

**Table 4
Port of Vancouver - Analytical Data**

Analyte	Screening Levels									Analytical results													
	Sediment Mgt. Standards ¹	Dredged Material Evaluation Framework		Model Toxic Control Act		NOAA SQUIRT ²	WA Ecology Freshwater SQS		MacDonald ³	POV-0102	POV-0308	POV-0409	POV-0510	POV-0611	POV-0712	POV-1318							
		SQS	SL	ML	MTCA1	MTCA2	Freshwater TEL	2003 LAET	2003 2LAET	Consensus-based PEC	10/13/06	10/12/06	10/12/06	10/12/06	10/13/06	10/13/06	10/18/06						
Conventional Parameters																							
Ammonia (mg/kg)	--	--	--	--	--	--	--	--	--	16		44		23		50		16		18		18	
Total Solids (%)	--	--	--	--	--	--	--	--	--	87		88		85		84		88		78		78	
Total Volatile Solids (%)	--	--	--	--	--	--	--	--	--	0.74	J	0.93		0.84		1.0		0.62	J	0.66	J	0.67	J
Total Organic Carbon (%) ⁴	--	--	--	--	--	--	9.82	--	--	0.0502	U	0.0503	U	0.097	J	0.067	J	0.0503	U	0.0502	U	0.344	J
Total Sulfides (mg/kg)	--	--	--	--	--	--	702	941	--	6.0	UJ	5.9	UJ	6.2	UJ	6.1	UJ	5.9	UJ	6.3	UJ	6.1	UJ
Metals (mg/kg)																							
Antimony	--	150	200	--	--	--	0.6	1.9	--	0.069	JB M	0.09	M	0.085	M	0.081	M	0.038	JB M	0.074	JB M	0.084	M
Arsenic	57	57	700	20	20	5.9	31.4	50.9	33	1.3		1.1		0.89		1		1		1.1		0.98	
Cadmium	5.1	5.1	14	2	25	0.596	2.39	2.9	4.98	0.0039	U	0.0029	U	0.0043	U	0.0033	U	0.0042	U	0.0044	U	0.0044	U
Chromium	260	--	--	19	42	37.3	95	133	111	8.7		9.1		8.2		8.3		8.5		10		7.4	
Copper	390	390	1,300	--	100	35.7	619	829	149	8.1		7.1		7.3		6.9		8.6		8.7		6.8	
Lead	450	450	1,200	1,000	220	35.0	335	431	128	1.8		2		1.5		1.6		1.7		2		1.5	
Mercury	0.41	0.41	2.3	2	9	0.174	0.8	3.04	1.06	0.0078	U	0.0087	U	0.0078	U	0.042		0.02		0.019	M	0.0071	U
Nickel	--	140	370	--	1000	18.0	53.1	113	48.6	9.8		9.1		7.8		9.1		9.3		11		7.4	
Silver	6.1	6.1	8.4	--	--	--	0.545	3.5	--	0.04	M	0.032	M	0.041	M	0.034	M	0.034	M	0.038	M	0.038	M
Zinc	410	410	3,800	--	270	123.1	683	1080	459	24		26		20		22		24		29		19	
Organotins (ug/kg, bulk)																							
Dibutyltin	--	--	--	--	--	--	--	--	--	0.13	UJ	0.13	UJ	0.14	UJ	0.14	UJ	0.13	UJ	0.15	UJ	0.14	UJ
Monobutyltin	--	--	--	--	--	--	--	--	--	0.08	UJ	0.082	UJ	0.084	UJ	0.087	UJ	0.081	UJ	0.089	UJ	0.088	UJ
Tetra-n-butyltin	--	--	--	--	--	--	--	--	--	0.4	UJ	0.41	UJ	0.43	UJ	0.44	UJ	0.41	UJ	0.45	UJ	0.45	UJ
Tributyltin (bulk)	--	75 (SEF)	--	--	--	--	--	--	--	0.43	UJ	0.44	UJ	0.45	UJ	0.47	UJ	0.43	UJ	0.47	UJ	0.47	UJ
Polynuclear Aromatic Hydrocarbons (ug/kg)																							
2-Methylnaphthalene	38	670	1,900	--	--	--	469	555	--	3.5	U	3.3	U	3.4	U	3.5	U	3.3	U	3.8	U	3.7	U
Acenaphthene	16	500	2,000	--	--	--	1060	1320	--	6.4	U	6.1	U	6.3	U	6.4	U	6.1	U	7	U	6.8	U
Acenaphthylene	66	560	1,300	--	--	--	470	640	--	2.6	U	2.5	U	2.6	U	2.6	U	2.5	U	2.8	U	2.8	U
Anthracene	220	960	13,000	--	--	--	1230	1580	845	4.9	U	4.6	U	4.8	U	4.8	U	4.6	U	5.3	U	5.2	U
Fluorene	23	540	3,600	--	--	--	1070	3850	536	2.9	U	2.8	U	2.9	U	2.9	U	2.8	U	3.2	U	3.1	U
Naphthalene	99	2,100	2,400	5,000	--	--	529	1310	561	6.4	U	6.1	U	6.3	U	6.4	U	6.1	U	7	U	6.8	U
Phenanthrene	100	1,500	21,000	--	30,000	41.9	6,100	7,570	1170	4.5	U	4.3	U	4.4	U	4.5	U	4.3	U	4.9	U	4.8	U
Total LPAH	370	5,200	29,000	--	--	--	6590	9200	--														
Benzo[a]anthracene	110	1,300	5,100	--	--	31.7	4260	5800	1050	7.3	U	6.9	U	7.2	U	7.3	U	6.9	U	8	U	7.8	U
Benzo[a]pyrene	99	1,600	3,600	2,000	--	31.9	3300	4810	1450	9.6	U	9.1	U	9.4	U	9.5	U	9.1	U	10	U	10	U
Benzo[g,h,i]perylene	31	670	3,200	--	--	--	4020	5200	--	8.2	U	7.8	U	8.1	U	8.2	U	7.8	U	9	U	8.8	U
Benzo[fluoranthene (b + k)	230	3,200	9,900	--	--	--	11000	13800	--	11	U	11	U	11	U	11	U	11	U	12	U	12	U
Chrysene	110	1,400	21,000	--	--	57.1	5940	6400	1290	8.5	U	8	U	8.3	U	8.4	U	8	U	9.3	U	9	U
Dibenzo(a,h)anthracene	12	230	1,900	--	--	--	800	839	--	14	U	13	U	13	U	13	U	13	U	15	U	14	U
Fluoranthene	160	1,700	30,000	--	--	111	11100	15000	2230	3.5	U	3.3	U	3.4	U	3.5	U	3.3	U	3.8	U	3.7	U
Indeno[1,2,3-cd]pyrene	34	600	16,000	--	--	--	4120	5300	--	14	U	13	U	13	U	13	U	13	U	15	U	14	U
Pyrene	1,000	2,600	16,000	--	--	53	8790	16000	1520	3	U	2.9	U	3	U	3	U	2.9	U	3.3	U	3.2	U
Total HPAH	960	12,000	69,000	--	--	--	31640	54800	--														
Chlorinated Hydrocarbons (ug/kg)																							
1,2,4-Trichlorobenzene	0.81	31	64	--	--	--	--	--	--	11	U	11	U	11	U	11	U	11	U	12	U	12	U
1,2-Dichlorobenzene	2.3	35	110	--	--	--	--	--	--	19	U	18	U	19	U	19	U	18	U	21	U	20	U
1,4-Dichlorobenzene	3.1	110	120	--	--	--	--	--	--	8.6	U	8.1	U	8.4	U	8.5	U	8.1	U	9.4	U	9.1	U
Hexachlorobenzene	0.38	22	230	--	--	--	--	--	--	0.19	U	0.19	U	0.2	U	0.21	U	0.19	U	0.22	U	0.17	U

