)perylene	84	57 E		34 E	49 E	100 E	
Benzo(k)fluoranthene	150 C	64 C		81 C	120 EC	170 EC	
Chrysene	110	40 E		79	94 E	170 E	
Dibenz(a,h)anthracene	27 E	64 U		19 E	19 E	40 E	
Fluoranthene	230	140		120	160 E	390 E	
Indeno(1,2,3-cd)pyrene	61 E	29 E		26 E	39 E	76 E	
Pyrene	340	180		130	200 E	430 E	
Total benzofluoranthenes	150	64		81	120	170	
Total HPAHs	1151	550		565	782	1595	
HPAHs in mg/kg (OC)							
Benz(a)anthracene	2.16	1.96 U		1.63 E	1.93 E	1.86 E	
Benzo(a)pyrene	1.76	1.74		1.19 E	1.55 E	1.27 E	
Benzo(b)fluoranthene	3.95 C	2.78 C		3.00 C	4.14 EC	2.43 EC	
Benzo(ghi)perylene	2.21	2.48 E		1.26 E	1.69 E	1.43 E	
Benzo(k)fluoranthene	3.95 C	2.78 C		3.00 C	4.14 EC	2.43 EC	
Chrysene	2.89	1.74 E		2.93	3.24 E	2.43 E	
Dibenz(a,h)anthracene	0.71 E	2.78 U		0.70 E	0.66 E	0.57 E	
Fluoranthene	6.05	6.09		4.44	5.52 E	5.57 E	
Indeno(1,2,3-cd)pyrene	1.61 E	1.26 E		0.96 E	1.34 E	1.09 E	
Pyrene	8.95	7.83		4.81	6.90 E	6.14 E	
Total benzofluoranthenes	3.95	2.78		3.00	4.14	2.43	
Total HPAHs	30.29	23.91		20.93	26.97	22.79	

Table B-2 - Analytical Results for Vibracore Samples and Co-located Surface Sediment Samples

Lab-ID	9609041-5	9609041-6	9609042-4	9609012-10	9609041-13	9609041-14	9609042-6
Sample-ID	HC-VC-83-S1	HC-VC-83-S2	HC-VC-83-S3	HC-SC-84	HC-VC-84-S1	HC-VC-84-S2	HC-VC-84-S3
Depth	0 to 2.6 ft	5.9 to 7.9 ft	2.6 to 5.3 ft	0 to .3 ft	0 to 1.4 ft	2 to 4.9 ft	5.3 to 6.3 ft
Sampling Date	9/12/96	9/12/96	9/10/96	9/09/96	9/11/96	9/11/96	9/11/96
LPAHs in µg/kg (dry)							
2-Methylnaphthalene	95	34 E		30 E	56 E	220 E	
Acenaphthene	30 E	23 E		42 U	15 E	63 E	
Acenaphthylene	30 E	58		38 U	14 E	30 E	
Anthracene	66	32 E		21 E	35 E	120 E	
Fluorene	57	31 E		18 E	30 E	140 E	
Naphthalene	200	170		49	120 E	350 E	
Phenanthrene	200	140		73	120 E	320 E	
Total LPAHs	583	454		161	334	1023	
LPAHs in mg/kg (OC)							
2-Methylnaphthalene	2.50	1.48 E		1.11 E	1.93 E	3.14 E	
Acenaphthene	0.79 E	1.00 E		1.56 U	0.52 E	0.90 E	
Acenaphthylene	0.79 E	2.52		1.41 U	0.48 E	0.43 E	
Anthracene	1.74	1.39 E		0.78 E	1.21 E	1.71 E	
Fluorene	1.50	1.35 E		0.67 E	1.03 E	2.00 E	
Naphthalene	5.26	7.39		1.81	4.14 E	5.00 E	
Phenanthrene	5.26	6.09		2.70	4.14 E	4.57 E	
Total LPAHs	15.34	19.74		5.96	11.52	14.61	
Semivolatiles in µg/kg (dry)							
1,2,4-Trichlorobenzene	33 U	32 U		39 U	31 UE	30 UE	
1,2-Dichlorobenzene	40 U	38 U		46 U	37 UE	36 UE	
1,4-Dichlorobenzene	36 U	34 U		41 U	34 UE	16 E	
Benzoic Acid	220 UE	130 UE		190 UE	130 UE	220 UE	
Benzyl Alcohol	57 U	55 U		5.1 E	2.4 E	4.1 E	
Dibenzofuran	71	29 E		22 E	41 E	140 E	
Hexachlorobenzene	6.7	3.5 U		4.2 U	4.5	18	
Hexachlorobutadiene	3.6 U	3.5 U		4.2 U	3.4 U	3.3 U	
N-Nitroso diphenylamine	45 U	43 U		51 U	42 UE	40 UE	
Semivolatiles in mg/kg (OC)							
1,2,4-Trichlorobenzene	0.87 U	1.39 U		1.44 U	1.07 UE	0.43 UE	
1,2-Dichlorobenzene	1.05 U	1.65 U		1.70 U	1.28 UE	0.51 UE	
1,4-Dichlorobenzene	0.95 U	1.48 U		1.52 U	1.17 UE	0.23 E	
Benzoic Acid	5.79 UE	5.65 UE		7.04 UE	4.48 UE	3.14 UE	
Benzyl Alcohol	1.50 U	2.39 U		0.19 E	0.08 E	0.06 E	
Dibenzofuran	1.87	1.26 E		0.81 E	1.41 E	2.00 E	
Hexachlorobenzene	0.18	0.15 U		0.16 U	0.16	0.26	
Hexachlorobutadiene	0.09 U	0.15 U		0.16 U	0.12 U	0.05 U	
N-Nitroso diphenylamine	1.18 U	1.87 U		1.89 U	1.45 UE	0.57 UE	

Table B-2 - Analytical Results for Vibracore Samples and Co-located Surface Sediment Samples

Lab-ID	9609041-5	9609041-6	9609042-4	9609012-10	9609041-13	9609041-14	9609042-6
Sample-ID	HC-VC-83-S1	HC-VC-83-S2	HC-VC-83-S3	HC-SC-84	HC-VC-84-S1	HC-VC-84-S2	HC-VC-84-S3
Depth	0 to 2.6 ft	5.9 to 7.9 ft	2.6 to 5.3 ft	0 to .3 ft	0 to 1.4 ft	2 to 4.9 ft	5.3 to 6.3 ft
Sampling Date	9/12/96	9/12/96	9/10/96	9/09/96	9/11/96	9/11/96	9/11/96
Phthalates in µg/kg (dry)							
Bis(2-ethylhexyl)phthalate	190	33 UE		100	150 UE	330 E	
Butyl benzyl phthalate	67 U	64 U		12 E	20 E	24 E	
Di-n-butyl phthalate	51 U	11 E		27 E	17 E	46 UE	
Di-n-octyl phthalate	62 U	60 U		72 U	13 E	56 UE	
Diethyl phthalate	87 U	84 U		100 U	82 UE	79 UE	
Dimethyl phthalate	74 U	71 U		86 U	9.9 E	67 UE	
Phthalates in mg/kg (OC)							
Bis(2-ethylhexyl)phthalate	5.00	1.43 UE		3.70	5.17 UE	4.71 E	
Butyl benzyl phthalate	1.76 U	2.78 U		0.44 E	0.69 E	0.34 E	
Di-n-butyl phthalate	1.34 U	0.48 E		1.00 E	0.59 E	0.66 UE	
Di-n-octyl phthalate	1.63 U	2.61 U		2.67 U	0.45 E	0.80 UE	
Diethyl phthalate	2.29 U	3.65 U		3.70 U	2.83 UE	1.13 UE	
Dimethyl phthalate	1.95 U	3.09 U		3.19 U	0.34 E	0.96 UE	
PCBs in µg/kg (dry)							
PCB-1221	110 U	100 U		130 U	100 U	98 U	
PCB-1232	110 U	100 U		130 U	100 U	98 U	
PCB-1016	110 U	100 U		130 U	100 U	98 U	
PCB-1242	110 U	100 U		130 U	100 U	98 U	
PCB-1248	110 U	100 U		130 U	100 U	110	
PCB-1254	110 U	100 U		130 U	100 U	98 U	
PCB-1260	110 U	100 U		130 U	100 U	84 E	
Total PCBs	110 U	100 U		130 U	100 U	194	
PCBs in mg/kg (OC)							
PCB-1221	2.89 U	4.35 U		4.81 U	3.45 U	1.40 U	
PCB-1232	2.89 U	4.35 U		4.81 U	3.45 U	1.40 U	
PCB-1016	2.89 U	4.35 U		4.81 U	3.45 U	1.40 U	
PCB-1242	2.89 U	4.35 U		4.81 U	3.45 U	1.40 U	
PCB-1248	2.89 U	4.35 U		4.81 U	3.45 U	1.57	
PCB-1254	2.89 U	4.35 U		4.81 U	3.45 U	1.40 U	
PCB-1260	2.89 U	4.35 U		4.81 U	3.45 U	1.20 E	
Total PCBs	2.89 U	4.35 U		4.81 U	3.45 U	2.77	
Phenols in µg/kg (dry)							
2,4-Dimethylphenol	26 E	5.5 E		16 E	16 E	74 E	
2-Methylphenol	17 E	3.8 E		17 E	10 E	46 E	
4-Methylphenol	160	78		1200	100 E	490 E	
Pentachlorophenol	9.9 E	60 U		4 E	3.9 E	13 E	
Phenol	300	22 E		720	100 E	86 E	
Total Phenols(detects only)	512.9	109.3		1957	229.9	709	

Table B-2 - Analytical Results for Vibracore Samples and Co-located Surface Sediment Samples

Lab-ID	9609042-7	9609012-11	9609041-15	9609041-16		
Sample-ID	HC-VC-84-S4	HC-SC-85	HC-VC-85-S1	HC-VC-85-S2		
Depth	6.6 to 9.6 ft	0 to .3 ft	0 to 4.5 ft	4.7 to 7.1 ft	SQS	
Sampling Date	9/11/96	9/09/96	9/13/96	9/13/96	Criteria	MCUL
Conventionals in pct. (dry)						
Moisture	26	65	57	41		
Total Organic Carbon		3.1	4.2	13		
Metals in mg/kg (dry)						
Arsenic		9.6 E	9.9	4.7	57	93
Cadmium		1.3	1.4	0.86 U	5.1	6.7
Chromium		66	69	24	260	270
Copper		61	66	28	390	390
Lead		20	33	15	450	530
Mercury	0.13 U	0.45	0.88	0.16 U	0.41	0.59
Silver		1.3 U	1.2 U	0.86 U	6.1	6.1
Zinc		120	130	54	410	960
HPAHs in µg/kg (dry)						
Benz(a)anthracene		140	280 E	220 E		
Benzo(a)pyrene		97	210 E	160 E		
Benzo(b)fluoranthene		140	270 E	250 EC		
Benzo(ghi)perylene		70 E	230 E	98 E		
Benzo(k)fluoranthene		120	240 E	250 EC		
Chrysene		250	430 E	270 E		
Dibenz(a,h)anthracene		31 E	81 E	52 UE		
Fluoranthene		390	550 E	760 E		
Indeno(1,2,3-cd)pyrene		67 E	180 E	76 E		
Pyrene		390	860 E	430 E		
Total benzofluoranthenes		260	510	250		
Total HPAHs		1695	3331	2264		
HPAHs in mg/kg (OC)						
Benz(a)anthracene		4.52	6.67 E	1.69 E	110	270
Benzo(a)pyrene		3.13	5.00 E	1.23 E	99	210
Benzo(b)fluoranthene		4.52	6.43 E	1.92 EC		
Benzo(ghi)perylene		2.26 E	5.48 E	0.75 E	31	78
Benzo(k)fluoranthene		3.87	5.71 E	1.92 EC		
Chrysene		8.06	10.24 E	2.08 E	110	460
Dibenz(a,h)anthracene		1.00 E	1.93 E	0.40 UE	12	33
Fluoranthene		12.58	13.10 E	5.85 E	160	1200
Indeno(1,2,3-cd)pyrene		2.16 E	4.29 E	0.58 E	34	88
Pyrene		12.58	20.48 E	3.31 E	1000	1400
Total benzofluoranthenes		8.39	12.14	1.92	230	450
Total HPAHs		54.68	79.31	17.42	960	5300

Table B-2 - Analytical Results for Vibracore Samples and Co-located Surface Sediment Samples

Lab-ID	9609042-7	9609012-11	9609041-15	9609041-16		
Sample-ID	HC-VC-84-S4	HC-SC-85	HC-VC-85-S1	HC-VC-85-S2		
Depth	6.6 to 9.6 ft	0 to .3 ft	0 to 4.5 ft	4.7 to 7.1 ft	SQS	
Sampling Date	9/11/96	9/09/96	9/13/96	9/13/96	Criteria	MCUL
LPAHs in µg/kg (dry)						
2-Methylnaphthalene		21 E	210 E	1000 E		
Acenaphthene		26 E	79 E	240 E		
Acenaphthylene		44 U	34 E	170 E		
Anthracene		36 E	140 E	280 E		
Fluorene		39 E	120 E	390 E		
Naphthalene		35 E	270 E	1200 E		
Phenanthrene		240	340 E	990 E		
Total LPAHs		376	983	3270		
LPAHs in mg/kg (OC)						
2-Methylnaphthalene		0.68 E	5.00 E	7.69 E	38	64
Acenaphthene		0.84 E	1.88 E	1.85 E	16	57
Acenaphthylene		1.42 U	0.81 E	1.31 E	66	66
Anthracene		1.16 E	3.33 E	2.15 E	220	1200
Fluorene		1.26 E	2.86 E	3.00 E	23	79
Naphthalene		1.13 E	6.43 E	9.23 E	99	170
Phenanthrene		7.74	8.10 E	7.62 E	100	480
Total LPAHs		12.13	23.40	25.15	370	780
Semivolatiles in µg/kg (dry)						
1,2,4-Trichlorobenzene		44 U	36 UE	26 UE		
1,2-Dichlorobenzene		52 U	42 UE	7 E		
1,4-Dichlorobenzene		47 U	38 UE	10 E		
Benzoic Acid		190 UE	200 UE	47 UE	650	650
Benzyl Alcohol		6.4 E	4.8 E	4.4 E	57	73
Dibenzofuran		29 E	160 E	610 E		
Hexachlorobenzene		4.8 U	7	2.8 U		
Hexachlorobutadiene		4.8 U	3.9 U	2.8 U		
N-Nitroso diphenylamine		59 U	23 E	120 E		
Semivolatiles in mg/kg (OC)						
1,2,4-Trichlorobenzene		1.42 U	0.86 UE	0.20 UE	0.81	1.8
1,2-Dichlorobenzene		1.68 U	1.00 UE	0.05 E	2.3	2.3
1,4-Dichlorobenzene		1.52 U	0.90 UE	0.08 E	3.1	9
Benzoic Acid		6.13 UE	4.76 UE	0.36 UE		
Benzyl Alcohol		0.21 E	0.11 E	0.03 E		
Dibenzofuran		0.94 E	3.81 E	4.69 E	15	58
Hexachlorobenzene		0.15 U	0.17	0.02 U	0.38	2.3
Hexachlorobutadiene		0.15 U	0.09 U	0.02 U	3.9	6.2
N-Nitroso diphenylamine		1.90 U	0.55 E	0.92 E	11	11

Table B-2 - Analytical Results for Vibracore Samples and Co-located Surface Sediment Samples

Lab-ID	9609042-7	9609012-11	9609041-15	9609041-16		
SampleID	HC-VC-84-S4	HC-SC-85	HC-VC-85-S1	HC-VC-85-S2		
Depth	6.6 to 9.6 ft	0 to .3 ft	0 to 4.5 ft	4.7 to 7.1 ft	SQS	
Sampling Date	9/11/96	9/09/96	9/13/96	9/13/96	Criteria	MCUL
Phthalates in µg/kg (dry)						
Bis(2-ethylhexyl)phthalate		220	2100 E	160 UE		
Butyl benzyl phthalate		87 U	72 E	52 UE		
Di-n-butyl phthalate		67 U	36 E	19 E		
Di-n-octyl phthalate		130	110 E	48 UE		
Diethyl phthalate		120 U	93 UE	30 E		
Dimethyl phthalate		98 U	21 E	54 E		
Phthalates in mg/kg (OC)						
Bis(2-ethylhexyl)phthalate		7.10	50.00 E	1.23 UE	47	78
Butyl benzyl phthalate		2.81 U	1.71 E	0.40 UE	4.9	64
Di-n-butyl phthalate		2.16 U	0.86 E	0.15 E	220	1700
Di-n-octyl phthalate		4.19	2.62 E	0.37 UE	58	4500
Diethyl phthalate		3.87 U	2.21 UE	0.23 E	61	110
Dimethyl phthalate		3.16 U	0.50 E	0.42 E	53	53
PCBs in µg/kg (dry)						
PCB-1221		140 U	120 U	85 U		
PCB-1232		140 U	120 U	85 U		
PCB-1016		140 U	120 U	85 U		
PCB-1242		140 U	120 U	85 U		
PCB-1248		140 U	120 U	85 U		
PCB-1254		140 U	120 U	85 U		
PCB-1260		140 U	120 U	85 U		
Total PCBs		140 U	120 U	85 U		
PCBs in mg/kg (OC)						
PCB-1221		4.52 U	2.86 U	0.65 U		
PCB-1232		4.52 U	2.86 U	0.65 U		
PCB-1016		4.52 U	2.86 U	0.65 U		
PCB-1242		4.52 U	2.86 U	0.65 U		
PCB-1248		4.52 U	2.86 U	0.65 U		
PCB-1254		4.52 U	2.86 U	0.65 U		
PCB-1260		4.52 U	2.86 U	0.65 U		
Total PCBs		4.52 U	2.86 U	0.65 U	12	65
Phenols in µg/kg (dry)						
2,4-Dimethylphenol		9.3 E	38 E	610 E	29	29
2-Methylphenol		6.8 E	23 E	400 E	63	63
4-Methylphenol		190	200 E	1500 E	670	670
Pentachlorophenol		11 E	9.8 E	28 E	360	690
Phenol		26 E	280 E	370 E	420	1200
Total Phenols(detects only)		243.1	550.8	2908		

Table B-3 - Analytical Results Diver Core Samples

Lab-ID	9609062-11	9609062-12	9609062-9	9609062-13	9609062-10	9609062-7	9609062-8
Sample-ID	HC-DC-86-S1	HC-DC-86-S2	HC-DC-87-S1	HC-DC-208	HC-DC-87-S2	HC-DC-88-S1	HC-DC-88-S2
Depth	0 to 1.9 ft	1.9 to 3.8 ft	0 to 2.3 ft	0 to 2.3 ft	2.3 to 3.8 ft	0 to 1.6 ft	1.6 to 3.8 ft
Sampling Date	9/18/96	9/18/96	9/18/96	9/18/96	9/18/96	9/18/96	9/18/96
				Dup of HC-DC-87-S1			
Conventionals							
Moisture	60	55	55	54	51	43	49
Total Organic Carbon	2.3	2.3	3.4	3.2	4.2	3.7	5.5
Metals in mg/kg							
Arsenic	4.5 E	3.4 E	11 E	4.8 E	9.5 E	5.1 E	10 E
Cadmium	1.3 U	1.1 U	1.5	1.4	2.1	0.9 U	1.5
Chromium	32	32	76	44	65	30	46
Copper	29	31	46	54	68	30	56
Lead	15 U	14	30	40	52	14	35
Mercury	0.24 U	0.51	1.2	1.5	7.5	0.67	2.2
Silver	1.3 U	1.1 U	1.1 U	1.1 U	1 U	0.9 U	0.99 U
Zinc	61	73	190	93	150	68	110
HPAHs in µg/kg (dry)							
Benz(a)anthracene	1900	1800	7400	2300	3100	3500	2400
Benzo(a)pyrene	1300	1200	3100	1400	1300	2000	1800
Benzo(b)fluoranthene	2400 C	2200 C	11000 C	2700 C	2700 C	5000 C	3500 C
Benzo(ghi)perylene	390	390	910	420	340	620	800
Benzo(k)fluoranthene	2400 C	2200 C	11000 C	2700 C	2700 C	5000 C	3500 C
Chrysene	2800	2300	14000	2900	3700	4900	3400
Dibenz(a,h)anthracene	300	290	630	300	260	380	370
Fluoranthene	3200	2800	49000	3200	6700	6200	4700
Indeno(1,2,3-cd)pyrene	510	490	1200	500	420	670	800
Pyrene	3500	2900	41000	6600	7600	9100	46 U
Total benzofluoranthenes	2400	2200	11000	2700	2700	5000	3500
Total HPAHs	16300	14370	1E+05	20320	26120	32370	17770
HPAHs in mg/kg (OC)							
Benz(a)anthracene	82.61	78.26	217.65	71.88	73.81	94.59	43.64
Benzo(a)pyrene	56.52	52.17	91.18	43.75	30.95	54.05	32.73
Benzo(b)fluoranthene	104.35 C	95.65 C	323.53 C	84.38 C	64.29 C	135.14 C	63.64 C
Benzo(ghi)perylene	16.96	16.96	26.76	13.13	8.10	16.76	14.55
Benzo(k)fluoranthene	104.35 C	95.65 C	323.53 C	84.38 C	64.29 C	135.14 C	63.64 C
Chrysene	121.74	100.00	411.76	90.63	88.10	132.43	61.82
Dibenz(a,h)anthracene	13.04	12.61	18.53	9.38	6.19	10.27	6.73
Fluoranthene	139.13	121.74	1441.18	100.00	159.52	167.57	85.45
Indeno(1,2,3-cd)pyrene	22.17	21.30	35.29	15.63	10.00	18.11	14.55
Pyrene	152.17	126.09	1205.88	206.25	180.95	245.95	0.84 U
Total benzofluoranthenes	104.35	95.65	323.53	84.38	64.29	135.14	63.64
Total HPAHs	708.70	624.78	3771.76	635.00	621.90	874.86	323.09

Table B-3 - Analytical Results Diver Core Samples

Lab-ID	9609062-11	9609062-12	9609062-9	9609062-13	9609062-10	9609062-7	9609062-8
Sample-ID	HC-DC-86-S1	HC-DC-86-S2	HC-DC-87-S1	HC-DC-208	HC-DC-87-S2	HC-DC-88-S1	HC-DC-88-S2
Depth	0 to 1.9 ft	1.9 to 3.8 ft	0 to 2.3 ft	0 to 2.3 ft	2.3 to 3.8 ft	0 to 1.6 ft	1.6 to 3.8 ft
Sampling Date	9/18/96	9/18/96	9/18/96	9/18/96 Dup of HC-DC-87-S1	9/18/96	9/18/96	9/18/96
LPAHs in µg/kg (dry)							
2-Methylnaphthalene	120	39	160	190	280	140	250
Acenaphthene	200	130	1400	360	620	200	660
Acenaphthylene	64	46	570	83	93	150	250
Anthracene	1000	650	2700	760	4000	2300	1200
Fluorene	380	200	2800	500	660	460	690
Naphthalene	150	78	500	600	810	350	680
Phenanthrene	1400	510	42000	1400	1700	1600	1900
Total LPAHs	3194	1614	49970	3703	7883	5060	5380
LPAHs in mg/kg (OC)							
2-Methylnaphthalene	5.22	1.70	4.71	5.94	6.67	3.78	4.55
Acenaphthene	8.70	5.65	41.18	11.25	14.76	5.41	12.00
Acenaphthylene	2.78	2.00	16.76	2.59	2.21	4.05	4.55
Anthracene	43.48	28.26	79.41	23.75	95.24	62.16	21.82
Fluorene	16.52	8.70	82.35	15.63	15.71	12.43	12.55
Naphthalene	6.52	3.39	14.71	18.75	19.29	9.46	12.36
Phenanthrene	60.87	22.17	1235.29	43.75	40.48	43.24	34.55
Total LPAHs	138.87	70.17	1469.71	115.72	187.69	136.76	97.82
Semivolatiles in µg/kg (dry)							
1,2,4-Trichlorobenzene	39 U	34 U	34 U	33 U	31 U	27 U	30 U
1,2-Dichlorobenzene	46 U	40 U	40 U	40 U	37 U	32 U	36 U
1,4-Dichlorobenzene	41 U	37 U	37 U	36 U	34 U	29 U	32 U
Benzoic Acid	190 UE	130 UE	170 UE	170 UE	240 UE	120 UE	370
Benzyl Alcohol	4.6 E	2.9 E	4.9 E	5.2 E	3 E	3.5 E	5.8 E
Dibenzofuran	220	96	1300	340	430	270	430
Hexachlorobenzene	4.2 U	3.7 U	7.7	6.8	5.5	2.9 U	8.3
Hexachlorobutadiene	4.2 U	3.7 U	3.7 U	3.6 U	3.4 U	2.9 U	3.3 U
N-Nitroso diphenylamine	51 U	46 U	230 U	45 U	42 U	36 U	40
Semivolatiles in mg/kg (OC)							
1,2,4-Trichlorobenzene	1.70 U	1.48 U	1.00 U	1.03 U	0.74 U	0.73 U	0.55 U
1,2-Dichlorobenzene	2.00 U	1.74 U	1.18 U	1.25 U	0.88 U	0.86 U	0.65 U
1,4-Dichlorobenzene	1.78 U	1.61 U	1.09 U	1.13 U	0.81 U	0.78 U	0.58 U
Benzoic Acid	8.26 UE	5.65 UE	5.00 UE	5.31 UE	5.71 UE	3.24 UE	6.73
Benzyl Alcohol	0.20 E	0.13 E	0.14 E	0.16 E	0.07 E	0.09 E	0.11 E
Dibenzofuran	9.57	4.17	38.24	10.63	10.24	7.30	7.82
Hexachlorobenzene	0.18 U	0.16 U	0.23	0.21	0.13	0.08 U	0.15
Hexachlorobutadiene	0.18 U	0.16 U	0.11 U	0.11 U	0.08 U	0.08 U	0.06 U
N-Nitroso diphenylamine	2.22 U	2.00 U	6.76 U	1.41 U	1.00 U	0.97 U	0.73

Table B-3 - Analytical Results Diver Core Samples

Lab-ID	9609062-11	9609062-12	9609062-9	9609062-13	9609062-10	9609062-7	9609062-8
Sample-ID	HC-DC-86-S1	HC-DC-86-S2	HC-DC-87-S1	HC-DC-208	HC-DC-87-S2	HC-DC-88-S1	HC-DC-88-S2
Depth	0 to 1.9 ft	1.9 to 3.8 ft	0 to 2.3 ft	0 to 2.3 ft	2.3 to 3.8 ft	0 to 1.6 ft	1.6 to 3.8 ft
Sampling Date	9/18/96	9/18/96	9/18/96	9/18/96	9/18/96	9/18/96	9/18/96
				Dup of HC-DC-87-S1			
Phthalates in µg/kg (dry)							
Bis(2-ethylhexyl)phthalate	87 U	70 U	120 U	160 U	110 U	190 U	120 U
Butyl benzyl phthalate	77 U	14 E	68 U	67 U	62 U	54 U	60 U
Di-n-butyl phthalate	16 E	14 E	260 U	20 E	48 U	14 E	46 U
Di-n-octyl phthalate	72 U	64 U	64 U	62 U	58 U	50 U	56 U
Diethyl phthalate	100 U	89 U	89 U	87 U	82 U	71 U	79 U
Dimethyl phthalate	86 U	76 U	76 U	74 U	70 U	60 U	67 U
Phthalates in mg/kg (OC)							
Bis(2-ethylhexyl)phthalate	3.78 U	3.04 U	3.53 U	5.00 U	2.62 U	5.14 U	2.18 U
Butyl benzyl phthalate	3.35 U	0.61 E	2.00 U	2.09 U	1.48 U	1.46 U	1.09 U
Di-n-butyl phthalate	0.70 E	0.61 E	7.65 U	0.63 E	1.14 U	0.38 E	0.84 U
Di-n-octyl phthalate	3.13 U	2.78 U	1.88 U	1.94 U	1.38 U	1.35 U	1.02 U
Diethyl phthalate	4.35 U	3.87 U	2.62 U	2.72 U	1.95 U	1.92 U	1.44 U
Dimethyl phthalate	3.74 U	3.30 U	2.24 U	2.31 U	1.67 U	1.62 U	1.22 U
PCBs in µg/kg (dry)							
PCB-1221	130 U	110 U	110 U	110 U	100 U	88 U	98 U
PCB-1232	130 U	110 U	110 U	110 U	100 U	88 U	98 U
PCB-1016	130 U	110 U	110 U	110 U	100 U	88 U	98 U
PCB-1242	130 U	110 U	110 U	110 U	100 U	88 U	98 U
PCB-1248	130 U	110 U	110 U	110 U	100 U	130	98 U
PCB-1254	130 U	110 U	110 U	110 U	100 U	88 U	49 E
PCB-1260	130 U	110 U	110 U	110 U	100 U	88 U	98 U
Total PCBs	130 U	110 U	110 U	110 U	100 U	130	49 E
PCBs in mg/kg (OC)							
PCB-1221	5.65 U	4.78 U	3.24 U	3.44 U	2.38 U	2.38 U	1.78 U
PCB-1232	5.65 U	4.78 U	3.24 U	3.44 U	2.38 U	2.38 U	1.78 U
PCB-1016	5.65 U	4.78 U	3.24 U	3.44 U	2.38 U	2.38 U	1.78 U
PCB-1242	5.65 U	4.78 U	3.24 U	3.44 U	2.38 U	2.38 U	1.78 U
PCB-1248	5.65 U	4.78 U	3.24 U	3.44 U	2.38 U	3.51	1.78 U
PCB-1254	5.65 U	4.78 U	3.24 U	3.44 U	2.38 U	2.38 U	0.89 E
PCB-1260	5.65 U	4.78 U	3.24 U	3.44 U	2.38 U	2.38 U	1.78 U
Total PCBs	5.65 U	4.78 U	3.24 U	3.44 U	2.38 U	3.51	0.89 E
Phenols in µg/kg (dry)							
2,4-Dimethylphenol	38 U	34 U	8.6 E	10 E	25 E	3.6 E	13 E
2-Methylphenol	41 U	36 U	5.7 E	6 E	12 E	3.3 E	10 E
4-Methylphenol	150	120	250	430	880	140 E	690
Pentachlorophenol	27 E	49 E	38 E	70	30 E	460 E	41 E
Phenol	47	26 E	42	55	57	47 E	59
Total Phenols(detects only)	224	195	344.3	571	1004	653.9	813

Table B-3 - Analytical Results Diver Core Samples

Lab-ID	9609062-5	9609062-6	9609062-3	9609062-4	9609062-1	9609062-2	9609048-19
Sample-ID	HC-DC-89-S1	HC-DC-89-S2	HC-DC-90-S1	HC-DC-90-S2	HC-DC-91-S1	HC-DC-91-S2	HC-DC-92-S1
Depth	0 to 1.6 ft	1.6 to 3.8 ft	0 to 1.6 ft	1.6 to 3.8 ft	0 to 1.6 ft	1.6 to 3 ft	0 to 1.4 ft
Sampling Date	9/18/96	9/18/96	9/18/96	9/18/96	9/18/96	9/18/96	9/18/96
Conventionals							
Moisture	38	56	62	65	46	62	30
Total Organic Carbon	3.4	9.4	8	12	6.1	11	3
Metals in mg/kg							
Arsenic	6 E	6.4 E	8.9 E	17 E	11 E	6.6 E	24
Cadmium	0.86	2.5	2.5	2.7	1.4	2.5	1.3
Chromium	31	79	78	91	55	55	40 E
Copper	87	97	87	110	80	54	180 E
Lead	33	85	81	120	180	120	130 E
Mercury	6.4	43	3.8	12	0.93	1.6	0.31
Silver	0.83 U	1.1 U	1.4 U	1.4 U	0.93 U	1.4 U	1.5 U
Zinc	140	230	210	310	140	170	270
HPAHs in µg/kg (dry)							
Benz(a)anthracene	2400	2800	860	1000	2000	530	2200
Benzo(a)pyrene	2200	1100	500	440	1300	340	1100
Benzo(b)fluoranthene	4300	2600 C	1200 C	970 C	2900 C	760 C	3000 C
Benzo(ghi)perylene	860	280	160	130	480	110	530
Benzo(k)fluoranthene	4300	2600 C	1200 C	970 C	2900 C	760 C	3000 C
Chrysene	3400	2900	970	1200	2200	580	2900
Dibenz(a,h)anthracene	490	210	100	91	270	27 E	280
Fluoranthene	2500	13000	2000	3800	2700	1700	6100
Indeno(1,2,3-cd)pyrene	930	320	180	140	500	110	560
Pyrene	6200	13000	2300	1900	7200	2100	6100
Total benzofluoranthenes	8600	2600	1200	970	2900	760	3000
Total HPAHs	27580	36210	8270	9671	19550	6257	2E+04
HPAHs in mg/kg (OC)							
Benz(a)anthracene	70.59	29.79	10.75	8.33	32.79	4.82	73.33
Benzo(a)pyrene	64.71	11.70	6.25	3.67	21.31	3.09	36.67
Benzo(b)fluoranthene	126.47	27.66 C	15.00 C	8.08 C	47.54 C	6.91 C	100.00 C
Benzo(ghi)perylene	25.29	2.98	2.00	1.08	7.87	1.00	17.67
Benzo(k)fluoranthene	126.47	27.66 C	15.00 C	8.08 C	47.54 C	6.91 C	100.00 C
Chrysene	100.00	30.85	12.13	10.00	36.07	5.27	96.67
Dibenz(a,h)anthracene	14.41	2.23	1.25	0.76	4.43	0.25 E	9.33
Fluoranthene	73.53	138.30	25.00	31.67	44.26	15.45	203.33
Indeno(1,2,3-cd)pyrene	27.35	3.40	2.25	1.17	8.20	1.00	18.67
Pyrene	182.35	138.30	28.75	15.83	118.03	19.09	203.33
Total benzofluoranthenes	252.94	27.66	15.00	8.08	47.54	6.91	100.00
Total HPAHs	811.18	385.21	103.38	80.59	320.49	56.88	759.00