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	Sediment Mgt. Standards ¹	Dredged Material Evaluation Framework		Model Toxic Control Act		NOAA SQuiRT ²	WA Ecology Freshwater SQS		MacDonald ³	POV-0102	POV-0308	POV-0409	POV-0510	POV-0611	POV-0712	POV-1318							
		SQS	SL	ML	MTCA1	MTCA2	Freshwater TEL	2003 LAET	2003 2LAET	Consensus-based PEC	10/13/06	10/12/06	10/12/06	10/12/06	10/13/06	10/13/06	10/18/06						
Phthalates (ug/kg)																							
Bis(2-ethylhexyl) phthalate	47	8,300	--	--	--	--	2520	6380	--	270	U	260	U	270	U	270	U	260	U	300	U	290	U
Butyl benzyl phthalate	4.9	970	--	--	--	--	260	366	--	33	U	31	U	32	U	33	U	31	U	36	U	35	U
Diethyl phthalate	61	1,200	--	--	--	--	--	--	--	8.1	UJ	7.7	U	8	U	8.1	U	7.7	UJ	8.9	UJ	8.6	U
Dimethyl phthalate	53	1,400	--	--	--	--	311	436	--	8.7	U	8.2	U	8.6	U	8.6	U	8.2	U	9.5	U	9.2	U
Di-n-butyl phthalate	220	5,100	--	--	200,000	--	103	--	--	15	U	37	JB M	14	U	15	U	14	U	16	U	16	U
Di-n-octyl phthalate	58	6,200	--	--	--	--	11	201	--	37	U	35	U	37	U	37	U	35	U	41	U	40	U
Phenols (ug/kg)																							
2,4-Dimethylphenol	29	29	210	--	--	--	--	--	--	21	U	20	U	21	U	21	U	20	U	23	U	23	U
2-Methylphenol	63	63	77	--	--	--	--	--	--	32	U	30	U	31	U	31	U	30	U	35	U	34	U
3 & 4 Methylphenol	670	670	3,600	--	--	--	760	2360	--	60	U	56	U	59	U	59	U	56	U	65	U	64	U
Pentachlorophenol	360	400	690	--	11,000	--	--	--	--	35	U	33	U	34	U	35	U	33	U	38	U	37	U
Phenol	420	420	1,200	--	--	--	--	--	--	30	U	29	U	30	U	30	U	29	U	33	U	32	U
Miscellaneous Extractables (ug/kg)																							
Benzoic acid	650	650	760	--	--	--	2910	3790	--	940	U	880	U	920	U	930	U	880	U	1000	U	1000	U
Benzyl alcohol	57	57	870	--	--	--	--	--	--	34	U	32	U	33	U	34	U	32	U	37	U	36	U
Dibenzofuran	15	540	1,700	--	--	--	399	443	--	19	U	18	U	19	U	19	U	18	U	21	U	20	U
Hexachlorobutadiene	3.9	29	270	--	--	--	--	--	--	0.11	U	0.12	U	0.12	U	0.13	U	0.12	U	0.13	U	0.1	U
N-Nitrosodiphenylamine	11	28	130	--	--	--	--	--	--	17	UJ	16	U	17	U	17	U	16	UJ	19	UJ	18	U
Pesticides (ug/kg)																							
4,4'-DDD	--	--	--	--	--	3.54	96	--	28.0	0.28	U	0.29	U	0.29	U	0.31	U	0.29	U	0.33	U	0.25	U
4,4'-DDE	--	--	--	--	--	1.42	21	--	31.3	0.24	U	0.24	U	0.25	U	0.27	U	0.24	U	0.28	U	0.21	U
4,4'-DDT	--	--	--	--	--	--	19	--	62.9	0.28	U	0.28	U	0.29	U	0.31	U	0.28	U	0.33	U	0.25	U
Total DDT	--	6.9	69	4,000	1,000	6.98	--	--	572														
Aldrin	--	10	--	--	170	--	--	--	--	0.11	U	0.12	U	0.12	U	0.13	U	0.12	U	0.13	U	0.1	U
alpha-Chlordane	--	10	--	--	1,000	4.5	--	--	17.6	0.13	U	0.13	U	0.13	U	0.14	U	0.13	U	0.15	U	0.11	U
Dieldrin	--	10	--	--	170	2.85	--	--	61.8	0.23	U	0.24	U	0.24	U	0.26	U	0.24	U	0.28	U	0.21	U
gamma-BHC (Lindane)	--	10	--	10	--	0.94	--	--	4.99	0.12	U	0.13	U	0.13	U	0.14	U	0.13	U	0.15	U	0.11	U
Heptachlor	--	10	--	--	--	0.6	--	--	16.0	0.14	U	0.14	U	0.15	U	0.16	U	0.14	U	0.17	U	0.13	U
Polychlorinated biphenyls (mg/kg)																							
PCB-1016	--	--	--	--	--	--	--	--	--	0.0066	UJ	0.0065	U	0.0066	U	0.0067	U	0.0061	UJ	0.007	UJ	0.0073	U
PCB-1221	--	--	--	--	--	--	--	--	--	0.0066	U	0.0065	U	0.0066	U	0.0067	U	0.0061	U	0.007	U	0.0073	U
PCB-1232	--	--	--	--	--	--	--	--	--	0.0066	U	0.0065	U	0.0066	U	0.0067	U	0.0061	U	0.007	U	0.0073	U
PCB-1242	--	--	--	--	--	--	--	--	--	0.0066	U	0.0065	U	0.0066	U	0.0067	U	0.0061	U	0.007	U	0.0073	U
PCB-1248	--	--	--	--	--	--	--	--	--	0.0066	U	0.0065	U	0.0066	U	0.0067	U	0.0061	U	0.007	U	0.0073	U
PCB-1254	--	--	--	--	--	--	230	294	--	0.0017	U	0.0017	U	0.0017	U	0.0017	U	0.0016	U	0.0018	U	0.0019	U
PCB-1260	--	--	--	--	--	--	138	140	--	0.0017	UJ	0.0017	U	0.0017	U	0.0017	U	0.0016	UJ	0.0018	UJ	0.0019	U
Total PCBs	12	0.13	3.1	10.0	2.0	0.0341	62	354	676														

Notes:

Sediment samples are composites of material from two adjacent sampling stations. For example, POV-0102 is a composite of sediment collected at sampling stations POV-01 and POV-02, POV-0308 is a composite from stations POV-03 and POV-08, and so on.

-- Indicates no numerical criterion of this type for this chemical. nm = not measured

¹Sediment Management Standard (WAC 173-204)

²NOAA SQuiRT - NOAA Screening Quick Reference Tables, developed by the Coastal Protection & Restoration Division of NOAA

³MacDonald - *Prediction of sediment toxicity using consensus-based freshwater sediment quality guidelines*, EPA 905/R-00/007. June 2000

⁴TOC analyzed via two different methods: STL used the PSEP Modified Lloyd-Kahn method; ARI used the Plumb, 1981 method.

SL = screening level. ML = maximum level. TEL = threshold effects level. LAET = Lowest Apparent Effects Threshold.

2LAET = Second Lowest Apparent Effects Threshold. PEC = probable effect concentration. RL = reporting limit.

U = compound not detected above the RL. H = sample analyzed outside holding time. J = estimated value. M = result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

B = analyte detected in sample and method blank (organics). Result is less than the RL but greater than detection limit (inorganics)

* - duplicate sample analysis is not within control limits (inorganics)

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		SQS	SL	ML	MTCA1	MTCA2	Freshwater TEL	2003 LAET	2003 2LAET	Consensus-based PEC	10/18/06	10/17/06	10/17/06	10/16/06	10/19/06	10/19/06	10/19/06						
Conventional Parameters																							
Ammonia (mg/kg)	--	--	--	--	--	--	--	--	--	18		17		17		19		17		17		18	
Total Solids (%)	--	--	--	--	--	--	--	--	--	80		85		84		78		82		82		78	
Total Volatile Solids (%)	--	--	--	--	--	--	--	--	--	0.63	J	0.63		0.6		1.2		0.63		0.64		0.63	
Total Organic Carbon (%) ⁴	--	--	--	--	--	--	9.82	--	--	0.066	J	0.055	J	0.094	J	0.0503	U	0.158	J	0.074	J	0.142	J
Total Sulfides (mg/kg)	--	--	--	--	--	--	702	941	--	6.2	UJ	6.0	UJ	6.0	UJ	6.8	UJ	6.8	UJ	6.2	UJ	6.0	UJ
Metals (mg/kg)																							
Antimony	--	150	200	--	--	--	0.6	1.9	--	0.067	M	0.055	JB M	0.069	JB M	0.042	JB M	0.091	JB M	0.13	JB M	0.1	JB M
Arsenic	57	57	700	20	20	5.9	31.4	50.9	33	1		1.3		1.3		2		1.2		1.1		1.5	
Cadmium	5.1	5.1	14	2	25	0.596	2.39	2.9	4.98	0.0043	U	0.0042	U	0.0043	U	0.0043	U	0.0045	U	0.0041	U	0.0046	U
Chromium	260	--	--	19	42	37.3	95	133	111	7.2		7.2		7.9		11		7.4		8.5		8.6	
Copper	390	390	1,300	--	100	35.7	619	829	149	7		7.3		6.4		9.2		6.7		7.2		7.7	
Lead	450	450	1,200	1,000	220	35.0	335	431	128	1.6		1.7		1.7		2		2		2		2.3	
Mercury	0.41	0.41	2.3	2	9	0.174	0.8	3.04	1.06	0.0083	U	0.0076	U	0.0086	U	0.0083	U	0.0077	U	0.0071	U	0.0091	U
Nickel	--	140	370	--	1000	18.0	53.1	113	48.6	7.9		9.3		8.3		11		8		8		9.5	
Silver	6.1	6.1	8.4	--	--	--	0.545	3.5	--	0.037	M	0.03	M	0.027	M	0.048	M	0.035	M	0.041	M	0.044	M
Zinc	410	410	3,800	--	270	123.1	683	1080	459	21		22		22		30		25		27		27	
Organotins (ug/kg, bulk)																							
Dibutyltin	--	--	--	--	--	--	--	--	--	0.15	UJ	0.14	UJ	0.14	UJ	0.15	UJ	0.15	UJ	0.14	UJ	0.15	UJ
Monobutyltin	--	--	--	--	--	--	--	--	--	0.089	UJ	0.085	UJ	0.083	UJ	0.089	UJ	0.088	UJ	0.086	UJ	0.093	UJ
Tetra-n-butyltin	--	--	--	--	--	--	--	--	--	0.45	UJ	0.43	UJ	0.42	UJ	0.45	UJ	0.45	UJ	0.44	UJ	0.47	UJ
Tributyltin (bulk)	--	75 (SEF)	--	--	--	--	--	--	--	0.48	UJ	0.46	UJ	0.44	UJ	0.47	UJ	0.47	UJ	0.46	UJ	0.49	UJ
Polynuclear Aromatic Hydrocarbons (ug/kg)																							
2-Methylnaphthalene	38	670	1,900	--	--	--	469	555	--	3.8	U	3.2	U	3.6	U	3.8	U	3.5	U	3.7	U	3.9	U
Acenaphthene	16	500	2,000	--	--	--	1060	1320	--	6.9	U	5.9	U	6.5	U	7	U	6.4	U	6.7	U	7.2	U
Acenaphthylene	66	560	1,300	--	--	--	470	640	--	2.8	U	2.4	U	2.6	U	2.8	U	2.6	U	2.7	U	2.9	U
Anthracene	220	960	13,000	--	--	--	1230	1580	845	5.2	U	4.4	U	4.9	U	5.3	U	4.8	U	5.1	U	5.4	U
Fluorene	23	540	3,600	--	--	--	1070	3850	536	3.2	U	2.7	U	3	U	3.2	U	2.9	U	3.1	U	3.3	U
Naphthalene	99	2,100	2,400	5,000	--	--	529	1310	561	6.9	U	5.9	U	6.5	U	7	U	6.4	U	6.7	U	7.2	U
Phenanthrene	100	1,500	21,000	--	30,000	41.9	6,100	7,570	1170	4.8	U	4.1	U	4.6	U	4.9	U	4.5	U	4.7	U	5.1	U
Total LPAH	370	5,200	29,000	--	--	--	6590	9200	--														
Benzo[a]anthracene	110	1,300	5,100	--	--	31.7	4260	5800	1050	7.9	U	6.7	U	7.4	U	8	U	7.3	U	7.7	U	8.2	U
Benzo[a]pyrene	99	1,600	3,600	2,000	--	31.9	3300	4810	1450	10	U	8.7	U	9.7	U	10	U	9.6	U	10	U	11	U
Benzo[g,h,i]perylene	31	670	3,200	--	--	--	4020	5200	--	8.8	U	7.5	U	8.4	U	9	U	8.2	U	8.6	U	9.2	U
Benzofluoranthene (b + k)	230	3,200	9,900	--	--	--	11000	13800	--	12	U	10	U	11	U	12	U	11	U	12	U	13	U
Chrysene	110	1,400	21,000	--	--	57.1	5940	6400	1290	9.1	U	7.7	U	8.6	U	9.2	U	8.4	U	8.9	U	9.5	U
Dibenzo(a,h)anthracene	12	230	1,900	--	--	--	800	839	--	15	U	12	U	14	U	15	U	14	U	14	U	15	U
Fluoranthene	160	1,700	30,000	--	--	111	11100	15000	2230	3.8	U	3.2	U	3.6	U	3.8	U	3.5	U	3.7	U	6.1	J M
Indeno[1,2,3-cd]pyrene	34	600	16,000	--	--	--	4120	5300	--	15	U	12	U	14	U	15	U	14	U	14	U	15	U
Pyrene	1,000	2,600	16,000	--	--	53	8790	16000	1520	3.3	U	2.8	U	3.1	U	3.3	U	3	U	3.2	U	7.6	J M
Total HPAH	960	12,000	69,000	--	--	--	31640	54800	--														
Chlorinated Hydrocarbons (ug/kg)																							
1,2,4-Trichlorobenzene	0.81	31	64	--	--	--	--	--	--	12	U	10	U	11	U	12	U	11	U	12	U	13	U
1,2-Dichlorobenzene	2.3	35	110	--	--	--	--	--	--	21	U	17	U	19	U	21	U	19	U	20	U	21	U
1,4-Dichlorobenzene	3.1	110	120	--	--	--	--	--	--	9.2	U	7.8	U	8.7	U	9.3	U	8.6	U	9	U	9.6	U
Hexachlorobenzene	0.38	22	230	--	--	--	--	--	--	0.18	UJ	0.17	U	0.16	U	0.23	U	0.21	U	0.22	U	0.23	U