Table B-3 - Analytical Results Diver Core Samples

Lab-ID	9609062-5	9609062-6	9609062-3	9609062-4	9609062-1	9609062-2	9609048-19
Sample-ID	HC-DC-89-S1	HC-DC-89-S2	HC-DC-90-S1	HC-DC-90-S2	HC-DC-91-S1	HC-DC-91-S2	HC-DC-92-S1
Depth	0 to 1.6 ft	1.6 to 3.8 ft	0 to 1.6 ft	1.6 to 3.8 ft	0 to 1.6 ft	1.6 to 3 ft	0 to 1.4 ft
Sampling Date	9/18/96	9/18/96	9/18/96	9/18/96	9/18/96	9/18/96	9/18/96
LPAHs in µg/kg (dry)							
2-Methylnaphthalene	230	1600	190	1200	150	160	410
Acenaphthene	590	3400	180	2700	420	210	670
Acenaphthylene	150	170	63	74	150	46	590
Anthracene	1100	2800	510	1300	780	1200	1200
Fluorene	510	2900	260	2000	480	300	670
Naphthalene	590	3200	460	1800	510	360	1400
Phenanthrene	1700	6200	670	6000	1300	680	2100
Total LPAHs	4640	18670	2143	13874	3640	2796	6630
LPAHs in mg/kg (OC)							
2-Methylnaphthalene	6.76	17.02	2.38	10.00	2.46	1.45	13.67
Acenaphthene	17.35	36.17	2.25	22.50	6.89	1.91	22.33
Acenaphthylene	4.41	1.81	0.79	0.62	2.46	0.42	19.67
Anthracene	32.35	29.79	6.38	10.83	12.79	10.91	40.00
Fluorene	15.00	30.85	3.25	16.67	7.87	2.73	22.33
Naphthalene	17.35	34.04	5.75	15.00	8.36	3.27	46.67
Phenanthrene	50.00	65.96	8.38	50.00	21.31	6.18	70.00
Total LPAHs	136.47	198.62	26.79	115.62	59.67	25.42	221.00
Semivolatiles in µg/kg (dry)							
1,2,4-Trichlorobenzene	19 E	23 E	41 U	30 E	29 U	41 U	22 U
1,2-Dichlorobenzene	29 U	41 U	48 U	33 E	34 U	12 E	16 E
1,4-Dichlorobenzene	10 E	43	44 U	37 E	31 U	13 E	18 E
Benzoic Acid	170 UE	330	77 UE	680	180 UE	220 UE	110 UE
Benzyl Alcohol	3 E	7.7 E	7.6 E	6.9 E	11 E	17 E	4 E
Dibenzofuran	380	2100	260	1300	480	240	730
Hexachlorobenzene	8.3	61	83	57	15	52	16
Hexachlorobutadiene	2.7 U	3.8 U	4.4 U	4.8 U	3.1 U	4.4 U	2.4 U
N-Nitroso diphenylamine	33 U	47 U	54 U	59 U	38 U	54 U	29 U
Semivolatiles in mg/kg (OC)							
1,2,4-Trichlorobenzene	0.56 U	0.24 E	0.51 U	0.25 E	0.48 U	0.37 U	0.73 U
1,2-Dichlorobenzene	0.85 U	0.44 U	0.60 U	0.28 E	0.56 U	0.11 E	0.53 E
1,4-Dichlorobenzene	0.29 U	0.46	0.55 U	0.31 E	0.51 U	0.12 E	0.60 E
Benzoic Acid	5.00 UE	3.51	0.96 UE	5.67	2.95 UE	2.00 UE	3.67 UE
Benzyl Alcohol	0.09 E	0.08 E	0.10 E	0.06 E	0.18 E	0.15 E	0.13 E
Dibenzofuran	11.18	22.34	3.25	10.83	7.87	2.18	24.33
Hexachlorobenzene	0.24	0.65	1.04	0.48	0.25	0.47	0.53
Hexachlorobutadiene	0.08 U	0.04 U	0.06 U	0.04 U	0.05 U	0.04 U	0.08 U
N-Nitroso diphenylamine	0.97 U	0.50 U	0.68 U	0.49 U	0.62 U	0.49 U	0.97 U

Table B-3 - Analytical Results Diver Core Samples

Lab-ID	9609062-5	9609062-6	9609062-3	9609062-4	9609062-1	9609062-2	9609048-19
Sample-ID	HC-DC-89-S1	HC-DC-89-S2	HC-DC-90-S1	HC-DC-90-S2	HC-DC-91-S1	HC-DC-91-S2	HC-DC-92-S1
Depth	0 to 1.6 ft	1.6 to 3.8 ft	0 to 1.6 ft	1.6 to 3.8 ft	0 to 1.6 ft	1.6 to 3 ft	0 to 1.4 ft
Sampling Date	9/18/96	9/18/96	9/18/96	9/18/96	9/18/96	9/18/96	9/18/96
Phthalates in µg/kg (dry)							
Bis(2-ethylhexyl)phthalate	730	270	290	510	2400	620	320
Butyl benzyl phthalate	230	70 U	47 E	87 U	240	95	44 U
Di-n-butyl phthalate	640	54 U	62 U	67 U	40 E	62 U	23 U
Di-n-octyl phthalate	46 U	65 U	75 U	82 U	64	75 U	41 U
Diethyl phthalate	65 U	91 U	110 U	110 U	74 U	110 U	57 U
Dimethyl phthalate	55 U	78 U	90 U	98 U	26 E	90 U	37 E
Phthalates in mg/kg (OC)							
Bis(2-ethylhexyl)phthalate	21.47	2.87	3.63	4.25	39.34	5.64	10.67
Butyl benzyl phthalate	6.76	0.74 U	0.59 E	0.73 U	3.93	0.86	1.47 U
Di-n-butyl phthalate	18.82	0.57 U	0.78 U	0.56 U	0.66 E	0.56 U	0.77 U
Di-n-octyl phthalate	1.35 U	0.69 U	0.94 U	0.68 U	1.05	0.68 U	1.37 U
Diethyl phthalate	1.91 U	0.97 U	1.38 U	0.92 U	1.21 U	1.00 U	1.90 U
Dimethyl phthalate	1.62 U	0.83 U	1.13 U	0.82 U	0.43 E	0.82 U	1.23 E
PCBs in µg/kg (dry)							
PCB-1221	81 U	110 U	130 U	140 U	93 U	130 U	71 U
PCB-1232	81 U	110 U	130 U	140 U	93 U	130 U	71 U
PCB-1016	81 U	110 U	130 U	140 U	93 U	130 U	71 U
PCB-1242	81 U	110 U	130 U	140 U	93 U	130 U	71 U
PCB-1248	81 U	110 U	130 U	630	93 U	130 U	71 U
PCB-1254	76 E	230	100 E	280	340	100 E	90
PCB-1260	81 U	110 U	130 U	140 U	93	130 U	71 U
Total PCBs	76 E	230	100 E	910	433	100 E	90
PCBs in mg/kg (OC)							
PCB-1221	2.38 U	1.17 U	1.63 U	1.17 U	1.52 U	1.18 U	2.37 U
PCB-1232	2.38 U	1.17 U	1.63 U	1.17 U	1.52 U	1.18 U	2.37 U
PCB-1016	2.38 U	1.17 U	1.63 U	1.17 U	1.52 U	1.18 U	2.37 U
PCB-1242	2.38 U	1.17 U	1.63 U	1.17 U	1.52 U	1.18 U	2.37 U
PCB-1248	2.38 U	1.17 U	1.63 U	5.25	1.52 U	1.18 U	2.37 U
PCB-1254	2.24 E	2.45	1.25 E	2.33	5.57	0.91 E	3.00
PCB-1260	2.38 U	1.17 U	1.63 U	1.17 U	1.52	1.18 U	2.37 U
Total PCBs	2.24 E	2.45	1.25 E	7.58	7.10	0.91 E	3.00
Phenols in µg/kg (dry)							
2,4-Dimethylphenol	7.9 E	35	14 E	21 E	4 E	4 E	4.3 E
2-Methylphenol	5.4 E	18 E	9.1 E	18 E	7.3 E	5.5 E	7.6 E
4-Methylphenol	590	4600	1200	2900	300	1000	560
Pentachlorophenol	170	69	48 E	47 E	93	76 E	60
Phenol	42	82	41 U	99	78	64	83
Total Phenols (detects only)	815.3	4804	1271	3085	482.3	1150	715

Table B-3 - Analytical Results Diver Core Samples

Lab-ID	9609048-20		9609048-18			
Sample-ID	HC-DC-92-S2		HC-DC-93-S1			
Depth	1.4 to 2.8 ft		0 to 2 ft		SQS	
Sampling Date	9/18/96		9/18/96		Criteria	MCUL
Conventionals						
Moisture	35		31			
Total Organic Carbon	5.7		2.6			
Metals in mg/kg						
Arsenic	11		13		57	93
Cadmium	1.2		0.74	U	5.1	6.7
Chromium	46	E	22	E	260	270
Copper	180	E	46	E	390	390
Lead	190	E	26	E	450	530
Mercury	0.5		0.14	U	0.41	0.59
Silver	1.6	U	0.74	U	6.1	6.1
Zinc	140		440		410	960
HPAHs in µg/kg (dry)						
Benz(a)anthracene	620		170			
Benzo(a)pyrene	510		150			
Benzo(b)fluoranthene	1100	C	350	C		
Benzo(ghi)perylene	510		110			
Benzo(k)fluoranthene	1100	C	350	C		
Chrysene	820		260			
Dibenz(a,h)anthracene	37	E	45	U		
Fluoranthene	2000		340			
Indeno(1,2,3-cd)pyrene	380		25	E		
Pyrene	3100		470			
Total benzofluoranthenes	1100		350			
Total HPAHs	9077		1875			
HPAHs in mg/kg (OC)						
Benz(a)anthracene	10.88		6.54		110	270
Benzo(a)pyrene	8.95		5.77		99	210
Benzo(b)fluoranthene	19.30	C	13.46	C		
Benzo(ghi)perylene	8.95		4.23		31	78
Benzo(k)fluoranthene	19.30	C	13.46	C		
Chrysene	14.39		10.00		110	460
Dibenz(a,h)anthracene	0.65	E	1.73	U	12	33
Fluoranthene	35.09		13.08		160	1200
Indeno(1,2,3-cd)pyrene	6.67		0.96	E	34	88
Pyrene	54.39		18.08		1000	1400
Total benzofluoranthenes	19.30		13.46		230	450
Total HPAHs	159.25		72.12		960	5300

Table B-3 - Analytical Results Diver Core Samples

Lab-ID	9609048-20		9609048-18			
Sample-ID	HC-DC-92-S2		HC-DC-93-S1			
Depth	1.4 to 2.8 ft		0 to 2 ft		SQS	
Sampling Date	9/18/96		9/18/96		Criteria	MCUL
LPAHs in µg/kg (dry)						
2-Methylnaphthalene	380		300			
Acenaphthene	290		31			
Acenaphthylene	1300		38			
Anthracene	530		110			
Fluorene	360		28	U		
Naphthalene	2900		210			
Phenanthrene	2100		300			
Total LPAHs	7480		689			
LPAHs in mg/kg (OC)						
2-Methylnaphthalene	6.67		11.54		38	64
Acenaphthene	5.09		1.19		16	57
Acenaphthylene	22.81		1.46		66	66
Anthracene	9.30		4.23		220	1200
Fluorene	6.32		1.08	U	23	79
Naphthalene	50.88		8.08		99	170
Phenanthrene	36.84		11.54		100	480
Total LPAHs	131.23		26.50		370	780
Semivolatiles in µg/kg (dry)						
1,2,4-Trichlorobenzene	24	U	22	U		
1,2-Dichlorobenzene	29		26	U		
1,4-Dichlorobenzene	21	E	24	U		
Benzoic Acid	150	UE	150	UE	650	650
Benzyl Alcohol	9.4	E	7	E	57	73
Dibenzofuran	650		91			
Hexachlorobenzene	19		2.4	U		
Hexachlorobutadiene	2.6	U	2.4	U		
N-Nitroso diphenylamine	32	U	30	U		
Semivolatiles in mg/kg (OC)						
1,2,4-Trichlorobenzene	0.42	U	0.85	U	0.81	1.8
1,2-Dichlorobenzene	0.51		1.00	U	2.3	2.3
1,4-Dichlorobenzene	0.37	E	0.92	U	3.1	9
Benzoic Acid	2.63	UE	5.77	UE		
Benzyl Alcohol	0.16	E	0.27	E		
Dibenzofuran	11.40		3.50		15	58
Hexachlorobenzene	0.33		0.09	U	0.38	2.3
Hexachlorobutadiene	0.05	U	0.09	U	3.9	6.2
N-Nitroso diphenylamine	0.56	U	1.15	U	11	11

Table B-3 - Analytical Results Diver Core Samples

Lab-ID	9609048-20		9609048-18			
Sample-ID	HC-DC-92-S2		HC-DC-93-S1			
Depth	1.4 to 2.8 ft		0 to 2 ft		SQS	
Sampling Date	9/18/96		9/18/96		Criteria	MCUL
Phthalates in µg/kg (dry)						
Bis(2-ethylhexyl)phthalate	570		340			
Butyl benzyl phthalate	51		24	E		
Di-n-butyl phthalate	34	U	60	U		
Di-n-octyl phthalate	44	U	41	U		
Diethyl phthalate	6.8	E	58	U		
Dimethyl phthalate	20	E	50	U		
Phthalates in mg/kg (OC)						
Bis(2-ethylhexyl)phthalate	10.00		13.08		47	78
Butyl benzyl phthalate	0.89		0.92	E	4.9	64
Di-n-butyl phthalate	0.60	U	2.31	U	220	1700
Di-n-octyl phthalate	0.77	U	1.58	U	58	4500
Diethyl phthalate	0.12	E	2.23	U	61	110
Dimethyl phthalate	0.35	E	1.92	U	53	53
PCBs in µg/kg (dry)						
PCB-1221	77	U	72	U		
PCB-1232	77	U	72	U		
PCB-1016	77	U	72	U		
PCB-1242	77	U	72	U		
PCB-1248	77	U	72	U		
PCB-1254	90		100			
PCB-1260	89		72	U		
Total PCBs	179		100			
PCBs in mg/kg (OC)						
PCB-1221	1.35	U	2.77	U		
PCB-1232	1.35	U	2.77	U		
PCB-1016	1.35	U	2.77	U		
PCB-1242	1.35	U	2.77	U		
PCB-1248	1.35	U	2.77	U		
PCB-1254	1.58		3.85			
PCB-1260	1.56		2.77	U		
Total PCBs	3.14		3.85		12	65
Phenols in µg/kg (dry)						
2,4-Dimethylphenol	5.6	E	12	E	29	29
2-Methylphenol	20	E	6.8	E	63	63
4-Methylphenol	1200		58		670	670
Pentachlorophenol	44	E	380		360	690
Phenol	170		49		420	1200
Total Phenols(detects only)	1440		505.8			

Table B-4 - Analytical Results for Natural Recovery Samples

Lab ID	Sample ID	Sampling Date	Depth Interval in cm (compaction corrected)	Cesium-137 in dpm/g	Lead-210 in dpm/g	Mercury in mg/kg
9609050-1	HC-NR-100-S01	9/17/96	0 to 2.5	0.631	2.93	1.3 E
9609050-2	HC-NR-100-S02	9/17/96	2.5 to 5	0.592	2.78	1 E
9609050-3	HC-NR-100-S03	9/17/96	5 to 7.5	0.101 U	3.3	1.1 E
9609050-4	HC-NR-100-S04	9/17/96	7.5 to 10	0.84	2.94	1.1 E
9609050-5	HC-NR-100-S05	9/17/96	10 to 12.5	0.698	1.93	1.4 E
9609050-6	HC-NR-100-S06	9/17/96	12.5 to 15	0.718	2.21	1.3 E
9609050-7	HC-NR-100-S07	9/17/96	15 to 17.5	0.672	2.48	1.3 E
9609050-8	HC-NR-100-S08	9/17/96	17.5 to 20	0.615	2.56	1.3 E
9609050-9	HC-NR-100-S09	9/17/96	20 to 22.5	0.657	1.43	1.4 E
9609050-10	HC-NR-100-S10	9/17/96	22.5 to 25	0.683	3.23	1.3 E
9609053-1	HC-NR-100-S11	9/17/96	25 to 27.5	0.693		
9609050-11	HC-NR-100-S13	9/17/96	30 to 32.5	0.932	2.44	2.2 E
9609053-4	HC-NR-100-S15	9/17/96	35 to 37.5	0.798		
9609050-12	HC-NR-100-S16/17	9/17/96	37.5 to 42.5	0.873	2.02	7.2 E
9609050-13	HC-NR-209 Dup of HC-NR-100-S16/17	9/17/96	37.5 to 42.5	0.85	2.07	6.4 E
9609053-5	HC-NR-100-S18	9/17/96	42.5 to 45	0.812		
9609050-14	HC-NR-100-S19	9/17/96	45 to 47.5	0.979	2.18	1.7 E
9609050-20	HC-NR-210 Dup of HC-NR-100-S19	9/17/96				2.5 E
9609053-6	HC-NR-100-S20	9/17/96	47.5 to 50	1.011		
9609050-15	HC-NR-100-S22	9/17/96	52.5 to 55	0.845	1.96	1.4 E
9609050-16	HC-NR-100-S25	9/17/96	60 to 62.5	0.458	1.72	0.53 E
9609053-13	HC-NR-100-S29	9/17/96	70 to 72.5	0.174		
9609050-17	HC-NR-100-S33	9/17/96	80 to 82.5	0.066 U	1.49	0.27 E
9609050-18	HC-NR-100-S40	9/17/96	97.5 to 100	0.074 U	1.5	0.43 E
9609050-19	HC-NR-100-S45	9/17/96	110 to 112.5	0.063 U	1.21	0.21 E
9609051-1	HC-NR-101-S01	9/17/96	0 to 2.6	0.537	2.61	1.7
9609051-2	HC-NR-101-S02	9/17/96	2.6 to 5.2	0.468	1.82	1.3
9609051-3	HC-NR-101-S03	9/17/96	5.2 to 7.8	0.73	2.66	1.4
9609051-4	HC-NR-101-S04	9/17/96	7.8 to 10.4	0.56	2.33	1.6
9609051-5	HC-NR-101-S05	9/17/96	10.4 to 13	0.592	2.2	1.7
9609051-6	HC-NR-101-S06	9/17/96	13 to 15.6	0.538	1.86	1.7
9609051-7	HC-NR-101-S07	9/17/96	15.6 to 18.2	0.484	1.94	1.7
9609051-8	HC-NR-101-S08	9/17/96	18.2 to 20.8	0.626	2.3	1.6
9609051-9	HC-NR-101-S09	9/17/96	20.8 to 23.4	0.763	1.88	2.1
9609051-10	HC-NR-101-S10	9/17/96	23.4 to 26	0.569	2.26	2
9609051-11	HC-NR-101-S13	9/17/96	31.2 to 33.8	0.68	1.52	1.8
9609051-12	HC-NR-101-S16/17	9/17/96	39 to 44.2	0.614	1.61	3.1