**Table 4
Port of Vancouver - Analytical Data**

Analyte	Screening Levels									Analytical results											
	Sediment Mgt. Standards ¹	Dredged Material Evaluation Framework		Model Toxic Control Act		NOAA SQuiRT ²	WA Ecology Freshwater SQS		MacDonald ³	POV-1419	POV-1520	POV-1621	POV-1722	POV-2328	POV-2328 DUP	POV-2429					
		SQS	SL	ML	MTCA1	MTCA2	Freshwater TEL	2003 LAET	2003 2LAET	Consensus-based PEC	10/18/06	10/17/06	10/17/06	10/16/06	10/19/06	10/19/06	10/19/06				
Phthalates (ug/kg)																					
Bis(2-ethylhexyl) phthalate	47	8,300	--	--	--	--	2520	6380	--	290 U	250 U	270 U	300 U	270 U	280 U	300 U					
Butyl benzyl phthalate	4.9	970	--	--	--	--	260	366	--	35 U	30 U	33 U	36 U	33 U	34 U	37 U					
Diethyl phthalate	61	1,200	--	--	--	--	--	--	--	8.7 U	7.4 U	8.2 U	8.9 U	8.1 U	8.5 U	9.1 U					
Dimethyl phthalate	53	1,400	--	--	--	--	311	436	--	9.3 U	7.9 U	8.8 U	9.5 U	8.7 U	9.1 U	9.7 U					
Di-n-butyl phthalate	220	5,100	--	--	200,000	--	103	--	--	16 U	58 JB M	62 JB M	16 U	65 JB M	66 JB M	71 JB M					
Di-n-octyl phthalate	58	6,200	--	--	--	--	11	201	--	40 U	34 U	190 M	41 U	37 U	39 U	42 U					
Phenols (ug/kg)																					
2,4-Dimethylphenol	29	29	210	--	--	--	--	--	--	23 U	20 U	22 U	23 U	21 U	22 U	24 U					
2-Methylphenol	63	63	77	--	--	--	--	--	--	34 U	29 U	32 U	34 U	32 U	33 U	35 U					
3 & 4 Methylphenol	670	670	3,600	--	--	--	760	2360	--	64 U	55 U	61 U	65 U	60 U	63 U	67 U					
Pentachlorophenol	360	400	690	--	11,000	--	--	--	--	38 U	32 U	36 U	38 U	35 U	37 U	39 U					
Phenol	420	420	1,200	--	--	--	--	--	--	33 U	28 U	31 U	33 U	30 U	32 U	34 U					
Miscellaneous Extractables (ug/kg)																					
Benzoic acid	650	650	760	--	--	--	2910	3790	--	1000 U	850 U	950 U	1000 U	940 UJ	980 UJ	1000 UJ					
Benzyl alcohol	57	57	870	--	--	--	--	--	--	36 U	31 U	34 U	37 U	34 U	35 U	38 U					
Dibenzofuran	15	540	1,700	--	--	--	399	443	--	21 U	17 U	19 U	21 U	19 U	20 U	21 U					
Hexachlorobutadiene	3.9	29	270	--	--	--	--	--	--	0.11 UJ	0.1 U	0.097 U	0.13 U	0.12 U	0.13 U	0.14 U					
N-Nitrosodiphenylamine	11	28	130	--	--	--	--	--	--	18 U	15 UJ	17 UJ	18 UJ	17 U	18 U	19 U					
Pesticides (ug/kg)																					
4,4'-DDD	--	--	--	--	--	3.54	96	--	28.0	0.27 UJ	0.25 U	0.24 U	0.33 U	0.31 U	0.33 U	0.34 U					
4,4'-DDE	--	--	--	--	--	1.42	21	--	31.3	0.23 UJ	0.21 U	0.21 U	0.29 U	0.26 U	0.28 U	0.29 U					
4,4'-DDT	--	--	--	--	--	--	19	--	62.9	0.26 UJ	0.25 U	0.24 U	0.33 U	0.3 U	0.32 U	0.34 U					
Total DDT	--	6.9	69	4,000	1,000	6.98	--	--	572												
Aldrin	--	10	--	--	170	--	--	--	--	0.11 UJ	0.1 U	0.097 U	0.13 U	0.12 U	0.13 U	0.14 U					
alpha-Chlordane	--	10	--	--	1,000	4.5	--	--	17.6	0.12 UJ	0.11 U	0.22 M	0.15 U	0.14 U	0.15 U	0.15 U					
Dieldrin	--	10	--	--	170	2.85	--	--	61.8	0.22 UJ	0.21 U	0.2 U	0.28 U	0.25 U	0.27 U	0.28 U					
gamma-BHC (Lindane)	--	10	--	10	--	0.94	--	--	4.99	0.12 UJ	0.11 U	0.11 U	0.15 U	0.13 U	0.14 U	0.15 U					
Heptachlor	--	10	--	--	--	0.6	--	--	16.0	0.13 UJ	0.13 U	0.12 U	0.17 U	0.15 U	0.16 U	0.17 U					
Polychlorinated biphenyls (mg/kg)																					
PCB-1016	--	--	--	--	--	--	--	--	--	0.0071 U	0.0062 U	0.0065 U	0.0072 UJ	0.007 U	0.0065 U	0.0074 U					
PCB-1221	--	--	--	--	--	--	--	--	--	0.0071 U	0.0062 U	0.0065 U	0.0072 U	0.007 U	0.0065 U	0.0074 U					
PCB-1232	--	--	--	--	--	--	--	--	--	0.0071 U	0.0062 U	0.0065 U	0.0072 U	0.007 U	0.0065 U	0.0074 U					
PCB-1242	--	--	--	--	--	--	--	--	--	0.0071 U	0.0062 U	0.0065 U	0.0072 U	0.007 U	0.0065 U	0.0074 U					
PCB-1248	--	--	--	--	--	--	--	--	--	0.0071 U	0.0062 U	0.0065 U	0.0072 U	0.007 U	0.0065 U	0.0074 U					
PCB-1254	--	--	--	--	--	--	230	294	--	0.0018 U	0.0016 U	0.0017 U	0.0019 U	0.0018 U	0.0017 U	0.0019 U					
PCB-1260	--	--	--	--	--	--	138	140	--	0.0018 U	0.0016 U	0.0017 U	0.0019 UJ	0.0018 U	0.0017 U	0.0019 U					
Total PCBs	12	0.13	3.1	10.0	2.0	0.0341	62	354	676												

Notes:

Sediment samples are composites of material from two adjacent sampling stations. For example, POV-0102 is a composite of sediment collected at sampling stations POV-01 and POV-02, POV-0308 is a composite from stations POV-03 and POV-08, and so on.

-- Indicates no numerical criterion of this type for this chemical. nm = not measured

¹Sediment Management Standard (WAC 173-204)

²NOAA SQuiRT - NOAA Screening Quick Reference Tables, developed by the Coastal Protection & Restoration Division of NOAA

³MacDonald - Prediction of sediment toxicity using consensus-based freshwater sediment quality guidelines, EPA 905/R-00/007, June 2000

⁴TOC analyzed via two different methods: STL used the PSEP Modified Lloyd-Kahn method; ARI used the Plumb, 1981 method.

SL = screening level. ML = maximum level. TEL = threshold effects level. LAET = Lowest Apparent Effects Threshold.

2LAET = Second Lowest Apparent Effects Threshold. PEC = probable effect concentration. RL = reporting limit.

U = compound not detected above the RL. H = sample analyzed outside holding time. J = estimated value. M = result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

B = analyte detected in sample and method blank (organics). Result is less than the RL but greater than detection limit (inorganics)

* - duplicate sample analysis is not within control limits (inorganics)

**Table 4
Port of Vancouver - Analytical Data**

Analyte	Screening Levels									Analytical results										
	Sediment Mgt. Standards ¹	Dredged Material Evaluation Framework		Model Toxic Control Act		NOAA SQUIRT ²	WA Ecology Freshwater SQS		MacDonald ³	POV-2530	POV-2631	POV-2732	POV-3338	POV-3439	POV-3540	POV-3641				
		SQS	SL	ML	MTCA1	MTCA2	Freshwater TEL	2003 LAET	2003 2LAET	Consensus-based PEC	10/18/06	10/17/06	10/16/06	10/19/06	10/18/06	10/17/06	10/17/06			
Conventional Parameters																				
Ammonia (mg/kg)	--	--	--	--	--	--	--	--	--	18		17		18		17		18		17
Total Solids (%)	--	--	--	--	--	--	--	--	--	79		83		78		82		78		84
Total Volatile Solids (%)	--	--	--	--	--	--	--	--	--	0.64	J	0.59		0.43		0.69		0.6	J	0.56
Total Organic Carbon (%) ⁴	--	--	--	--	--	--	9.82	--	--	nm		0.050	J	nm		0.208	J	0.179	J	0.084
Total Sulfides (mg/kg)	--	--	--	--	--	--	702	941	--	6.3	UJ	6.2	UJ	6.3	UJ	6.6	UJ	6.4	UJ	6.1
Metals (mg/kg)																				
Antimony	--	150	200	--	--	--	0.6	1.9	--	0.17	M	0.1	M	0.052	JB M	0.19	JB M	0.12	M	0.06
Arsenic	57	57	700	20	20	5.9	31.4	50.9	33	1.2		1		1.5		1.4		1.8		1.2
Cadmium	5.1	5.1	14	2	25	0.596	2.39	2.9	4.98	0.0045	U	0.0043	U	0.0045	U	0.0034	U	0.0046	U	0.0044
Chromium	260	--	--	19	42	37.3	95	133	111	6.9		7.3		9.8		8.2		7.6		7.2
Copper	390	390	1,300	--	100	35.7	619	829	149	7		6.2		8.7		6.9		6.3		6.8
Lead	450	450	1,200	1,000	220	35.0	335	431	128	1.7		1.9		2		2.6		2		2.1
Mercury	0.41	0.41	2.3	2	9	0.174	0.8	3.04	1.06	0.0094	U	0.0074	U	0.0085	M	0.0074	U	0.01	U	0.009
Nickel	--	140	370	--	1000	18.0	53.1	113	48.6	7.2		8.6		11		10		8		8.3
Silver	6.1	6.1	8.4	--	--	--	0.545	3.5	--	0.049	M	0.027	M	0.042	M	0.04	M	0.036	M	0.038
Zinc	410	410	3,800	--	270	123.1	683	1080	459	23		25		28		32		26		27
Organotins (ug/kg, bulk)																				
Dibutyltin	--	--	--	--	--	--	--	--	--	0.15	UJ	0.14	UJ	0.15	UJ	0.14	UJ	0.15	UJ	0.14
Monobutyltin	--	--	--	--	--	--	--	--	--	0.091	UJ	0.083	UJ	0.089	UJ	0.086	UJ	0.092	UJ	0.086
Tetra-n-butyltin	--	--	--	--	--	--	--	--	--	0.46	UJ	0.42	UJ	0.45	UJ	0.44	UJ	0.47	UJ	0.44
Tributyltin (bulk)	--	75 (SEF)	--	--	--	--	--	--	--	0.49	UJ	0.45	UJ	0.48	UJ	0.46	UJ	0.49	UJ	0.46
Polynuclear Aromatic Hydrocarbons (ug/kg)																				
2-Methylnaphthalene	38	670	1,900	--	--	--	469	555	--	3.7	U	3	U	3.8	U	3.6	U	3.7	U	3.7
Acenaphthene	16	500	2,000	--	--	--	1060	1320	--	6.8	U	5.6	U	6.9	U	6.6	U	6.9	U	6.8
Acenaphthylene	66	560	1,300	--	--	--	470	640	--	2.7	U	2.3	U	2.8	U	2.7	U	2.8	U	2.7
Anthracene	220	960	13,000	--	--	--	1230	1580	845	5.1	U	4.2	U	5.2	U	5	U	5.2	U	5.1
Fluorene	23	540	3,600	--	--	--	1070	3850	536	3.1	U	2.6	U	3.2	U	3	U	3.1	U	3.1
Naphthalene	99	2,100	2,400	5,000	--	--	529	1310	561	6.8	U	5.6	U	6.9	U	6.6	U	6.9	U	6.8
Phenanthrene	100	1,500	21,000	--	30,000	41.9	6,100	7,570	1170	4.8	U	3.9	U	4.9	U	4.6	U	4.8	U	4.8
Total LPAH	370	5,200	29,000	--	--	--	6590	9200	--											
Benzo[a]anthracene	110	1,300	5,100	--	--	31.7	4260	5800	1050	7.7	U	6.4	U	7.9	U	7.5	U	7.9	U	7.7
Benzo[a]pyrene	99	1,600	3,600	2,000	--	31.9	3300	4810	1450	10	U	8.3	U	10	U	9.9	U	10	U	10
Benzo[g,h,i]perylene	31	670	3,200	--	--	--	4020	5200	--	8.7	U	7.2	U	8.9	U	8.5	U	8.8	U	8.7
Benzo[fluoranthene (b + k)	230	3,200	9,900	--	--	--	11000	13800	--	12	U	9.8	U	12	U	12	U	12	U	12
Chrysene	110	1,400	21,000	--	--	57.1	5940	6400	1290	8.9	U	7.4	U	9.1	U	8.7	U	9.1	U	8.9
Dibenzo(a,h)anthracene	12	230	1,900	--	--	--	800	839	--	14	U	12	U	15	U	14	U	14	U	14
Fluoranthene	160	1,700	30,000	--	--	111	11100	15000	2230	3.7	U	3	U	3.8	U	3.6	U	3.7	U	3.7
Indeno[1,2,3-cd]pyrene	34	600	16,000	--	--	--	4120	5300	--	14	U	12	U	15	U	14	U	14	U	14
Pyrene	1,000	2,600	16,000	--	--	53	8790	16000	1520	3.2	U	2.7	U	3.3	U	3.1	U	3.3	U	3.2
Total HPAH	960	12,000	69,000	--	--	--	31640	54800	--											
Chlorinated Hydrocarbons (ug/kg)																				
1,2,4-Trichlorobenzene	0.81	31	64	--	--	--	--	--	--	12	U	9.7	U	12	U	11	U	12	U	12
1,2-Dichlorobenzene	2.3	35	110	--	--	--	--	--	--	20	U	17	U	21	U	20	U	21	U	20
1,4-Dichlorobenzene	3.1	110	120	--	--	--	--	--	--	9.1	U	7.5	U	9.2	U	8.8	U	9.2	U	9.1
Hexachlorobenzene	0.38	22	230	--	--	--	--	--	--	0.19	U	0.18	U	0.22	U	0.22	U	0.16	UJ	0.17