Table B-4 - Analytical Results for Natural Recovery Samples

Lab ID	Sample ID	Sampling Date	Depth Interval in cm (compaction corrected)	Cesium-137 in dpm/g	Lead-210 in dpm/g	Mercury in mg/kg
9609051-13	HC-NR-211 Dup of HC-NR-101-S16/17	9/17/96		0.745	1.33	3.2
9609051-14	HC-NR-101-S19	9/17/96	46.8 to 49.4	0.834	1.31	5.1
9609051-15	HC-NR-101-S22	9/17/96	54.6 to 57.2	0.806	1.95	3.1
9609051-16	HC-NR-101-S25	9/17/96	62.4 to 65	0.714	1.33	4.6
9609054-19	HC-NR-101-S29	9/17/96	72.8 to 75.4	0.651		
9609054-20	HC-NR-101-S30	9/17/96	75.4 to 78			1.7
9609051-17	HC-NR-101-S33	9/17/96	83.2 to 85.8	0.837	0.88	1.7
9609055-6	HC-NR-101-S37	9/17/96	93.6 to 96.2	0.056 U		
9609055-7	HC-NR-101-S38	9/17/96	96.2 to 98.8			0.59
9609051-18	HC-NR-101-S40	9/17/96	101.4 to 104	0.075 U	0.795	0.3
9609051-19	HC-NR-101-S45	9/17/96	114.4 to 117	0.06 U	0.056 U	0.22
9609051-20	HC-NR-102-S01	9/17/96	0 to 2.4	0.469	3.17	0.34
9609052-1	HC-NR-102-S02	9/17/96	2.4 to 4.8	0.436	2.04	0.42
9609052-2	HC-NR-102-S03	9/17/96	4.8 to 7.2	0.543	2.01	0.37
9609052-3	HC-NR-102-S04	9/17/96	7.2 to 9.6	0.531	2.1	0.68
9609052-4	HC-NR-102-S05	9/17/96	9.6 to 12	0.524	2.9	0.49
9609052-5	HC-NR-102-S06	9/17/96	12 to 14.4	0.644	2.29	0.5
9609052-6	HC-NR-102-S07	9/17/96	14.4 to 16.8	0.521	2.24	0.54
9609052-7	HC-NR-102-S08	9/17/96	16.8 to 19.2	0.657	2.42	0.56
9609052-8	HC-NR-102-S09	9/17/96	19.2 to 21.6	0.705	2.09	0.69
9609052-9	HC-NR-102-S10	9/17/96	21.6 to 24	0.716	2.05	0.56
9609052-10	HC-NR-102-S13	9/17/96	28.8 to 31.2	0.67	1.9	1
9609052-11	HC-NR-102-S16/17	9/17/96	36 to 40.8	0.724	1.55	0.83
9609052-12	HC-NR-212 Dup of HC-NR-102-S16/17	9/17/96		0.606	1.88	0.79
9609052-13	HC-NR-102-S19	9/17/96	43.2 to 45.6	0.883	1.58	1.3
9609052-14	HC-NR-102-S22	9/17/96	50.4 to 52.8	1	1.7	4.5
9609052-15	HC-NR-102-S25	9/17/96	57.6 to 60	0.821	1.53	0.79
9609052-16	HC-NR-102-S33	9/17/96	76.8 to 79.2	0.071 U	1.31	0.19 U
9609052-17	HC-NR-102-S40	9/17/96	93.6 to 96	0.059 U	1.29	0.19
9609052-18	HC-NR-102-S45	9/17/96	105.6 to 108	0.055 U	1.15	0.28

Analytical Results for Surface Sediment Samples

Lab-ID	9609011-1	9609011-2	9609024-4	9609011-3	9609011-4	9609024-5	9609011-5	9609024-6
Sample-ID	HC-SS-01	HC-SS-02	HC-SS-03	HC-SS-04	HC-SS-05	HC-SS-06	HC-SS-07	HC-SS-08
Depth	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft
Sampling Date	9/03/96	9/03/96	9/06/96	9/03/96	9/03/96	9/06/96	9/03/96	9/06/96
Conventionals in pct. (dry)								
Moisture	70	70	67	66	63	68	62	61
Total Organic Carbon	2.8	3.4	2.8	3.5	2.1	2.9	2.8	2.3
Metals in mg/kg (dry)								
Arsenic			8.6			12		9.5
Cadmium			1.5 U			1.6 U		1.3 U
Chromium			55			65		57
Copper			37			45		43
Lead			9 U			11		11
Mercury	0.32 U	0.47	0.32	0.35	0.32	0.39	0.47	0.53
Silver			1.5 U			1.6 U		1.3 U
Zinc			72			81		78

Lab-ID	9609011-6	9609011-7	9609011-8	9609011-9	9609011-10	9609011-11	9609011-12	9609011-13
Sample-ID	HC-SS-09	HC-SS-10	HC-SS-11	HC-SS-12	HC-SS-13	HC-SS-14	HC-SS-15	HC-SS-16
Depth	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft
Sampling Date	9/03/96	9/03/96	9/03/96	9/03/96	9/04/96	9/04/96	9/04/96	9/04/96
Conventionals in pct. (dry)								
Moisture	64	66	61	56	60	70	60	58
Total Organic Carbon	2.4	2.4	2	2.2	2.2	2.6	2.3	2
Metals in mg/kg (dry)								
Arsenic								
Cadmium								
Chromium								
Copper								
Lead								
Mercury	0.5	0.44	0.47	0.23 U	1	0.77	0.67	0.47
Silver								
Zinc								

Analytical Results for Surface Sediment Samples

Lab-ID	9609011-14	9609011-15	9609021-11	9609011-16	9609021-12	9609021-8	9609021-6	9609021-7
Sample-ID	HC-SS-17	HC-SS-18	HC-SS-19	HC-SS-20	HC-SS-21	HC-SS-22	HC-SS-23	HC-SS-24
Depth	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft
Sampling Date	9/04/96	9/04/96	9/06/96	9/04/96	9/06/96	9/06/96	9/06/96	9/06/96
Conventionals in pct. (dry)								
Moisture	59	58	64	64	63	67	59	60
Total Organic Carbon	2.1	2.2	2.6	3.4	3.7	2.7	3	4
Metals in mg/kg (dry)								
Arsenic			11	11	11	11	9.9	10
Cadmium			1.4 U	1.4 U	1.4 U	1.5 U	1.3	1.3 U
Chromium			67 E	72	66 E	61 E	69 E	54 E
Copper			52	61	56	51	56	55
Lead			15	22	19	14	21	18
Mercury	0.58	0.38	0.62	0.44	1.2	0.93	2	1.9
Silver			1.4 U	1.4 U	1.4 U	1.5 U	1.3 U	1.3 U
Zinc			95	110	100	90	100	92

Lab-ID	9609021-9	9609021-10	9609021-3	9609011-17	9609021-5	9609024-2	9609024-1	9609024-3
Sample-ID	HC-SS-25	HC-SS-202	HC-SS-26	HC-SS-27	HC-SS-28	HC-SS-29	HC-SS-30	HC-SS-203
Depth	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft
Sampling Date	9/06/96	9/06/96	9/05/96	9/04/96	9/06/96	9/06/96	9/06/96	9/06/96
		Dup of HC-SS-25						Dup of HC-SS-30
Conventionals in pct. (dry)								
Moisture	62	61	46	36	65	62	63	64
Total Organic Carbon	4.1	4.4	3.9	2.7	3.8	4.4	2.4	2.6
Metals in mg/kg (dry)								
Arsenic	11	11	7.1		10	8.8	8.4	7.7
Cadmium	1.3 U	1.3 U	0.94 U		1.7	1.4	1.4 U	1.4 U
Chromium	57 E	59 E	35 E		84 E	57	72	71
Copper	53	58	29		83	58	61	59
Lead	16	16	8		43	23	16	15
Mercury	1	1.1	0.38	0.23	0.47	0.7	0.49	0.55
Silver	1.3 U	1.3 U	0.94 U		1.5 U	1.4 U	1.4 U	1.4 U
Zinc	88	93	51		160	120	110	110

Analytical Results for Surface Sediment Samples

Lab-ID	9609021-13	9609021-4	9609024-7	9609024-8	9609012-1	9609012-6	9609012-2	9609012-7
Sample-ID	HC-SS-31	HC-SS-32	HC-SS-33	HC-SS-34	HC-SS-35	HC-SS-36	HC-SS-37	HC-SS-38
Depth	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft
Sampling Date	9/09/96	9/05/96	9/09/96	9/09/96	9/03/96	9/05/96	9/03/96	9/09/96
Conventionals in pct. (dry)								
Moisture	67	45	60	52	67	51	56	48
Total Organic Carbon	2.9	3.9	3.5	3.8	3.5	1.8	3.5	3.6
Metals in mg/kg (dry)								
Arsenic	8.6	5.7	6	6.4	11 E	9.5 E	9.5 E	6.3 E
Cadmium	1.6 U	0.92 U	1.3 U	1.1	1.6	1.2	1.4	0.89
Chromium	75 E	24 E	27	33	65	48	53	29
Copper	54	26	36	43	85	53	110	38
Lead	14	14	11	31	38	27	37	57
Mercury	0.37	0.73	0.89	1.5	0.73	0.5	0.43	0.19 U
Silver	1.6 U	0.92 U	1.3 U	1.1 U	1.4 U	0.92 U	1.1 U	1.2
Zinc	100	48	54	78	150	110	160	140

Lab-ID	9609012-8	9609022-2	9609021-2	9609021-1	9609011-18	9609022-1	9609011-19	9609012-3
Sample-ID	HC-SS-39	HC-SS-40	HC-SS-41	HC-SS-204	HC-SS-42	HC-SS-43	HC-SS-44	HC-SS-45
Depth	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft
Sampling Date	9/09/96	9/05/96	9/05/96	9/05/96 Dup of HC-SS-41	9/05/96	9/05/96	9/05/96	9/04/96
Conventionals in pct. (dry)								
Moisture	50	60	28	23	53	33	69	60
Total Organic Carbon	2.9	6	1.5	1.4	2.4	1.4	2.7	3.4
Metals in mg/kg (dry)								
Arsenic	7.2 E		3	2.6				11 E
Cadmium	0.99 U		0.7 U	0.66 U				1.6
Chromium	26		10 E	9.5 E				71
Copper	34		10	8.6				73
Lead	48		4.2 U	3.9 U				19
Mercury	0.2 U	11.8	0.13 U	0.13 U	0.42	0.15 U	0.59	0.36
Silver	2.9		0.7 U	0.66 U				1.2 U
Zinc	130		20	19				130

Analytical Results for Surface Sediment Samples

Lab-ID	9609011-20	9609012-4	9609012-5		
Sample-ID	HC-SS-46	HC-SS-47	HC-SS-48		
Depth	0 to .3 ft	0 to .3 ft	0 to .3 ft	SQS	
Sampling Date	9/05/96	9/04/96	9/05/96	Criteria	MCUL
Conventionals in pct. (dry)					
Moisture	55	50	23		
Total Organic Carbon	2.6	4	0.82		
Metals in mg/kg (dry)					
Arsenic		9.2 E	3.2 E	57	93
Cadmium		1.3	0.59 U	5.1	6.7
Chromium		49	17	260	270
Copper		51	16	390	390
Lead		24	11	450	530
Mercury	0.36	0.29	0.13 U	0.41	0.59
Silver		1 U	0.59 U	6.1	6.1
Zinc		190	51	410	960

Analytical Results for Surface Sediment Samples

Lab-ID	9609024-4	9609024-5	9609024-6	9609024-2	9609024-1	9609024-3	9609024-7	9609024-8
Sample-ID	HC-SS-03	HC-SS-06	HC-SS-08	HC-SS-29	HC-SS-30	HC-SS-203	HC-SS-33	HC-SS-34
Depth	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft
Sampling Date	9/06/96	9/06/96	9/06/96	9/06/96	9/06/96	9/06/96	9/09/96	9/09/96
HPAHs in mg/kg (OC)								
Benz(a)anthracene	2.36 UE	0.93 E	2.43 UE	5.45 E	6.25 E	3.85 E	2.26	4.47
Benzo(a)pyrene	0.68 E	1.03 E	2.43 E	5.00 E	3.42 E	2.42 E	1.46	2.89
Benzo(b)fluoranthene	1.32 EC	1.07 E	2.65 E	5.00 E	4.58 E	3.85 E	4.57 C	3.95
Benzo(ghi)perylene	3.32 UE	1.10 E	4.04 E	5.45 E	2.83 E	2.00 E	1.11 E	2.53
Benzo(k)fluoranthene	1.32 EC	0.79 E	2.35 E	5.23 E	4.58 E	2.85 E	4.57 C	2.47
Chrysene	1.00 E	1.48 E	3.17 E	9.32 E	10.00 E	8.08 E	5.71	5.26
Dibenz(a,h)anthracene	3.32 UE	3.31 UE	3.43 UE	2.00 E	3.46 UE	3.31 UE	2.20 U	0.92 E
Fluoranthene	2.61 E	3.03 E	8.70 E	14.32 E	12.50 E	10.00 E	9.14	11.32
Indeno(1,2,3-cd)pyrene	3.21 UE	3.21 UE	2.57 E	4.55 E	2.42 E	1.77 E	1.03 E	1.97
Pyrene	2.79 E	3.38 E	10.00 E	21.59 E	13.33 E	10.38 E	9.71	15.79
Total benzofluoranthenes	1.32	1.86	5.00	10.23	9.17	6.69	4.57	6.42
Total HPAHs	8.39	12.83	35.91	77.91	59.92	45.19	35.00	51.58
LPAHs in mg/kg (OC)								
2-Methylnaphthalene	1.79 UE	1.79 UE	1.78 E	2.73 E	0.63 E	1.77 UE	0.29 E	2.45
Acenaphthene	1.82 UE	1.83 UE	1.87 UE	1.41 E	1.92 UE	1.81 UE	1.20 U	1.29
Acenaphthylene	1.64 UE	1.66 UE	1.91 E	0.91 E	1.71 UE	1.62 UE	1.09 U	0.53 E
Anthracene	1.93 UE	1.93 UE	1.61 E	2.95 E	2.08 E	1.50 E	0.74 E	2.89
Fluorene	2.11 UE	2.10 UE	0.91 E	2.11 E	1.00 E	1.04 E	0.43 E	2.42
Naphthalene	5.36 E	4.83 E	13.91 E	9.32 E	1.75 E	1.81 UE	1.23 U	5.26
Phenanthrene	2.89 E	3.03 E	9.57 E	10.68 E	5.83 E	5.77 E	2.06	8.16
Total LPAHs	8.25	7.86	27.91	27.39	10.67	8.31	3.23	20.55
Semivolatiles in µg/kg (dry)								
Benzoic Acid	220 EB	340 EB	250 EB	230 EB	260 EB	240 EB	180 EB	160 EB
Benzyl Alcohol	4.4 E	5.1 E	7.1 E	12 E	49 E	31 E	4.6 E	4.2 E
Semivolatiles in mg/kg (OC)								
1,2,4-Trichlorobenzene	1.68 UE	1.66 UE	1.70 UE	0.93 UE	1.75 UE	1.65 UE	1.11 U	0.23 E
1,2-Dichlorobenzene	1.96 UE	1.97 UE	2.04 UE	1.09 UE	2.04 UE	1.96 UE	1.31 U	0.61 E
1,4-Dichlorobenzene	1.79 UE	1.79 UE	1.83 UE	1.00 UE	1.88 UE	1.77 UE	1.17 U	0.53 E
Dibenzofuran	0.75 E	0.72 E	2.74 E	1.80 E	0.83 E	0.73 E	0.34 E	2.18
Hexachlorobenzene	0.18 U	0.18 U	0.19 U	0.10 U	0.19 U	0.18 U	0.12 U	0.53
Hexachlorobutadiene	0.18 U	0.18 U	0.19 U	0.10 U	0.19 U	0.18 U	0.12 U	0.09 U
N-Nitroso diphenylamine	2.21 UE	2.21 UE	2.30 UE	1.23 UE	2.29 UE	2.19 UE	1.46 U	1.13 U

Analytical Results for Surface Sediment Samples

Lab-ID	9609024-4	9609024-5	9609024-6	9609024-2	9609024-1	9609024-3	9609024-7	9609024-8
Sample-ID	HC-SS-03	HC-SS-06	HC-SS-08	HC-SS-29	HC-SS-30	HC-SS-203	HC-SS-33	HC-SS-34
Depth	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft
Sampling Date	9/06/96	9/06/96	9/06/96	9/06/96	9/06/96	9/06/96	9/09/96	9/09/96
Phthalates in mg/kg (OC)								
Bis(2-ethylhexyl)phthalate	7.50 B	2.86 B	6.96 B	5.23 B	4.17 B	4.23 B	2.11 B	34.21 B
Butyl benzyl phthalate	3.32 UE	3.31 UE	1.00 E	1.84 UE	0.75 E	3.27 UE	2.20 U	1.68 U
Di-n-butyl phthalate	2.57 UE	2.55 UE	1.04 E	0.55 E	1.08 E	2.54 UE	1.69 U	1.29 U
Di-n-octyl phthalate	3.11 UE	3.07 UE	3.17 UE	1.70 UE	3.21 UE	3.04 UE	2.06 U	1.58 U
Diethyl phthalate	4.29 UE	4.48 UE	4.35 UE	2.50 UE	4.58 UE	4.23 UE	2.86 U	2.21 U
Dimethyl phthalate	3.57 UE	3.79 UE	3.83 UE	2.05 UE	3.83 UE	3.65 UE	2.46 U	1.87 U
PCBs in mg/kg (OC)								
PCB-1016	5.36 U	5.52 U	5.65 U	2.95 U	5.83 U	5.38 U	3.71 U	2.63 U
PCB-1221	5.36 U	5.52 U	5.65 U	2.95 U	5.83 U	5.38 U	3.71 U	2.63 U
PCB-1232	5.36 U	5.52 U	5.65 U	2.95 U	5.83 U	5.38 U	3.71 U	2.63 U
PCB-1242	5.36 U	5.52 U	5.65 U	2.95 U	5.83 U	5.38 U	3.71 U	2.63 U
PCB-1248	5.36 U	5.52 U	5.65 U	2.95 U	5.83 U	5.38 U	3.71 U	2.63 U
PCB-1254	5.36 U	5.52 U	5.65 U	2.95 U	5.83 U	5.38 U	3.71 U	2.11 E
PCB-1260	5.36 U	5.52 U	5.65 U	2.95 U	5.83 U	5.38 U	3.71 U	2.63 U
Total PCBs	5.36 U	5.52 U	5.65 U	2.95 U	5.83 U	5.38 U	3.71 U	2.11 E
Phenols in µg/kg (dry)								
2,4-Dimethylphenol	23 UE	24 UE	2.3 E	6.3 E	2.1 E	42 UE	2.3 E	4.2 E
2-Methylphenol	9.1 E	13 E	3 E	8 E	3.9 E	17 E	3.2 E	7.4 E
4-Methylphenol	1600 E	1900 E	870 E	410 E	680 E	1100 E	200	870
Pentachlorophenol	6.5 E	4.7 E	8.2 E	100 E	24 E	19 E	5.9 E	14 E
Phenol	900 E	2200 E	1000 E	1000 E	1300 E	1500 E	270	230
Total Phenols(detects only)	2516	4118	1884	1524	2010	2636	481.4	1126

Analytical Results for Surface Sediment Samples

Lab-ID	9609012-1	9609012-6	9609012-2	9609012-7	9609012-8	9609012-3	9609012-4	9609012-5		
Sample-ID	HC-SS-35	HC-SS-36	HC-SS-37	HC-SS-38	HC-SS-39	HC-SS-45	HC-SS-47	HC-SS-48		
Depth	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft	SQS	
Sampling Date	9/03/96	9/05/96	9/03/96	9/09/96	9/09/96	9/04/96	9/04/96	9/05/96	Criteria	MCUL
HPAHs in mg/kg (OC)										
Benz(a)anthracene	3.71	5.56	8.57	11.67	8.28	5.29	42.50	18.29	110	270
Benzo(a)pyrene	2.80	3.94	6.29	12.22	9.66	3.24	13.50	20.73	99	210
Benzo(b)fluoranthene	7.14 C	9.44 C	14.57 C	23.89 C	20.00 C	8.53 C	35.00 C	20.73		
Benzo(ghi)perylene	3.14	3.78	6.29	11.11	11.03	2.24 E	5.75	19.51	31	78
Benzo(k)fluoranthene	7.14 C	9.44 C	14.57 C	23.89 C	20.00 C	8.53 C	35.00 C	19.51		
Chrysene	6.00	8.33	13.71	17.50	11.72	8.82	47.50	29.27	110	460
Dibenz(a,h)anthracene	1.57 E	2.72	2.63	5.00	4.48	1.32 E	3.75	9.27	12	33
Fluoranthene	7.43	10.56	16.57	25.28	20.69	10.29	125.00	47.56	160	1200
Indeno(1,2,3-cd)pyrene	2.71	3.33	5.43	10.00	9.31	2.24	5.75	18.29	34	88
Pyrene	7.71	13.33	19.43	26.67	24.14	10.00	117.50	47.56	1000	1400
Total benzofluoranthenes	7.14	9.44	14.57	23.89	20.00	8.53	35.00	40.24	230	450
Total HPAHs	42.23	61.00	93.49	143.33	119.31	51.97	396.25	250.73	960	5300
LPAHs in mg/kg (OC)										
2-Methylnaphthalene	0.83 E	1.39 E	8.00	0.83 E	2.34	0.94 E	4.00	6.83	38	64
Acenaphthene	1.46 U	1.11 E	2.06	1.14	1.00 E	0.47 E	40.00	2.07 E	16	57
Acenaphthylene	1.31 U	1.72 U	0.49 E	0.26 E	1.07 U	1.12 U	2.15	1.16 E	66	66
Anthracene	1.43 E	2.11	6.86	3.89	3.28	1.56	35.00	5.98	220	1200
Fluorene	0.69 E	1.50 E	4.00	1.83	1.38	0.94 E	7.50	4.02	23	79
Naphthalene	1.49 U	3.39	6.86	1.42	2.48	1.53	3.75	7.44	99	170
Phenanthrene	4.57	6.67	12.86	15.28	13.45	4.41	30.00	24.39	100	480
Total LPAHs	6.69	14.78	33.11	23.82	21.59	8.91	118.40	45.06	370	780
Semivolatiles in µg/kg (dry)										
Benzoic Acid	390 B	180 EB	340 B	350 B	59 EB	230 EB	290 B	89 EB	650	650
Benzyl Alcohol	19 E	9.5 E	30 E	55	23 E	5.7 E	7.7 E	34 U	57	73
Semivolatiles in mg/kg (OC)										
1,2,4-Trichlorobenzene	1.34 U	1.72 U	1.00 U	0.83 U	1.07 U	1.15 U	0.78 U	2.44 U	0.81	1.8
1,2-Dichlorobenzene	1.57 U	2.06 U	1.17 U	0.97 U	1.24 U	1.35 U	0.90 U	2.93 U	2.3	2.3
1,4-Dichlorobenzene	1.43 U	1.89 U	1.09 U	0.89 U	1.14 U	1.21 U	0.83 U	2.56 U	3.1	9
Dibenzofuran	0.63 E	1.22 E	3.43	1.03	1.03 E	0.91 E	4.50	4.88	15	58
Hexachlorobenzene	0.31	0.19 U	0.11 U	0.09 U	0.11 U	0.12 U	0.08 U	0.27 U	0.38	2.3
Hexachlorobutadiene	0.15 U	0.19 U	0.11 U	0.09 U	0.11 U	0.12 U	0.08 U	0.27 U	3.9	6.2
N-Nitroso diphenylamine	1.77 U	2.33 U	1.34 U	1.08 U	1.41 U	1.50 U	1.03 U	3.29 U	11	11

Analytical Results for Surface Sediment Samples

Lab-ID	9609012-1	9609012-6	9609012-2	9609012-7	9609012-8	9609012-3	9609012-4	9609012-5		
Sample-ID	HC-SS-35	HC-SS-36	HC-SS-37	HC-SS-38	HC-SS-39	HC-SS-45	HC-SS-47	HC-SS-48		
Depth	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft	0 to .3 ft	SQS	
Sampling Date	9/03/96	9/05/96	9/03/96	9/09/96	9/09/96	9/04/96	9/04/96	9/05/96	Criteria	MCUL
Phthalates in mg/kg (OC)										
Bis(2-ethylhexyl)phthalate	9.71 B	8.33 B	16.86 B	38.89 B	33.59 B	13.24 B	700.00 B	25.61 B	47	78
Butyl benzyl phthalate	0.91 E	0.83 E	1.31 E	1.72	2.59	0.59 E	1.53 U	1.83 E	4.9	64
Di-n-butyl phthalate	2.06 U	2.67 U	1.54 U	0.94 E	1.34 E	1.74 U	1.18 U	1.34 E	220	1700
Di-n-octyl phthalate	2.49 U	3.22 U	1.86 U	2.78	1.97 U	2.12 U	1.43 U	4.51 U	58	4500
Diethyl phthalate	3.43 U	4.56 U	2.60 U	2.14 U	1.62 E	2.94 U	2.00 U	6.34 U	61	110
Dimethyl phthalate	0.86 E	0.61 E	2.14 E	1.83 U	0.55 E	2.53 U	0.73 E	5.37 U	53	53
PCBs in mg/kg (OC)										
PCB-1016	4.29 U	5.56 U	3.14 U	2.67 U	3.45 U	3.82 U	2.50 U	7.93 U		
PCB-1221	4.29 U	5.56 U	3.14 U	2.67 U	3.45 U	3.82 U	2.50 U	7.93 U		
PCB-1232	4.29 U	5.56 U	3.14 U	2.67 U	3.45 U	3.82 U	2.50 U	7.93 U		
PCB-1242	4.29 U	5.56 U	3.14 U	2.67 U	3.45 U	3.82 U	2.50 U	7.93 U		
PCB-1248	4.29 U	5.56 U	3.14 U	2.67 U	3.45 U	3.82 U	2.50 U	7.93 U		
PCB-1254	4.29 U	5.56 U	3.14 U	2.67 U	3.45 U	3.82 U	2.50 U	7.93 U		
PCB-1260	4.29 U	5.56 U	3.14 U	2.67 U	3.45 U	3.82 U	3.25	7.93 U		
Total PCBs	4.29 U	5.56 U	3.14 U	2.67 U	3.45 U	3.82 U	3.25	7.93 U	12	65
Phenols in µg/kg (dry)										
2,4-Dimethylphenol	23 U	1.7 E	10 E	29 U	2.1 E	14 E	16 E	10 E	29	29
2-Methylphenol	4.1 E	2.1 E	7.1 E	6.7 E	3.3 E	9 E	11 E	5.9 E	63	63
4-Methylphenol	340	320	630	95	55	220	210	42	670	670
Pentachlorophenol	38 E	20 E	35 E	35 E	19 E	15 E	18 E	10 E	360	690
Phenol	1500	880	900	29 U	24 E	1500	460	72	420	1200
Total Phenols(detects only)	1882	1224	1582	136.7	103.4	1758	715	139.9		

Analytical Results for Surface Sediment Samples - WW Area - 1998

Parameter	Chemical Criteria SQS	Chemical Criteria MCUL	Survey	Z063 98-030-01	Z063 98-030-01	Z037 98-030-01
			Date	10/28/98	10/29/98	10/27/98
			Sample ID	AN-SS-36	AN-SS-37	AN-SC-70
Metals in mg/kg (dry)						
Cadmium	5.1	6.7		0.9 J	0.9 J	0.9 J
Mercury	0.41	0.59		0.61	0.50	0.85
Zinc	410	960		92	148	100
Conventional Parameters in %						
Gravel				17.4	40.1	0.9
Sand				65.6	22.3	7.4
Silt				9.3	24.1	51.5
Clay				7.8	13.5	40.3
Fines				17.1	37.5	91.8
Total solids				72.8	58.0	37.8
Total organic carbon				3.3	3.4	2.4
pH in pH units				7.8	8.1	7.4
LPAHs in mg/kg (TOC)						
Naphthalene	99	170		1.9	5.9	6.7
Acenaphthylene	66	66		0.58 U	0.88	0.83
Acenaphthene	16	57		0.91	2.8	0.79 U
Flourene	23	79		1.3	3.8	1.1
Phenanthrene	100	480		5.5	14	7.1
Anthracene	220	1200		2.1	5.0	1.7
2-Methylnaphthalene	38	64		1.7	5.0	1.3
Total LPAHs[2]	370	780		14	37	19
HPAHs in mg/kg (TOC)						
Fluoranthene	160	1200		9.1	18	8.8
Pyrene	1000	1400		33	41	11
Benzo(a)anthracene	110	270		4.2	11	2.0
Chrysene	110	460		5.5	15	3.1
Benzo(b)fluoranthene				7.6	14	2.0
Benzo(k)fluoranthene				5.8	10	3.2
Total benzofluoranthenes[1]	230	450		13	24	5.2

Analytical Results for Surface Sediment Samples - WW Area - 1998

Parameter	Chemical Criteria SQS	Chemical Criteria MCUL	Survey	Z063 98-030-01	Z063 98-030-01	Z037 98-030-01
			Date	10/28/98	10/29/98	10/27/98
			Sample ID	AN-SS-36	AN-SS-37	AN-SC-70
Benzo(a)pyrene	99	210		5.5	10	2.0
Indeno(1,2,3-cd)pyrene	34	88		2.4	5.0	1.3
Dibenz(a,h)anthracene	12	33		1.3	1.7	0.79 U
Benzo(g,h,i)perylene	31	78		2.1	3.5	1.3
Total HPAHs[2]	960	5300		77	131	35
Phthalates in mg/kg (TOC)						
Dimethylphthalate	53	53		0.58 U	1.2	0.79 U
Diethylphthalate	61	110		0.58 U	0.56 U	0.79 U
Di-n-Butylphthalate	220	1700		0.58 U	1.0	1.8
Butylbenzylphthalate	4.9	64		0.58 U	1.6	0.79 U
Bis(2-ethylhexyl)phthalate	47	78		28	25 EB	6.3
Di-n-Octyl phthalate	58	4500		0.58 U	0.56 U	0.79 U
Semivolatiles in mg/kg (TOC)						
1,2-Dichlorobenzene	2.3	2.3		0.58 U	0.56 U	0.79 U
1,4-Dichlorobenzene	3.1	9.0		3.0	0.56 U	0.79 U
1,2,4-Trichlorobenzene	0.81	1.80		0.58 U	0.56 U	0.79 U
Hexachlorobenzene	0.38	2.30		0.58 U	0.56 U	0.79 U
Dibenzofuran	15	58		1.4	4.1	2.0
Hexachlorobutadiene	3.9	6.2		0.58 U	0.56 U	0.79 U
N-Nitrosodiphenylamine	11	11		0.58 U	0.56 U	0.79 U
Semivolatiles in ug/kg (dry)						
Phenol	420	1200		36	19 U	19 U
2-Methylphenol	63	63		19 U	19 U	19 U
4-Methylphenol	670	670		300	200	240
2,4-Dimethylphenol	29	29		19 U	19 U	19 U
Pentachlorophenol	360	690		97 U	95 U	96 U
Benzyl Alcohol	57	73		180	19 U	19 U
Benzoic Acid	650	650		190 U	190 U	190 U

Analytical Results for Surface Sediment Samples - WW Area - 1998

Parameter	Z063 98-030-01 10/27/98 AN-SC-71	Z063 98-030-01 10/28/98 AN-SC-72	Z063 98-030-01 10/28/98 AN-SC-73	Z063 98-030-01 10/28/98 AN-SC-77	Z063 98-030-01 10/28/98 AN-SC-78	Z063 98-030-01 10/28/98 AN-SC-80
Metals in mg/kg (dry)						
Cadmium	0.9 J	0.8 J	0.9 J	1	2	1
Mercury	1.2	0.90	0.81	1.2	1.0	0.71
Zinc	109	102	129	116	121	145
Conventional Parameters in %						
Gravel	0.2	0.0	0.0	0.1	1.2	1.2
Sand	13.3	16.6	10.5	9.1	11.6	14.9
Silt	44.7	45.3	46.8	47.2	54.2	45.3
Clay	41.8	38.0	42.7	43.6	33.0	38.7
Fines	86.5	83.3	89.5	90.8	87.2	83.9
Total solids	35.7	37.5	35.1	36.3	37.3	33.8
Total organic carbon	2.7	2.2	3.4	3.6	4.3	3.0
pH in pH units	7.6	7.8	7.5	7.6	8.1	7.6
LPAHs in mg/kg (TOC)						
Naphthalene	6.3	5.9	2.6	2.8	2.8	3.0
Acenaphthylene	0.85	1.0	0.59 U	0.56 U	0.47	1.3 U
Acenaphthene	4.4	2.4	1.3	1.1	0.65	1.7
Flourene	5.6	5.0	2.2	2.0	1.3	2.8
Phenanthrene	22	18	8.8	6.4	6.0	13
Anthracene	6.7	12	3.8	3.3	3.0	6.0
2-Methylnaphthalene	2.4	2.6	1.3	1.4	1.3	1.9
Total LPAHs[2]	48	47	21	18	16	29
HPAHs in mg/kg (TOC)						
Fluoranthene	32	31	18	20	11	33
Pyrene	44	50	20	26	19	40 G
Benzo(a)anthracene	14	18	7.4	7.8	4.9	16
Chrysene	19	27	9.4	11	6.5	18
Benzo(b)fluoranthene	11	13	6.5	6.1	5.8	15
Benzo(k)fluoranthene	10	10	5.3	6.4	4.4	13
Total benzofluoranthenes[1]	21	23	12	13	10	27

Analytical Results for Surface Sediment Samples - WW Area - 1998

Parameter	Z063 98-030-01 10/27/98 AN-SC-71	Z063 98-030-01 10/28/98 AN-SC-72	Z063 98-030-01 10/28/98 AN-SC-73	Z063 98-030-01 10/28/98 AN-SC-77	Z063 98-030-01 10/28/98 AN-SC-78	Z063 98-030-01 10/28/98 AN-SC-80
Benzo(a)pyrene	8.5	9.1	5.0	5.3	3.5	9.3
Indeno(1,2,3-cd)pyrene	3.4	4.0	2.2	2.6	2.0	4.7
Dibenz(a,h)anthracene	1.2	1.6	0.82	0.97	0.56	2.2
Benzo(g,h,i)perylene	2.2	2.5	1.6	1.6	1.9	3.7
Total HPAHs[2]	147	166	76	88	59	154
Phthalates in mg/kg (TOC)						
Dimethylphthalate	0.74 U	0.91 U	0.59 U	0.56 U	0.47 U	1.3 U
Diethylphthalate	0.74 U	0.91 U	0.59 U	0.56 U	0.47 U	1.3 U
Di-n-Butylphthalate	0.74 U	0.91 U	0.59 U	0.56 U	0.47 U	1.3 U
Butylbenzylphthalate	0.74 U	0.91 U	0.59 U	0.56 U	1.0 M	2.1 M
Bis(2-ethylhexyl)phthalate	4.4 E	6.4 E	5.3 E	5.3 E	8.4	26
Di-n-Octyl phthalate	0.74 U	0.91 U	0.59 U	0.56 U	0.47 U	1.3 U
Semivolatiles in mg/kg (TOC)						
1,2-Dichlorobenzene	0.74 U	0.91 U	0.59 U	0.56 U	0.47 U	1.3 U
1,4-Dichlorobenzene	0.74 U	0.91 U	0.59 U	0.56 U	0.47 U	1.3 U
1,2,4-Trichlorobenzene	0.74 U	0.91 U	0.59 U	0.56 U	0.47 U	1.3 U
Hexachlorobenzene	0.74 U	0.91 U	0.59 U	0.56 U	0.47 U	1.3 U
Dibenzofuran	5.6	4.5	2.3	2.3	1.5	3.2
Hexachlorobutadiene	0.74 U	0.91 U	0.59 U	0.56 U	0.47 U	1.3 U
N-Nitrosodiphenylamine	0.74 U	0.91 U	0.59 U	0.56 U	0.47 U	1.3 U
Semivolatiles in ug/kg (dry)						
Phenol	20 U	20 U	20 U	20 U	20 U	39 U
2-Methylphenol	20 U	20 U	20 U	20 U	20 U	39 U
4-Methylphenol	290	240	170	140	160	140
2,4-Dimethylphenol	20 U	20 U	20 U	20 U	20 U	39 U
Pentachlorophenol	99 U	99 U	99 U	99 U	98 U	190 U
Benzyl Alcohol	20 U	20 U	20 U	20 U	20 U	39 U
Benzoic Acid	200 U	200 U	200 U	200 U	200 U	390 U