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Analyte	Screening Levels									Analytical results													
	Sediment Mgt. Standards ¹	Dredged Material Evaluation Framework		Model Toxic Control Act		NOAA SQuiRT ²	WA Ecology Freshwater SQS		MacDonald ³	POV-2530	POV-2631	POV-2732	POV-3338	POV-3439	POV-3540	POV-3641							
		SQS	SL	ML	MTCA1	MTCA2	Freshwater TEL	2003 LAET	2003 2LAET	Consensus-based PEC	10/18/06	10/17/06	10/16/06	10/19/06	10/18/06	10/17/06	10/17/06						
Phthalates (ug/kg)																							
Bis(2-ethylhexyl) phthalate	47	8,300	--	--	--	--	2520	6380	--	290	U	240	U	290	U	280	U	290	U	290	U	200	U
Butyl benzyl phthalate	4.9	970	--	--	--	--	260	366	--	35	U	28	U	35	U	34	U	35	U	35	U	25	U
Diethyl phthalate	61	1,200	--	--	--	--	--	--	--	8.6	U	7.1	U	8.7	UJ	8.4	U	8.7	U	8.6	U	6.1	U
Dimethyl phthalate	53	1,400	--	--	--	--	311	436	--	9.2	U	7.6	U	9.3	U	8.9	U	9.3	U	9.2	U	6.5	U
Di-n-butyl phthalate	220	5,100	--	--	200,000	--	103	--	--	15	U	60	JB M	16	U	67	JB M	16	U	15	U	48	JB M
Di-n-octyl phthalate	58	6,200	--	--	--	--	11	201	--	39	U	32	U	40	U	38	U	40	U	39	U	140	M
Phenols (ug/kg)																							
2,4-Dimethylphenol	29	29	210	--	--	--	--	--	--	23	U	19	U	23	U	22	U	23	U	23	U	16	U
2-Methylphenol	63	63	77	--	--	--	--	--	--	33	U	27	U	34	U	33	U	34	U	33	U	24	U
3 & 4 Methylphenol	670	670	3,600	--	--	--	760	2360	--	63	U	52	U	64	U	62	U	64	U	63	U	45	U
Pentachlorophenol	360	400	690	--	11,000	--	--	--	--	37	U	30	U	38	U	36	U	37	U	37	U	26	U
Phenol	420	420	1,200	--	--	--	--	--	--	32	U	27	U	33	U	31	U	33	U	32	U	23	U
Miscellaneous Extractables (ug/kg)																							
Benzoic acid	650	650	760	--	--	--	2910	3790	--	990	U	820	U	1000	U	960	UJ	1000	U	990	U	700	U
Benzyl alcohol	57	57	870	--	--	--	--	--	--	36	U	29	U	36	U	35	U	36	U	36	U	25	U
Dibenzofuran	15	540	1,700	--	--	--	399	443	--	20	U	17	U	21	U	20	U	21	U	20	U	14	U
Hexachlorobutadiene	3.9	29	270	--	--	--	--	--	--	0.11	U	0.11	U	0.13	U	0.13	U	0.093	UJ	0.1	U	0.11	U
N-Nitrosodiphenylamine	11	28	130	--	--	--	--	--	--	18	U	15	UJ	18	UJ	17	U	18	U	18	U	13	UJ
Pesticides (ug/kg)																							
4,4'-DDD	--	--	--	--	--	3.54	96	--	28.0	0.27	U	0.27	U	0.33	U	0.32	U	0.23	UJ	0.25	U	0.26	U
4,4'-DDE	--	--	--	--	--	1.42	21	--	31.3	0.23	U	0.23	U	0.28	U	0.27	U	0.2	UJ	0.22	U	0.22	U
4,4'-DDT	--	--	--	--	--	--	19	--	62.9	0.27	U	0.27	U	0.33	U	0.32	U	0.35	J M	0.34	M	0.26	U
Total DDT	--	6.9	69	4,000	1,000	6.98	--	--	572														
Aldrin	--	10	--	--	170	--	--	--	--	0.11	U	0.11	U	0.13	U	0.13	U	0.093	UJ	0.1	U	0.11	U
alpha-Chlordane	--	10	--	--	1,000	4.5	--	--	17.6	0.12	U	0.12	U	0.15	U	0.14	U	0.1	UJ	0.11	U	0.12	U
Dieldrin	--	10	--	--	170	2.85	--	--	61.8	0.23	U	0.22	U	0.27	U	0.27	U	0.19	UJ	0.21	U	0.22	U
gamma-BHC (Lindane)	--	10	--	10	--	0.94	--	--	4.99	0.12	U	0.12	U	0.14	U	0.14	U	0.1	UJ	0.11	U	0.11	U
Heptachlor	--	10	--	--	--	0.6	--	--	16.0	0.14	U	0.14	U	0.17	U	0.16	U	0.12	UJ	0.13	U	0.13	U
Polychlorinated biphenyls (mg/kg)																							
PCB-1016	--	--	--	--	--	--	--	--	--	0.007	U	0.0068	U	0.0068	UJ	0.0066	U	0.0074	U	0.0068	U	0.0064	U
PCB-1221	--	--	--	--	--	--	--	--	--	0.007	U	0.0068	U	0.0068	U	0.0066	U	0.0074	U	0.0068	U	0.0064	U
PCB-1232	--	--	--	--	--	--	--	--	--	0.007	U	0.0068	U	0.0068	U	0.0066	U	0.0074	U	0.0068	U	0.0064	U
PCB-1242	--	--	--	--	--	--	--	--	--	0.007	U	0.0068	U	0.0068	U	0.0066	U	0.0074	U	0.0068	U	0.0064	U
PCB-1248	--	--	--	--	--	--	--	--	--	0.007	U	0.0068	U	0.0068	U	0.0066	U	0.0074	U	0.0068	U	0.0064	U
PCB-1254	--	--	--	--	--	--	230	294	--	0.0018	U	0.0018	U	0.0018	U	0.0017	U	0.0019	U	0.0018	U	0.0017	U
PCB-1260	--	--	--	--	--	--	138	140	--	0.0018	U	0.0018	U	0.0018	UJ	0.0017	U	0.0019	U	0.0018	U	0.0017	U
Total PCBs	12	0.13	3.1	10.0	2.0	0.0341	62	354	676														