Analytical Results for Surface Sediment Samples - WW Area - 1998

Parameter	Z063 98-030-01 10/29/98 AN-SC-81	Z063 98-030-01 10/29/98 AN-SC-82	Z037 98-030-01 10/27/98 AN-SC-84
Metals in mg/kg (dry)			
Cadmium	1	1	1 U
Mercury	0.62	0.52	0.45
Zinc	183	166	106
Conventional Parameters in %			
Gravel	0.0	0.1	2.1
Sand	26.0	17.2	6.1
Silt	46.0	50.8	47.7
Clay	28.0	31.8	44.0
Fines	74.0	82.6	91.8
Total solids	51.4	32.6	43.3
Total organic carbon	3.0	4.8	2.6
pH in pH units	7.9	8.0	7.5
LPAHs in mg/kg (TOC)			
Naphthalene	3.1	1.7	2.0
Acenaphthylene	0.67	0.42	0.77 U
Acenaphthene	2.1	0.98	0.77 U
Flourene	3.1	3.8	0.96
Phenanthrene	17	18	3.8
Anthracene	7.3	12	1.6
2-Methylnaphthalene	1.8	1.2	1.4
Total LPAHs[2]	35	38	11
HPAHs in mg/kg (TOC)			
Fluoranthene	29	14	8.5
Pyrene	57	25	9.2
Benzo(a)anthracene	17	15	2.4
Chrysene	29	46	3.8
Benzo(b)fluoranthene	28	16	2.5
Benzo(k)fluoranthene	15	7.5	3.0
Total benzofluoranthenes[1]	43	24	5.5

Analytical Results for Surface Sediment Samples - WW Area - 1998

Parameter	Z063 98-030-01 10/29/98 AN-SC-81	Z063 98-030-01 10/29/98 AN-SC-82	Z037 98-030-01 10/27/98 AN-SC-84
Benzo(a)pyrene	19	9.2	1.9
Indeno(1,2,3-cd)pyrene	9.7 L	4.6 L	1.1
Dibenz(a,h)anthracene	3.7 L	1.6 L	0.77 U
Benzo(g,h,i)perylene	7.0 L	2.9 L	1.3
Total HPAHs[2]	214	142	35
Phthalates in mg/kg (TOC)			
Dimethylphthalate	0.83	0.42 U	0.77 U
Diethylphthalate	0.67 U	0.42 U	0.77 U
Di-n-Butylphthalate	0.67 U	0.42 U	1.3
Butylbenzylphthalate	5.3 M	2.3 M	0.88
Bis(2-ethylhexyl)phthalate	47 EB	27 EB	4.6
Di-n-Octyl phthalate	0.67 U	1.2 E	0.77 U
Semivolatiles in mg/kg (TOC)			
1,2-Dichlorobenzene	0.67 U	0.42 U	0.77 U
1,4-Dichlorobenzene	0.67 U	0.42 U	0.77 U
1,2,4-Trichlorobenzene	0.67 U	0.42 U	0.77 U
Hexachlorobenzene	0.67 U	0.42 U	0.77 U
Dibenzofuran	3.0	1.9	1.4
Hexachlorobutadiene	0.67 U	0.42 U	0.77 U
N-Nitrosodiphenylamine	0.67 U	0.42 U	0.77 U
Semivolatiles in ug/kg (dry)			
Phenol	20 U	20 U	34
2-Methylphenol	20 U	20 U	20 U
4-Methylphenol	89	84	62
2,4-Dimethylphenol	20 U	20 U	20 U
Pentachlorophenol	98 U	98 U	99 U
Benzyl Alcohol	20 U	20 U	20 U
Benzoic Acid	200 U	200 U	200 U

Analytical Results for Surface Sediment Samples - Starr Rock - 1998

Parameter	Chemical Criteria SQS	Chemical Criteria CSL	Survey	Z036 98-007-03	Z036 98-007-03	Z036 98-007-03	Z036 98-007-03
			Date	10/26/98	10/26/98	10/26/98	10/26/98
			Sample ID	AN-SS-301	AN-SS-302	AN-SS-303	AN-SS-304
Metals in mg/kg (dry)							
Arsenic	57	93		12	8	12	3
Cadmium	5.1	6.7		0.9 J	1.0 U	0.6 J	1.0 U
Chromium	260	270		67	79	79	16
Copper	390	390		51	54	52	22
Lead	450	530		29	20 U	25	29
Mercury	0.41	0.59		1.0	0.45	2.9	0.062 J
Silver	6.1	6.1		2.0 U	2.0 U	2.0 U	2.0 U
Zinc	410	960		90	106	108	72
Conventional Parameters in %							
Gravel				2.3	0.0	4.3	5.6
Sand				39.0	3.8	15.3	88.8
Silt				32.0	58.3	43.9	2.4
Clay				26.8	37.9	36.4	3.2
Fines				58.8	96.2	80.3	5.6
Total solids				33.2	38.0	36.7	55.8
Total organic carbon				8.8	2.6	4.1	9.2
pH in pH units				7.6	7.5	7.6	8.1
LPAHs in mg/kg (TOC)							
Naphthalene	99	170		16	9.2	2.0	7.7
Acenaphthylene	66	66		8.0	3.8	0.49 U	2.4
Acenaphthene	16	57		2.6	1.3	0.49 U	1.1
Flourene	23	79		4.9	2.5	0.49 U	2.4
Phenanthrene	100	480		27	12	2.2	21 E
Anthracene	220	1200		16	6.9	0.61	5.2
2-Methylnaphthalene	38	64		6.5	2.6	0.61	1.7
Total LPAHs[2]	370	780		81	39	6.9	42
HPAHs in mg/kg (TOC)							

Analytical Results for Surface Sediment Samples - Starr Rock - 1998

Parameter	Chemical Criteria SQS	Chemical Criteria CSL	Survey	Z036 98-007-03	Z036 98-007-03	Z036 98-007-03	Z036 98-007-03
			Date	10/26/98	10/26/98	10/26/98	10/26/98
			Sample ID	AN-SS-301	AN-SS-302	AN-SS-303	AN-SS-304
Fluoranthene	160	1200		63 E	33	2.9	37 E
Pyrene	1000	1400		108 E	46	4.9	33 E
Benzo(a)anthracene	110	270		57 E	21	1.0	15
Chrysene	110	460		56	23	1.5	15
Benzo(b)fluoranthene				60 E	19	1.8	16
Benzo(k)fluoranthene				30	20	0.98	13
Total benzofluoranthenes[1]	230	450		90 E	39	2.8	29
Benzo(a)pyrene	99	210		68 E	28	1.3	20 E
Indeno(1,2,3-cd)pyrene	34	88		42 E	15	0.83	13
Dibenz(a,h)anthracene	12	33		15	3.8	0.49 U	3.3
Benzo(g,h,i)perylene	31	78		35	8.5	0.73	11
Total HPAHs[2]	960	5300		534 E	219	16	177 E
Phthalates in mg/kg (TOC)							
Dimethylphthalate	53	53		0.45 U	0.77 U	0.49 U	0.21 U
Diethylphthalate	61	110		0.45 U	0.77 U	0.49 U	0.21 U
Di-n-Butylphthalate	220	1700		0.45 U	0.77 U	0.49 U	0.21 U
Butylbenzylphthalate	4.9	64		0.45 U	0.77 U	0.49 U	0.21 U
Bis(2-ethylhexyl)phthalate	47	78		0.65	2.2	1.6	0.83
Di-n-Octyl phthalate	58	4500		0.45 U	0.77 U	0.49 U	0.21 U
Semivolatiles in mg/kg (TOC)							
1,2-Dichlorobenzene	2.3	2.3		0.45 U	0.77 U	0.49 U	0.21 U
1,4-Dichlorobenzene	3.1	9.0		0.45 UG	0.77 UG	0.49 UG	0.21 UG
1,2,4-Trichlorobenzene	0.81	1.80		0.45 UG	0.77 UG	0.49 UG	0.21 UG
Hexachlorobenzene	0.38	2.30		0.45 U	0.77 U	0.49 U	0.21 U
Dibenzofuran	15	58		2.7	2.5	0.54	1.3
Hexachlorobutadiene	3.9	6.2		0.45 U	0.77 U	0.49 U	0.21 U
N-Nitrosodiphenylamine	11	11		0.45 U	0.77 U	0.49 U	0.21 U
Semivolatiles in ug/kg (dry)							

Analytical Results for Surface Sediment Samples - Starr Rock - 1998

Parameter	Chemical Criteria SQS	Chemical Criteria CSL	Survey	Z036 98-007-03	Z036 98-007-03	Z036 98-007-03	Z036 98-007-03
			Date	10/26/98	10/26/98	10/26/98	10/26/98
			Sample ID	AN-SS-301	AN-SS-302	AN-SS-303	AN-SS-304
Phenol	420	1200		40 UG	24 G	33 G	36 G
2-Methylphenol	63	63		40 U	20 U	20 U	19 U
4-Methylphenol	670	670		86	190	70	120
2,4-Dimethylphenol	29	29		40 U	20 U	20 U	19 U
Pentachlorophenol	360	690		200 UG	98 UG	99 UG	95 UG
Benzyl Alcohol	57	73		40 U	20 U	20 U	19 U
Benzoic Acid	650	650		400 U	200 U	200 U	190 U

Analytical Results for Surface Sediment Samples - Starr Rock - 1998

Parameter	Z036 98-007-03 10/26/98 AN-SS-305	Z036 98-007-03 10/26/98 AN-SS-306
Metals in mg/kg (dry)		
Arsenic	14	12
Cadmium	0.8 J	0.8 J
Chromium	52	56
Copper	47	41
Lead	44	20 U
Mercury	1.5	0.74
Silver	2.0 U	2.0 U
Zinc	83	92
Conventional Parameters in %		
Gravel	1.5	2.7
Sand	37.6	29.8
Silt	31.6	39.0
Clay	29.4	28.5
Fines	61.0	67.5
Total solids	28.2	45.9
Total organic carbon	13	2.8
pH in pH units	7.5	7.7
LPAHs in mg/kg (TOC)		
Naphthalene	7.7	1.8
Acenaphthylene	0.85	0.68 U
Acenaphthene	0.58	0.68 U
Flourene	1.2	0.68 U
Phenanthrene	6.2	3.9
Anthracene	2.2	0.89
2-Methylnaphthalene	1.4	0.68 U
Total LPAHs[(2)]	20	9.4
HPAHs in mg/kg (TOC)		

- Analytical Results for Surface Sediment Samples - Starr Rock - 1998

Parameter	Z036 98-007-03 10/26/98 AN-SS-305	Z036 98-007-03 10/26/98 AN-SS-306
Fluoranthene	8.5	7.1
Pyrene	13	7.5
Benzo(a)anthracene	4.8	3.1
Chrysene	4.8	3.6
Benzo(b)fluoranthene	4.7	6.1
Benzo(k)fluoranthene	3.9	3.9
Total benzofluoranthenes[1]	8.6	10
Benzo(a)pyrene	6.0	4.3
Indeno(1,2,3-cd)pyrene	3.7	3.5
Dibenz(a,h)anthracene	1.3	1.1
Benzo(g,h,i)perylene	2.8	2.3
Total HPAHs[2]	53	43
Phthalates in mg/kg (TOC)		
Dimethylphthalate	0.17 U	0.68 U
Diethylphthalate	0.17 U	0.68 U
Di-n-Butylphthalate	0.17 U	0.68 U
Butylbenzylphthalate	0.17 U	0.68 U
Bis(2-ethylhexyl)phthalate	0.49	1.2
Di-n-Octyl phthalate	0.17 U	0.68 U
Semivolatiles in mg/kg (TOC)		
1,2-Dichlorobenzene	0.17 U	0.68 U
1,4-Dichlorobenzene	0.17 UG	0.68 UG
1,2,4-Trichlorobenzene	0.17 UG	0.68 UG
Hexachlorobenzene	0.17 U	0.68 U
Dibenzofuran	1.0	0.68 U
Hexachlorobutadiene	0.17 U	0.68 U
N-Nitrosodiphenylamine	0.17 U	0.68 U
Semivolatiles in ug/kg (dry)		

- Analytical Results for Surface Sediment Samples - Starr Rock - 1998

Parameter	Z036 98-007-03 10/26/98 AN-SS-305	Z036 98-007-03 10/26/98 AN-SS-306
Phenol	52 G	58 G
2-Methylphenol	22 U	19 U
4-Methylphenol	190	36
2,4-Dimethylphenol	22 U	19 U
Pentachlorophenol	110 UG	97 UG
Benzyl Alcohol	22 U	19 U
Benzoic Acid	220 U	190 U

10-day Amphipod (*E. estuarius*) Mortality Sediment Bioassay

	Replicate (mortality)					
	A	B	C	D	E	Mean
Whatcom Waterway Area in 1996						
Reference ID						
CR-02	0.05	0.00	0.00	0.05	0.10	0.04
CR-22	0.20	0.10	0.00	0.00	0.15	0.09
CR-24	0.05	0.20	0.05	0.00	0.00	0.06
Negative Control	0.00	0.00	0.00	0.00	0.00	0.00
Sample ID						
HC-SS-03	0.15	0.05	0.25	0.20	0.05	0.14
HC-SS-06	0.05	0.10	0.10	0.05	0.00	0.06
HC-SS-08	0.15	0.05	0.05	0.40	0.00	0.13
HC-SS-13	0.05	0.00	0.10	0.05	0.05	0.05
HC-SS-14	0.05	0.00	0.00	0.00	0.00	0.01
HC-SS-15	0.10	0.00	0.00	0.00	0.00	0.02
HC-SS-17	0.10	0.15	0.15	0.10	0.05	0.11
HC-SS-19	0.05	0.00	0.00	0.00	0.00	0.01
HC-SS-21	0.10	0.05	0.00	0.10	0.05	0.06
HC-SS-22	0.20	0.00	0.05	0.05	0.10	0.08
HC-SS-23	0.00	0.10	0.10	0.10	0.00	0.06
HC-SS-24	0.05	0.00	0.10	0.15	0.10	0.08
HC-SS-25	0.05	0.00	0.00	0.00	0.00	0.01
HC-SS-26	0.05	0.05	0.05	0.05	0.05	0.05
HC-SS-29	0.15	0.15	0.05	0.05	0.10	0.10
HC-SS-30	0.05	0.05	0.05	0.05	0.00	0.04
HC-SS-31	0.10	0.10	0.25	0.00	0.05	0.10
HC-SS-32	0.05	0.05	0.15	0.10	0.10	0.09
HC-SS-33	0.20	0.20	0.05	0.10	0.10	0.13
HC-SS-34	0.05	0.15	0.15	0.10	0.15	0.12
HC-SS-35	0.10	0.00	0.10	0.05	0.05	0.06
HC-SS-41	0.05	0.00	0.00	0.00	0.00	0.01
Whatcom Waterway Area in 1998						
Reference ID – Non-purged						
CR-10	0.05	0.05	0.10	0.15	0.10	0.09
CR-22	0.00	0.05	0.00	0.00	0.10	0.03
CR-23W	0.05	0.05	0.00	0.05	0.05	0.04
Negative Control	0.00	0.00	0.05	0.00	0.05	0.02
Reference ID – Purged						
CR-10	0.10	0.00	0.00	0.00	0.10	0.04
CR-22	0.00	0.00	0.00	0.00	0.00	0.00
CR-23W	0.00	0.00	0.00	0.00	0.00	0.00
Negative Control	0.00	0.00	0.00	0.00	0.10	0.02

48-Hour Bivalve Larval (*M. edulis* or *M. galloprovincialis*) Sediment Bioassay

	Replicate (Normal Survival)					
	A	B	C	D	E	Mean
Whatcom Waterway Area in 1996 (*M. edulis*)						
Reference ID						
CR-02	0.66	0.62	0.64	0.63	0.70	0.65
CR-22	0.62	0.46	0.51	0.65	0.56	0.56
CR-24	0.53	0.47	0.64	0.61	0.60	0.57
Negative Control	0.75	0.74	0.69	0.82	0.73	0.74
Sample ID						
HC-SS-03	0.60	0.65	0.58	0.57	0.60	0.60
HC-SS-06	0.61	0.62	0.62	0.58	0.74	0.63
HC-SS-08	0.12	0.13	0.52	0.64	0.37	0.35
HC-SS-13	0.50	0.45	0.65	0.60	0.57	0.56
HC-SS-14	0.66	0.55	0.56	0.54	0.58	0.58
HC-SS-15	0.58	0.74	0.60	0.54	0.68	0.63
HC-SS-17	0.60	0.79	0.76	0.82	0.71	0.74
HC-SS-19	0.56	0.63	0.62	0.54	0.68	0.61
HC-SS-21	0.68	0.59	0.68	0.67	0.60	0.64
HC-SS-22	0.63	0.81	0.86	0.71	0.56	0.71
HC-SS-23	0.71	0.63	0.53	0.47	0.59	0.59
HC-SS-24	0.68	0.61	0.63	0.46	0.11	0.50
HC-SS-25	0.43	0.43	0.51	0.49	0.26	0.42
HC-SS-26	0.54	0.46	0.40	0.30	0.41	0.42
HC-SS-29	0.37	0.34	0.71	0.71	0.43	0.51
HC-SS-30	0.18	0.49	0.55	0.44	0.51	0.43
HC-SS-31	0.37	0.55	0.17	0.38	0.23	0.34
HC-SS-32	0.51	0.45	0.33	0.38	0.36	0.41
HC-SS-33	0.37	0.42	0.49	0.37	0.34	0.40
HC-SS-34	0.31	0.46	0.44	0.35	0.38	0.39
HC-SS-35	0.16	0.28	0.60	0.25	0.54	0.37
HC-SS-41	0.42	0.55	0.56	0.44	0.65	0.52
Whatcom Waterway Area in 1998 (*M. galloprovincialis*)						
Reference ID						
CR-10	0.67	0.70	0.64	0.83	0.68	0.70
CR-22	0.67	0.68	0.73	0.60	0.74	0.69
CR-23W	0.67	0.74	0.65	0.71	0.66	0.69
Negative Control	0.94	0.99	0.93	0.86	0.88	0.92
Sample ID						
AN-SS-36	0.58	0.63	0.62	0.55	0.67	0.61
AN-SS-37	0.63	0.68	0.62	0.60	0.65	0.63
AN-SC-70	0.77	0.70	0.78	0.66	0.73	0.73
AN-SC-71	0.66	0.72	0.63	0.71	0.70	0.68

	Replicate (mortality)					
	A	B	C	D	E	Mean
Whatcom Waterway Area in 1998 (continued)						
Sample ID – Non-purged						
AN-SS-36	0.15	0.05	0.25	0.05	0.05	0.11
AN-SS-37	0.10	0.10	0.05	0.05	0.05	0.07
AN-SC-70	0.00	0.10	0.05	0.05	0.10	0.06
AN-SC-71	0.05	0.10	0.15	0.10	0.05	0.09
AN-SC-72	0.20	0.10	0.00	0.05	0.00	0.07
AN-SC-73	0.00	0.20	0.05	0.05	0.10	0.08
AN-SC-77	0.10	0.00	0.05	0.05	0.10	0.06
AN-SC-78	0.00	0.00	0.00	0.00	0.15	0.03
AN-SC-80	0.00	0.00	0.10	0.00	0.00	0.02
AN-SC-81	0.00	0.15	0.05	0.30	0.15	0.13
AN-SC-82	0.05	0.00	0.05	0.00	0.05	0.03
AN-SC-84	0.10	0.00	0.00	0.05	0.10	0.05
Sample ID – Purged						
AN-SC-78	0.20	0.00	0.10	0.05	0.00	0.07
Boulevard Park/Starr Rock Area in 1998						
Reference ID – Same as Non-purged Reference for Whatcom Waterway Area in 1998						
Sample ID						
AN-SS-301	0.25	0.20	0.10	0.10	0.20	0.17
AN-SS-302	0.00	0.20	0.25	0.30	0.40	0.23
AN-SS-303	0.20	0.15	0.10	0.00	0.30	0.15
AN-SS-304	0.00	0.00	0.00	0.05	0.10	0.03
AN-SS-305	0.05	0.10	0.10	0.05	0.15	0.09
AN-SS-306	0.00	0.15	0.45	0.10	0.50	0.24

48-Hour Bivalve Larval (*M. edulis* or *M. galloprovincialis*) Sediment Bioassay

	Replicate (Normal Survival)					
	A	B	C	D	E	Mean
Whatcom Waterway Area in 1998 (*M. galloprovincialis*)						
Sample ID						
AN-SC-72	0.69	0.72	0.62	0.66	0.75	0.69
AN-SC-73	0.71	0.66	0.68	0.72	0.63	0.68
AN-SC-77	0.77	0.73	0.69	0.73	0.74	0.73
AN-SC-78	0.55	0.70	0.67	0.63	0.70	0.65
AN-SC-80	0.45	0.47	0.52	0.63	0.66	0.55
AN-SC-81	0.58	0.60	0.56	0.59	0.61	0.59
AN-SC-82	0.61	0.78	0.49	0.52	0.59	0.60
AN-SC-84	0.77	0.80	0.77	0.81	0.79	0.79
Boulevard Park/Starr Rock Area in 1998 (*M. galloprovincialis*)						
Reference ID - Same as Whatcom Waterway Area in 1998						
Sample ID						
AN-SS-301	0.71	0.76	0.74	0.69	0.77	0.73
AN-SS-302	0.73	0.63	0.71	0.67	0.70	0.69
AN-SS-303	0.69	0.72	0.66	0.75	0.73	0.71
AN-SS-304	0.60	0.53	0.57	0.63	0.60	0.59
AN-SS-305	0.66	0.71	0.68	0.65	0.72	0.68
AN-SS-306	0.59	0.65	0.67	0.63	0.67	0.64

20-day Juvenile Polychaete (*N. arenaceodentata*) Growth Sediment Bioassay

	Replicate (individual growth rate)					
	A	B	C	D	E	Mean
Whatcom Waterway Area in 1996						
Reference ID						
CR-02	0.53	0.57	0.68	0.56	0.49	0.56
CR-22	0.48	0.67	0.52	0.61	0.63	0.58
CR-24	0.41	0.58	0.33	0.53	0.53	0.48
Negative Control	0.50	0.47	0.40	0.62	0.67	0.53
Sample ID						
HC-SS-03	0.55	0.00	0.40	0.49	0.46	0.38
HC-SS-06	0.60	0.30	0.34	0.62	0.64	0.50
HC-SS-08	0.54	0.41	0.63	0.54	0.53	0.53
HC-SS-13	0.49	0.38	0.39	0.23	0.44	0.38
HC-SS-14	0.52	0.54	0.48	0.53	0.46	0.50
HC-SS-15	0.51	0.45	0.49	0.44	0.53	0.48
HC-SS-17	0.58	0.43	0.27	0.38	0.49	0.43
HC-SS-19	0.51	0.33	0.67	0.32	0.33	0.43
HC-SS-21	0.34	0.50	0.39	0.59	0.42	0.44
HC-SS-22	0.43	0.36	0.38	0.40	0.32	0.38
HC-SS-23	0.49	0.37	0.32	0.30	0.47	0.39
HC-SS-24	0.63	0.63	0.63	0.54	0.64	0.61
HC-SS-25	0.64	0.42	0.32	0.52	0.42	0.46
HC-SS-26	0.56	0.56	0.72	0.41	0.63	0.57
HC-SS-29	0.68	0.43	0.42	0.42	0.40	0.47
HC-SS-30	0.43	0.51	0.60	0.78	0.42	0.55
HC-SS-31	0.42	0.48	0.45	0.59	0.58	0.50
HC-SS-32	0.41	0.46	0.53	0.69	0.29	0.47
HC-SS-33	0.54	0.54	0.52	0.67	0.51	0.55
HC-SS-34	0.42	0.75	0.55	0.65	0.54	0.58
HC-SS-35	0.35	0.38	0.47	0.43	0.54	0.43
HC-SS-41	0.67	0.57	0.41	0.48	0.60	0.54
Whatcom Waterway Area in 1998						
Reference ID						
CR-10	0.44	0.44	0.50	0.17	0.62	0.43
CR-22	0.54	0.60	0.64	0.56	0.51	0.57
CR-23W	0.32	0.66	0.53	0.89	0.54	0.59
Negative Control	0.48	0.59	0.12	0.53	0.00[a]	0.43
Sample ID						
AN-SS-36	0.43	0.42	0.76	0.46	0.56	0.53
AN-SS-37	0.55	0.40	0.50	0.58	0.00[a]	0.51
AN-SC-70	0.41	0.32	0.39	0.79	0.49	0.48
AN-SC-71	0.58	0.41	0.42	0.52	0.46	0.48

20-day Juvenile Polychaete (*N. arenaceodentata*) Growth Sediment Bioassay

	Replicate (individual growth rate)					
	A	B	C	D	E	Mean
Whatcom Waterway Area in 1998						
Sample ID						
AN-SC-72	0.63	0.44	0.67	0.38	0.21	0.47
AN-SC-73	0.41	0.28	0.82	0.28	0.51	0.46
AN-SC-77	0.55	0.62	0.50	0.68	0.50	0.57
AN-SC-78	0.54	0.42	0.99	0.42	0.60	0.59
AN-SC-80	0.55	0.45	0.43	0.37	0.64	0.48
AN-SC-81	0.29	0.47	0.60	0.54	0.24	0.43
AN-SC-82	0.45	0.59	0.42	0.43	0.57	0.49
AN-SC-84	0.45	0.39	0.59	0.39	0.25	0.41
Boulevard Park/Starr Rock Area in 1998						
Reference ID - Same as Whatcom Waterway Area in 1998						
Sample ID						
AN-SS-301	0.87	0.49	0.51	1.01	0.48	0.67
AN-SS-302	0.39	0.75	0.33	0.23	0.73	0.49
AN-SS-303	0.74	0.59	0.47	0.47	0.31	0.52
AN-SS-304	0.43	0.58	0.82	0.51	0.31	0.53
AN-SS-305	0.50	0.61	0.74	0.57	0.56	0.60
AN-SS-306	0.67	0.59	0.45	0.54	0.72	0.59

Summary of Control and Reference Site Bioassay Performance

	Eohaustorius estuarius Mean Percent Mortality[b]	*Mytilus* spp.[a] Mean Percent Normal Survival[b] (Seawater Normalized)	*Neanthes arenaceodentata* Mean Individual Growth (MIG) Rate in mg/ind-day (dry weight)[b]
Whatcom Waterway Area in 1996			
Negative Control Performance Criteria	< 10% mortality	> 70% normal survival	< 10% mortality MIG ³ 0.72 mg/ind/day[c]
Negative Control	0 ± 0	74 ± 5	0.53 ± 0.11
Reference Sediment Performance Criteria	< 25 % mortality	>0.65*(control) = 48.1	> 0.8*(MIG control) = 0.42
HC-CR-02	4 ± 4	87 ± 4	0.56 ± 0.07
HC-CR-22	9 ± 9	75 ± 10	0.58 ± 0.08
HC-CR-24	6 ± 8	76 ± 9	0.48 ± 0.10
Whatcom Waterway Area and Boulevard Park/Starr Rock Area in 1998			
Negative Control Performance Criteria	< 10% mortality	> 70% normal survival	< 10% mortality 6.7% mortality[d]
Negative Control	2 (non-purged) 2 (purged)	92 ± 5	0.43 ± 0.16
Reference Sediment Performance Criteria	< 25 % mortality	>0.65*(control)	> 0.8*(MIG control)
AN-CR-10	9 ± 4 (non-purged) 4 (purged)	70 ± 8	0.43 ± 0.16
AN-CR-22	3 ± 5 (non-purged) 0 (purged)	69 ± 6	0.57 ± 0.05
AN-CR-23W	4 ± 2 (non-purged) 0 (purged)	69 ± 4	0.59 ± 0.21

a: *Mytilus edulis* was used in the 1996 Whatcom Waterway Area sediment toxicity testing. *M. galloprovincialis* was used in the 1998 Whatcom Waterway Area and Boulevard Park/Starr Rock Area sediment toxicity testing.

b: Mean and standard deviation for five replicate samples.

c: The performance criteria of 0.72 mg/ind/day has been established as a target. Control growth rates below 0.38 mg/ind/day will be considered a QA/QC failure. The lower limit reflects adjustments to the PSDDA/SMS control performance guideline accounting for the observed variability exhibited by the laboratories performing the test (0.72 - 0.34 = 0.38), where the lower limit of observed control growth (≥ 0.38 mg/ind/day) expresses one standard deviation of the mean (PSDDA, 1996).

d: Two of the *N. arenaceodentata* control replicates became anoxic resulting in complete mortality in one and 80% mortality in the other. The data presented are calculated from the remaining three replicates.

Summary of the Results of the *Eohaustorius estuarius* Bioassays

Sheet 1 of 2

	Reference Site[a]	Mean Percent Mortality[b]	Statistical Significance[c]		SQS	MCUL
			Significant	Test used	> 25%	> reference + 30%
Whatcom Waterway Area in 1996						
Sample ID						
HC-SS-03	HC-CR-02	14 ± 9	Yes	t-Test	No Hit (< 25%)	No Hit (< 34%)
HC-SS-06	HC-CR-02	6 ± 4	No	M-W	No Hit (< 25%)	No Hit (< 34%)
HC-SS-08	HC-CR-02	13 ± 16	No	M-W	No Hit (< 25%)	No Hit (< 34%)
HC-SS-13	HC-CR-02	5 ± 4	No	M-W	No Hit (< 25%)	No Hit (< 34%)
HC-SS-14	HC-CR-02	1 ± 2	No	M-W	No Hit (< 25%)	No Hit (< 34%)
HC-SS-15	HC-CR-02	2 ± 4	No	M-W	No Hit (< 25%)	No Hit (< 34%)
HC-SS-17	HC-CR-02	11 ± 4	Yes	t-Test	No Hit (< 25%)	No Hit (< 34%)
HC-SS-19	HC-CR-02	1 ± 2	No	M-W	No Hit (< 25%)	No Hit (< 34%)
HC-SS-21	HC-CR-02	6 ± 4	No	M-W	No Hit (< 25%)	No Hit (< 34%)
HC-SS-22	HC-CR-02	8 ± 8	No	M-W	No Hit (< 25%)	No Hit (< 34%)
HC-SS-23	HC-CR-02	6 ± 5	No	t-Test	No Hit (< 25%)	No Hit (< 34%)
HC-SS-24	HC-CR-02	8 ± 6	No	M-W	No Hit (< 25%)	No Hit (< 34%)
HC-SS-25	HC-CR-02	1 ± 2	No	M-W	No Hit (< 25%)	No Hit (< 34%)
HC-SS-26	HC-CR-22	5 ± 0	No	t-Test	No Hit (< 25%)	No Hit (< 39%)
HC-SS-29	HC-CR-02	10 ± 5	Yes	t-Test	No Hit (< 25%)	No Hit (< 34%)
HC-SS-30	HC-CR-02	4 ± 2	No	M-W	No Hit (< 25%)	No Hit (< 34%)
HC-SS-31	HC-CR-02	10 ± 9	No	M-W	No Hit (< 25%)	No Hit (< 34%)
HC-SS-32	HC-CR-22	9 ± 4	No	t-Test	No Hit (< 25%)	No Hit (< 39%)
HC-SS-33	HC-CR-22	13 ± 7	No	t-Test	No Hit (< 25%)	No Hit (< 39%)
HC-SS-34	HC-CR-22	12 ± 4	No	t-Test	No Hit (< 25%)	No Hit (< 39%)
HC-SS-35	HC-CR-02	6 ± 4	No	M-W	No Hit (< 25%)	No Hit (< 34%)
HC-SS-41	HC-CR-22	1 ± 2	No	M-W	No Hit (< 25%)	No Hit (< 39%)

(cont.) - Summary of the Results of the *Eohaustorius estuarius* Bioassays

Sheet 2 of 2

	Reference Site[a]	Mean Percent Mortality[b]	Statistical Significance[c]		SQS	MCUL
			Significant	Test used	> 25%	> reference + 30%
Whatcom Waterway Area in 1998						
Sample ID						
AN-SS-36	AN-CR-22	89 ± 9	No		No Hit (< 25%)	No Hit (< 33%)
AN-SS-37	AN-CR-23W	93 ± 3	No		No Hit (< 25%)	No Hit (< 34%)
AN-SC-70	AN-CR-10	94 ± 4	No		No Hit (< 25%)	No Hit (< 39%)
AN-SC-71	AN-CR-10	91 ± 4	No		No Hit (< 25%)	No Hit (< 39%)
AN-SC-72	AN-CR-10	93 ± 8	No		No Hit (< 25%)	No Hit (< 39%)
AN-SC-73	AN-CR-10	92 ± 8	No		No Hit (< 25%)	No Hit (< 39%)
AN-SC-77	AN-CR-10	94 ± 4	No		No Hit (< 25%)	No Hit (< 39%)
AN-SC-78	AN-CR-10	97 ± 7	No		No Hit (< 25%)	No Hit (< 39%)
AN-SC-78 (purged)	AN-CR-10	93	No		No Hit (< 25%)	No Hit (< 34%)
AN-SC-80	AN-CR-10	98 ± 5	No		No Hit (< 25%)	No Hit (< 39%)
AN-SC-81	AN-CR-10	87 ± 12	No		No Hit (< 25%)	No Hit (< 39%)
AN-SC-82	AN-CR-10	97 ± 3	No		No Hit (< 25%)	No Hit (< 39%)
AN-SC-84	AN-CR-10	95 ± 5	No		No Hit (< 25%)	No Hit (< 39%)
Boulevard Park/Starr Rock Area in 1998						
Sample ID						
AN-SS-301	AN-CR-23W	17 ± 7	Yes		No Hit (< 25%)	No Hit (< 34%)
AN-SS-302	AN-CR-10	23 ± 15	No		No Hit (< 25%)	No Hit (< 39%)
AN-SS-303	AN-CR-10	15 ± 11	No		No Hit (< 25%)	No Hit (< 39%)
AN-SS-304	AN-CR-22	3 ± 5	No		No Hit (< 25%)	No Hit (< 33%)
AN-SS-305	AN-CR-23W	9 ± 4	Yes		No Hit (< 25%)	No Hit (< 34%)
AN-SS-306	AN-CR-10	24 ± 22	No		No Hit (< 25%)	No Hit (< 39%)

NOTE: SQS - Sediment Quality Standard; MCUL - Minimum Cleanup Level

a: Corresponding reference station with similar grain size; b: Mean and standard deviation for five replicate samples.

c: Statistically significant increases in percent mortality compared to reference as determined by a t-Test (normally distributed data); or Mann-Whitney Test (M-W; nonparametric data) at the a = 0.05 level.