Notes:

Sediment samples are composites of material from two adjacent sampling stations. For example, POV-0102 is a composite of sediment collected at sampling stations POV-01 and POV-02, POV-0308 is a composite from stations POV-03 and POV-08, and so on.

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U = compound not detected above the RL. H = sample analyzed outside holding time. J = estimated value. M = result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

B = analyte detected in sample and method blank (organics). Result is less than the RL but greater than detection limit (inorganics)

* - duplicate sample analysis is not within control limits (inorganics)

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		SQS	SL	ML	MTCA1	MTCA2	Freshwater TEL	2003 LAET	2003 2LAET	Consensus-based PEC	10/16/06	10/19/06	10/19/06	10/17/06	10/19/06	10/19/06					
Conventional Parameters																					
Ammonia (mg/kg)	--	--	--	--	--	--	--	--	--	17		17		17		17		18		17	
Total Solids (%)	--	--	--	--	--	--	--	--	--	85		84		84		83	J	80		85	
Total Volatile Solids (%)	--	--	--	--	--	--	--	--	--	0.55		0.65		0.61		0.66		0.62		0.63	
Total Organic Carbon (%) ⁴	--	--	--	--	--	--	9.82	--	--	0.0502	U	nm		0.111	J	0.0504	U	0.061	J	0.091	J
Total Sulfides (mg/kg)	--	--	--	--	--	--	702	941	--	6.9	UJ	5.9	UJ	6.6	UJ	6.8	UJ	6.5	UJ	6.5	UJ
Metals (mg/kg)																					
Antimony	--	150	200	--	--	--	0.6	1.9	--	0.045	JB M	0.12	JB M	0.095	JB M	0.041	JB M	0.076	JB M	0.094	JB M
Arsenic	57	57	700	20	20	5.9	31.4	50.9	33	1.3		0.93		1		1.2		1.2		1.2	
Cadmium	5.1	5.1	14	2	25	0.596	2.39	2.9	4.98	0.0042	U	0.0041	U	0.0045	U	0.0043	U	0.0042	U	0.0038	U
Chromium	260	--	--	19	42	37.3	95	133	111	9.9		7.2		8.4		8.1		8		7.5	
Copper	390	390	1,300	--	100	35.7	619	829	149	7.4		6.2		6.8		6.3		6.7		6.7	
Lead	450	450	1,200	1,000	220	35.0	335	431	128	2.1		2.3		2.2		2		2		2.7	
Mercury	0.41	0.41	2.3	2	9	0.174	0.8	3.04	1.06	0.0086	U	0.0086	U	0.0075	U	0.0071	U	0.0071	U	0.0088	U
Nickel	--	140	370	--	1000	18.0	53.1	113	48.6	10		7.2		9.1		9.2		9.8		7.5	
Silver	6.1	6.1	8.4	--	--	--	0.545	3.5	--	0.038	M	0.035	M	0.037	M	0.025	M	0.045	M	0.039	M
Zinc	410	410	3,800	--	270	123.1	683	1080	459	31		28		29		25		25		35	
Organotins (ug/kg, bulk)																					
Dibutyltin	--	--	--	--	--	--	--	--	--	0.14	UJ	0.14	UJ	0.14	UJ	0.14	UJ	0.14	UJ	0.13	UJ
Monobutyltin	--	--	--	--	--	--	--	--	--	0.082	UJ	0.084	UJ	0.084	UJ	0.085	UJ	0.088	UJ	0.081	UJ
Tetra-n-butyltin	--	--	--	--	--	--	--	--	--	0.42	UJ	0.43	UJ	0.43	UJ	0.43	UJ	0.44	UJ	0.41	UJ
Tributyltin (bulk)	--	75 (SEF)	--	--	--	--	--	--	--	0.44	UJ	0.45	UJ	0.45	UJ	0.46	UJ	0.47	UJ	0.43	UJ
Polynuclear Aromatic Hydrocarbons (ug/kg)																					
2-Methylnaphthalene	38	670	1,900	--	--	--	469	555	--	3.5	U	3.5	U	3.6	U	2.5	U	3.7	U	3.6	U
Acenaphthene	16	500	2,000	--	--	--	1060	1320	--	6.5	U	6.5	U	6.6	U	4.6	U	6.8	U	6.6	U
Acenaphthylene	66	560	1,300	--	--	--	470	640	--	2.6	U	2.6	U	2.7	U	1.9	U	2.8	U	2.6	U
Anthracene	220	960	13,000	--	--	--	1230	1580	845	4.9	U	4.9	U	5	U	3.5	U	5.2	U	5	U
Fluorene	23	540	3,600	--	--	--	1070	3850	536	3	U	2.9	U	3	U	2.1	U	3.1	U	3	U
Naphthalene	99	2,100	2,400	5,000	--	--	529	1310	561	6.5	U	6.5	U	6.6	U	4.6	U	6.8	U	6.6	U
Phenanthrene	100	1,500	21,000	--	30,000	41.9	6,100	7,570	1170	4.6	U	4.5	U	4.6	U	3.3	U	4.8	U	4.6	U
Total LPAH	370	5,200	29,000	--	--	--	6590	9200	--												
Benzo[a]anthracene	110	1,300	5,100	--	--	31.7	4260	5800	1050	7.4	U	7.4	U	7.5	U	5.3	U	7.8	U	7.5	U
Benzo[a]pyrene	99	1,600	3,600	2,000	--	31.9	3300	4810	1450	9.7	U	9.6	U	9.8	U	6.9	U	10	U	9.8	U
Benzo[g,h,i]perylene	31	670	3,200	--	--	--	4020	5200	--	8.3	U	8.3	U	8.4	U	6	U	8.8	U	8.4	U
Benzofluoranthene (b + k)	230	3,200	9,900	--	--	--	11000	13800	--	11	U	11	U	12	U	8.2	U	12	U	12	U
Chrysene	110	1,400	21,000	--	--	57.1	5940	6400	1290	8.6	U	8.5	U	8.7	U	6.1	U	9	U	8.6	U
Dibenzo(a,h)anthracene	12	230	1,900	--	--	--	800	839	--	14	U	14	U	14	U	9.8	U	14	U	14	U
Fluoranthene	160	1,700	30,000	--	--	111	11100	15000	2230	3.5	U	3.5	U	3.6	U	2.5	U	3.7	U	3.6	U
Indeno[1,2,3-cd]pyrene	34	600	16,000	--	--	--	4120	5300	--	14	U	14	U	14	U	9.8	U	14	U	14	U
Pyrene	1,000	2,600	16,000	--	--	53	8790	16000	1520	3.1	U	3.1	U	3.1	U	2.2	U	3.2	U	3.1	U
Total HPAH	960	12,000	69,000	--	--	--	31640	54800	--												
Chlorinated Hydrocarbons (ug/kg)																					
1,2,4-Trichlorobenzene	0.81	31	64	--	--	--	--	--	--	11	U	11	U	11	U	8.1	U	12	U	11	U
1,2-Dichlorobenzene	2.3	35	110	--	--	--	--	--	--	19	U	19	U	20	U	14	U	20	U	20	U
1,4-Dichlorobenzene	3.1	110	120	--	--	--	--	--	--	8.7	U	8.6	U	8.8	U	6.2	U	9.1	U	8.8	U
Hexachlorobenzene	0.38	22	230	--	--	--	--	--	--	0.2	U	0.2	U	0.2	U	0.18	U	0.23	U	0.2	U