Summary of the Results of the *Mytilus* spp. Bioassays (Seawater Normalized)

Sheet 1 of 2

	Reference Site[a]	Mean Percent Normal survival[b]	Statistical Significance[c]		SQS	MCUL
			Significant	Test used	<85%*reference	<70%*reference
Whatcom Waterway Area in 1996 (*Mytilus edulis*)						
Sample ID						
HC-SS-03	HC-CR-02	81 ± 4	Yes	t-Test	No Hit (> 74)	No Hit (> 61)
HC-SS-06	HC-CR-02	85 ± 8	No	M-W	No Hit (> 74)	No Hit (> 61)
HC-SS-08	HC-CR-02	47 ± 31	Yes	t-Test	Hit (< 74)	Hit (< 61)
HC-SS-13	HC-CR-02	75 ± 11	Yes	t-Test	No Hit (> 74)	No Hit (> 61)
HC-SS-14	HC-CR-02	77 ± 6	Yes	t-Test	No Hit (> 74)	No Hit (> 61)
HC-SS-15	HC-CR-02	85 ± 11	No	t-Test	No Hit (> 74)	No Hit (> 61)
HC-SS-17	HC-CR-02	99 ± 11	No	t-Test	No Hit (> 74)	No Hit (> 61)
HC-SS-19	HC-CR-02	81 ± 8	Yes	t-Test	No Hit (> 74)	No Hit (> 61)
HC-SS-21	HC-CR-02	86 ± 6	No	t-Test	No Hit (> 74)	No Hit (> 61)
HC-SS-22	HC-CR-02	96 ± 17	No	t-Test	No Hit (> 74)	No Hit (> 61)
HC-SS-23	HC-CR-02	79 ± 12	No	t-Test	No Hit (> 74)	No Hit (> 61)
HC-SS-24	HC-CR-02	67 ± 31	No	M-W	No Hit (< 74)	No Hit (> 61)
HC-SS-25	HC-CR-02	57 ± 13	Yes	M-W	Hit (< 74)	Hit (< 61)
HC-SS-26	HC-CR-22	57 ± 11	Yes	M-W	Hit (< 64)	No Hit (>53)
HC-SS-29	HC-CR-02	69 ± 25	Yes	t-Test	Hit (< 74)	No Hit (> 61)
HC-SS-30	HC-CR-02	58 ± 19	Yes	M-W	Hit (< 74)	Hit (< 61)
HC-SS-31	HC-CR-02	46 ± 20	Yes	t-Test	Hit (< 74)	Hit (< 61)
HC-SS-32	HC-CR-22	55 ± 10	Yes	t-Test	Hit (< 64)	No Hit (>53)
HC-SS-33	HC-CR-22	53 ± 8	Yes	t-Test	Hit (< 64)	No Hit (>53)
HC-SS-34	HC-CR-22	52 ± 9	Yes	t-Test	Hit (< 64)	Hit (< 53)
HC-SS-35	HC-CR-02	49 ± 26	Yes	t-Test	Hit (< 74)	Hit (< 61)
HC-SS-41	HC-CR-22	70 ± 13	No	t-Test	No Hit (> 64)	No Hit (>53)

(continued) - Summary of the Results of the *Mytilus* spp. Bioassays (Seawater Normalized)

Sheet 2 of 2

	Reference Site[a]	Mean Percent Normal survival[b]	Statistical Significance[c]		SQS	MCUL
			Significant	Test used	<85%*reference	<70%*reference
Whatcom Waterway Area in 1998 (*Mytilus galloprovincialis*)						
Sample ID						
AN-SS-36	AN-CR-22	61 ± 4	Yes		No Hit (< 59)	No Hit (< 48)
AN-SS-37	AN-CR-23W	63 ± 3	Yes		No Hit (< 59)	No Hit (< 48)
AN-SC-70	AN-CR-10	73 ± 5	No		No Hit (< 60)	No Hit (< 49)
AN-SC-71	AN-CR-10	68 ± 4	No		No Hit (< 60)	No Hit (< 49)
AN-SC-72	AN-CR-10	69 ± 5	No		No Hit (< 60)	No Hit (< 49)
AN-SC-73	AN-CR-10	68 ± 4	No		No Hit (< 60)	No Hit (< 49)
AN-SC-77	AN-CR-10	73 ± 3	No		No Hit (< 60)	No Hit (< 49)
AN-SC-78	AN-CR-10	65 ± 6	No		No Hit (< 60)	No Hit (< 49)
AN-SC-80	AN-CR-10	55 ± 9	Yes		Hit (< 60)	No Hit (< 49)
AN-SC-81	AN-CR-10	59 ± 2	Yes		Hit (< 60)	No Hit (< 49)
AN-SC-82	AN-CR-10	60 ± 11	Yes		No Hit (< 60)	No Hit (< 49)
AN-SC-84	AN-CR-10	79 ± 2	No		No Hit (< 60)	No Hit (< 49)
Boulevard Park/Starr Rock Area in 1998 (*Mytilus galloprovincialis*)						
Sample ID						
AN-SS-301	AN-CR-23W	73 ± 3	No		No Hit (< 59)	No Hit (< 48)
AN-SS-302	AN-CR-10	69 ± 4	No		No Hit (< 60)	No Hit (< 49)
AN-SS-303	AN-CR-10	71 ± 3	No		No Hit (< 60)	No Hit (< 49)
AN-SS-304	AN-CR-22	59 ± 3	Yes		No Hit (< 59)	No Hit (< 48)
AN-SS-305	AN-CR-23W	68 ± 3	No		No Hit (< 59)	No Hit (< 48)
AN-SS-306	AN-CR-10	64 ± 3	Yes		No Hit (< 60)	No Hit (< 49)

NOTE: SQS - Sediment Quality Standards; MCUL - Minimum Cleanup Level

a: Corresponding reference station with similar grain size.

b: Mean and standard deviation for five replicate samples.

c: Statistically significant decreases in percent normal survival compared to reference as determined by a t-test (normally distributed data) or Mann-Whitney Test (M-W: nonparametric data) at the a = 0.05 level.

Summary of the Results of the *Neanthes arenaceodentata* Bioassays

Sheet 1 of 2

	Reference Site[a]	Mean Individual Growth Rate in mg/ind-day (dry wt)[b]	Statistical Significance[c]		SQS	MCUL
			Significant	Test used	<70%*reference	<50%*reference
Whatcom Waterway Area in 1996						
Sample ID						
HC-SS-03	HC-CR-02	0.38 ± 0.22	Yes	M-W	Hit (<0.39)	No Hit (>0.28)
HC-SS-06	HC-CR-02	0.50 ± 0.17	No	M-W	No Hit (>0.39)	No Hit (>0.28)
HC-SS-08	HC-CR-02	0.53 ± 0.08	No	M-W	No Hit (>0.39)	No Hit (>0.28)
HC-SS-13	HC-CR-02	0.38 ± 0.10	Yes	M-W	Hit (<0.39)	No Hit (>0.28)
HC-SS-14	HC-CR-02	0.50 ± 0.03	Yes	M-W	No Hit (>0.39)	No Hit (>0.28)
HC-SS-15	HC-CR-02	0.48 ± 0.04	Yes	M-W	No Hit (>0.39)	No Hit (>0.28)
HC-SS-17	HC-CR-02	0.43 ± 0.11	Yes	M-W	No Hit (>0.39)	No Hit (>0.28)
HC-SS-19	HC-CR-02	0.43 ± 0.15	No	M-W	No Hit (>0.39)	No Hit (>0.28)
HC-SS-21	HC-CR-02	0.44 ± 0.10	No	M-W	No Hit (>0.39)	No Hit (>0.28)
HC-SS-22	HC-CR-02	0.38 ± 0.04	Yes	M-W	Hit (<0.39)	No Hit (>0.28)
HC-SS-23	HC-CR-02	0.39 ± 0.09	Yes	M-W	Hit (<0.39)	No Hit (>0.28)
HC-SS-24	HC-CR-02	0.61 ± 0.04	No	M-W	No Hit (>0.39)	No Hit (>0.28)
HC-SS-25	HC-CR-02	0.46 ± 0.12	No	M-W	No Hit (>0.39)	No Hit (>0.28)
HC-SS-26	HC-CR-02	0.57 ± 0.12	No	M-W	No Hit (>0.41)	No Hit (>0.29)
HC-SS-29	HC-CR-02	0.47 ± 0.12	No	M-W	No Hit (>0.39)	No Hit (>0.28)
HC-SS-30	HC-CR-02	0.55 ± 0.15	No	M-W	No Hit (>0.39)	No Hit (>0.28)
HC-SS-31	HC-CR-02	0.50 ± 0.08	No	M-W	No Hit (>0.39)	No Hit (>0.28)
HC-SS-32	HC-CR-02	0.47 ± 0.15	No	t-Test	No Hit (>0.41)	No Hit (>0.29)
HC-SS-33	HC-CR-02	0.55 ± 0.06	No	M-W	No Hit (>0.41)	No Hit (>0.29)
HC-SS-34	HC-CR-02	0.58 ± 0.12	No	t-Test	No Hit (>0.41)	No Hit (>0.29)
HC-SS-35	HC-CR-02	0.43 ± 0.08	Yes	M-W	No Hit (>0.39)	No Hit (>0.28)
HC-SS-41	HC-CR-02	0.54 ± 0.10	No	t-Test	No Hit (>0.41)	No Hit (>0.29)

(cont.)-Summary of the Results of the *Neanthes arenaceodentata* Bioassays

Sheet 2 of 2

	Reference Site[a]	Mean Individual Growth Rate in mg/ind-day (dry wt)[b]	Statistical Significance[c]		SQS	MCUL
			Significant	Test used	<70%*reference	<50%*reference
Whatcom Waterway Area in 1998						
Sample ID						
AN-SS-36	AN-CR-22	0.53 ± 0.14	No		No Hit (>0.40)	No Hit (>0.29)
AN-SS-37	AN-CR-23W	0.51 ± 0.08	No		No Hit (>0.41)	No Hit (>0.30)
AN-SC-70	AN-CR-10	0.48 ± 0.18	No		No Hit (>0.30)	No Hit (>0.22)
AN-SC-71	AN-CR-10	0.48 ± 0.07	No		No Hit (>0.30)	No Hit (>0.22)
AN-SC-72	AN-CR-10	0.47 ± 0.19	No		No Hit (>0.30)	No Hit (>0.22)
AN-SC-73	AN-CR-10	0.46 ± 0.22	No		No Hit (>0.30)	No Hit (>0.22)
AN-SC-77	AN-CR-10	0.57 ± 0.08	No		No Hit (>0.30)	No Hit (>0.22)
AN-SC-78	AN-CR-10	0.59 ± 0.24	No		No Hit (>0.30)	No Hit (>0.22)
AN-SC-80	AN-CR-10	0.48 ± 0.11	No		No Hit (>0.30)	No Hit (>0.22)
AN-SC-81	AN-CR-10	0.43 ± 0.16	No		No Hit (>0.30)	No Hit (>0.22)
AN-SC-82	AN-CR-10	0.49 ± 0.08	No		No Hit (>0.30)	No Hit (>0.22)
AN-SC-84	AN-CR-10	0.41 ± 0.12	No		No Hit (>0.30)	No Hit (>0.22)
Boulevard Park/Starr Rock Area in 1998						
Sample ID						
AN-SS-301	AN-CR-23W	0.67 ± 0.25	No		No Hit (>0.41)	No Hit (>0.30)
AN-SS-302	AN-CR-10	0.49 ± 0.24	No		No Hit (>0.30)	No Hit (>0.22)
AN-SS-303	AN-CR-10	0.52 ± 0.16	No		No Hit (>0.30)	No Hit (>0.22)
AN-SS-304	AN-CR-22	0.53 ± 0.19	No		No Hit (>0.40)	No Hit (>0.29)
AN-SS-305	AN-CR-23W	0.60 ± 0.09	No		No Hit (>0.41)	No Hit (>0.30)
AN-SS-306	AN-CR-10	0.60 ± 0.11	No		No Hit (>0.30)	No Hit (>0.22)

NOTE: SQS - Sediment Quality Standards MCUL - Minimum Cleanup Level

a: Corresponding reference station with similar grain size.

b: Mean and standard deviation for five replicate samples.

c: Statistically significant decreases in growth relative to reference as determined by a t-test (normally distributed data) or Mann-Whitney Test (M-W: nonparametric data) at the a = 0.05 level.

Comparison of Bioassay Results and Sediment Biological Effects Interpretive Criteria

Sheet 1 of 2

	E. estuarius		*M.* spp		*N. arenaceodentata*		SQS Biological Criteria	MCUL Biological Criteria
	SQS	MCUL	SQS	MCUL	SQS	MCUL		
Whatcom Waterway Area in 1996 (*M. edulis*)								
Sample ID								
HC-SS-03	no hit	no hit	no hit	no hit	hit	no hit	Fail	Pass
HC-SS-06	no hit	no hit	no hit	no hit	no hit	no hit	Pass	Pass
HC-SS-08	no hit	no hit	hit	hit	no hit	no hit	Fail	Fail
HC-SS-13	no hit	no hit	no hit	no hit	hit	no hit	Fail	Pass
HC-SS-14	no hit	no hit	no hit	no hit	no hit	no hit	Pass	Pass
HC-SS-15	no hit	no hit	no hit	no hit	no hit	no hit	Pass	Pass
HC-SS-17	no hit	no hit	no hit	no hit	no hit	no hit	Pass	Pass
HC-SS-19	no hit	no hit	no hit	no hit	no hit	no hit	Pass	Pass
HC-SS-21	no hit	no hit	no hit	no hit	no hit	no hit	Pass	Pass
HC-SS-22	no hit	no hit	no hit	no hit	hit	no hit	Fail	Pass
HC-SS-23	no hit	no hit	no hit	no hit	hit	no hit	Fail	Pass
HC-SS-24	no hit	no hit	no hit	no hit	no hit	no hit	Pass	Pass
HC-SS-25	no hit	no hit	hit	hit	no hit	no hit	Fail	Fail
HC-SS-26	no hit	no hit	hit	no hit	no hit	no hit	Fail	Pass
HC-SS-29	no hit	no hit	hit	no hit	no hit	no hit	Fail	Pass
HC-SS-30	no hit	no hit	hit	hit	no hit	no hit	Fail	Fail
HC-SS-31	no hit	no hit	hit	hit	no hit	no hit	Fail	Fail
HC-SS-32	no hit	no hit	hit	no hit	no hit	no hit	Fail	Pass
HC-SS-33	no hit	no hit	hit	no hit	no hit	no hit	Fail	Pass
HC-SS-34	no hit	no hit	hit	hit	no hit	no hit	Fail	Fail
HC-SS-35	no hit	no hit	hit	hit	no hit	no hit	Fail	Fail
HC-SS-41	no hit	no hit	no hit	no hit	no hit	no hit	Pass	Pass

(continued) - Comparison of Bioassay Results and Sediment Biological Effects Interpretive Criteria
Sheet 2 of 2

	E. estuarius		*M.* spp		*N. arenaceodentata*		SQS Biological Criteria	MCUL Biological Criteria
	SQS	MCUL	SQS	MCUL	SQS	MCUL		
Whatcom Waterway Area in 1998 (*M. galloprovincialis*)								
Sample ID								
AN-SS-36	no hit	no hit	no hit	no hit	no hit	no hit	Pass	Pass
AN-SS-37	no hit	no hit	no hit	no hit	no hit	no hit	Pass	Pass
AN-SC-70	no hit	no hit	no hit	no hit	no hit	no hit	Pass	Pass
AN-SC-71	no hit	no hit	no hit	no hit	no hit	no hit	Pass	Pass
AN-SC-72	no hit	no hit	no hit	no hit	no hit	no hit	Pass	Pass
AN-SC-73	no hit	no hit	no hit	no hit	no hit	no hit	Pass	Pass
AN-SC-77	no hit	no hit	no hit	no hit	no hit	no hit	Pass	Pass
AN-SC-78	no hit	no hit	no hit	no hit	no hit	no hit	Pass	Pass
AN-SC-80	no hit	no hit	hit	no hit	no hit	no hit	Fail	Pass
AN-SC-81	no hit	no hit	hit	no hit	no hit	no hit	Fail	Pass
AN-SC-82	no hit	no hit	no hit	no hit	no hit	no hit	Pass	Pass
AN-SC-84	no hit	no hit	no hit	no hit	no hit	no hit	Pass	Pass
Boulevard Park/Starr Rock Area in 1998 (*M. galloprovincialis*)								
Sample ID								
AN-SS-301	no hit	no hit	no hit	no hit	no hit	no hit	Pass	Pass
AN-SS-302	no hit	no hit	no hit	no hit	no hit	no hit	Pass	Pass
AN-SS-303	no hit	no hit	no hit	no hit	no hit	no hit	Pass	Pass
AN-SS-304	no hit	no hit	no hit	no hit	no hit	no hit	Pass	Pass
AN-SS-305	no hit	no hit	no hit	no hit	no hit	no hit	Pass	Pass
AN-SS-306	no hit	no hit	no hit	no hit	no hit	no hit	Pass	Pass

NOTE: SQS - Sediment Quality Standards MCUL - Minimum Cleanup Level