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		SQS	SL	ML	MTCA1	MTCA2	Freshwater TEL	2003 LAET	2003 2LAET	Consensus-based PEC	10/16/06	10/19/06	10/19/06	10/17/06	10/19/06	10/19/06					
Phthalates (ug/kg)																					
Bis(2-ethylhexyl) phthalate	47	8,300	--	--	--	--	2520	6380	--	270	U	270	U	280	U	200	U	290	U	280	U
Butyl benzyl phthalate	4.9	970	--	--	--	--	260	366	--	33	U	33	U	33	U	24	U	35	U	33	U
Diethyl phthalate	61	1,200	--	--	--	--	--	--	--	8.2	UJ	8.2	U	8.3	U	5.9	U	8.6	U	8.3	U
Dimethyl phthalate	53	1,400	--	--	--	--	311	436	--	8.8	U	8.7	U	8.9	U	6.3	U	9.2	U	8.9	U
Di-n-butyl phthalate	220	5,100	--	--	200,000	--	103	--	--	15	U	63	JB M	66	JB M	48	JB M	71	JB M	65	JB M
Di-n-octyl phthalate	58	6,200	--	--	--	--	11	201	--	38	U	37	U	38	U	140	M	200	JB M	38	U
Phenols (ug/kg)																					
2,4-Dimethylphenol	29	29	210	--	--	--	--	--	--	22	U	22	U	22	U	15	U	23	U	22	U
2-Methylphenol	63	63	77	--	--	--	--	--	--	32	U	32	U	32	U	23	U	34	U	32	U
3 & 4 Methylphenol	670	670	3,600	--	--	--	760	2360	--	61	U	60	U	61	U	43	U	64	U	61	U
Pentachlorophenol	360	400	690	--	11,000	--	--	--	--	35	U	35	U	36	U	25	U	37	U	36	U
Phenol	420	420	1,200	--	--	--	--	--	--	31	U	31	U	31	U	22	U	32	U	31	U
Miscellaneous Extractables (ug/kg)																					
Benzoic acid	650	650	760	--	--	--	2910	3790	--	950	U	940	UJ	960	UJ	680	U	1000	UJ	960	UJ
Benzyl alcohol	57	57	870	--	--	--	--	--	--	34	U	34	U	35	U	24	U	36	U	35	U
Dibenzofuran	15	540	1,700	--	--	--	399	443	--	19	U	19	U	20	U	14	U	20	U	20	U
Hexachlorobutadiene	3.9	29	270	--	--	--	--	--	--	0.12	U	0.12	U	0.12	U	0.11	U	0.13	U	0.12	U
N-Nitrosodiphenylamine	11	28	130	--	--	--	--	--	--	17	UJ	17	U	17	U	12	UJ	18	U	17	U
Pesticides (ug/kg)																					
4,4'-DDD	--	--	--	--	--	3.54	96	--	28.0	0.3	U	0.3	U	0.29	U	0.26	U	0.33	U	0.3	U
4,4'-DDE	--	--	--	--	--	1.42	21	--	31.3	0.25	U	0.26	U	0.25	U	0.22	U	0.29	U	0.26	U
4,4'-DDT	--	--	--	--	--	--	19	--	62.9	0.29	U	0.3	U	0.29	U	0.26	U	0.33	U	0.3	U
Total DDT	--	6.9	69	4,000	1,000	6.98	--	--	572												
Aldrin	--	10	--	--	170	--	--	--	--	0.12	U	0.12	U	0.12	U	0.11	U	0.13	U	0.12	U
alpha-Chlordane	--	10	--	--	1,000	4.5	--	--	17.6	0.13	U	0.13	U	0.13	U	0.12	U	0.15	U	0.13	U
Dieldrin	--	10	--	--	170	2.85	--	--	61.8	0.25	U	0.25	U	0.24	U	0.22	U	0.28	U	0.25	U
gamma-BHC (Lindane)	--	10	--	10	--	0.94	--	--	4.99	0.13	U	0.13	U	0.13	U	0.11	U	0.15	U	0.13	U
Heptachlor	--	10	--	--	--	0.6	--	--	16.0	0.15	U	0.15	U	0.15	U	0.13	U	0.17	U	0.15	U
Polychlorinated biphenyls (mg/kg)																					
PCB-1016	--	--	--	--	--	--	--	--	--	0.0067	UJ	0.0066	U	0.0065	U	0.0068	U	0.007	U	0.0064	U
PCB-1221	--	--	--	--	--	--	--	--	--	0.0067	U	0.0066	U	0.0065	U	0.0068	U	0.007	U	0.0064	U
PCB-1232	--	--	--	--	--	--	--	--	--	0.0067	U	0.0066	U	0.0065	U	0.0068	U	0.007	U	0.0064	U
PCB-1242	--	--	--	--	--	--	--	--	--	0.0067	U	0.0066	U	0.0065	U	0.0068	U	0.007	U	0.0064	U
PCB-1248	--	--	--	--	--	--	--	--	--	0.0067	U	0.0066	U	0.0065	U	0.0068	U	0.007	U	0.0064	U
PCB-1254	--	--	--	--	--	--	230	294	--	0.0017	U	0.0017	U	0.0017	U	0.0018	U	0.0018	U	0.0016	U
PCB-1260	--	--	--	--	--	--	138	140	--	0.0017	UJ	0.0017	U	0.0017	U	0.0018	U	0.0018	U	0.0016	U
Total PCBs	12	0.13	3.1	10.0	2.0	0.0341	62	354	676												

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