

TABLE 7-3

**NEAR-SHORE SUBTIDAL SAMPLE RESULTS
HOY'S MARINE
NEWPORT, OREGON**

EPA Sample Number	99224297	99224273	99224275	99224277	99224279	99224281	99224283	99224285	99224287	99224289	99224291	99224293	99224295
START Sample Number	ST25SD	ST01SD	ST03SD	ST05SD	ST07SD	ST09SD	ST11SD	ST13SD	ST15SD	ST17SD	ST19SD	ST21SD	ST23SD
Depth	0-6	0-6	0-6	0-6	0-6	0-6	0-6	0-6	0-6	0-6	0-6	0-6	0-6
Location	Background	Downstream of Site					Hoy's Marine			Upstream of Site			
SVOCs (µg/kg)													
2,4-dimethylphenol	203 U	164 U	166 U	199 U	173 U	173 U	R	159 U	145 U	161 U	196 U	194 U	214 U
2-methylnaphthalene	203 U	164 U	166 U	199 U	173 U	173 U	192 U	108 JQK	145 U	161 U	196 U	194 U	214 U
4-methylphenol	203 U	164 U	166 U	199 U	109 JQK	173 U	192 U	285	145 U	161 U	196 U	194 U	214 U
acenaphthene	203 U	164 U	166 U	199 U	113 JQK	173 U	161 JQK	257	145 U	161 U	196 U	194 U	214 U
anthracene	203 U	164 U	253	199 U	114 JQK	166 JQK	173 JQK	487	145 U	161 U	196 U	194 U	214 U
benz(a)anthracene	203 U	119 JQK	166 U	199 U	284	339	328	871	145 U	161 U	196 U	194 U	214 U
benzo(a)pyrene	406 U	328 U	331 U	130 JQK	163 JQK	238 JQK	248 JQK	558	291 U	323 U	392 U	389 U	428 U
benzo(b)fluoranthene	203 U	111 JQK	166 U	166 JQK	225	306	147 JQK	650	145 U	161 U	196 U	194 U	214 U
benzo(g,h,i)perylene	203 U	164 U	166 U	199 JQK	173 U	218	257	365	145 U	161 U	196 U	194 U	214 U
benzo(k)fluoranthene	203 U	164 U	166 U	199 U	106 JQK	142 JQK	338	225	145 U	161 U	196 U	194 U	214 U
benzoic acid	1020 U	821 U	828 U	995 U	863 U	866 U	961 U	797 U	797	807 U	980 U	1130	1070 U
bis(2-ethylhexyl) phthalate	1020 U	821 U	828 U	995 U	863 U	965	638 JQK	2130	727 U	807 U	980 U	973 U	1070 U
chrysene	203 U	118 JQK	104 JQK	179 JQK	268	379	398	1230	145 U	161 U	196 U	194 U	214 U
di-n-butylphthalate	342	159 JQK	166 U	199 U	173 U	173 U	192 U	264	145 U	161 U	196 U	194 U	214 U
dibenzo[a,h]anthracene	406 U	328 U	331 U	398 U	345 U	346 U	384 U	319 U	111 JQK	323 U	392 U	389 U	428 U
dibenzofuran	203 U	164 U	166 U	199 U	173 U	173 U	103 JQK	94.2 JQK	145 U	161 U	196 U	194 U	214 U
fluoranthene	203 U	282	208	457	851	968	876	1600	145 U	161 U	106 JQK	194 U	214 U
fluorene	203 U	164 U	166 U	199 U	103 JQK	173 U	135 JQK	264	145 U	161 U	196 U	194 U	214 U
indeno[1,2,3-cd]pyrene	406 U	332	311 JQK	415	345 U	422	384 U	459	145 U	323 U	392 U	389 U	428 U
naphthalene,1-methyl-	203 U	164 U	166 U	199 U	173 U	173 U	192 U	139 JQK	145 U	161 U	196 U	194 U	214 U
phenanthrene	203 U	278	148 JQK	359	589	589	694 U	2460	145 U	161 U	196 U	194 U	214 U
phenol	203 U	164 U	166 U	199 U	378	173 U	192 U	159 U	122 JQK	161 U	196 U	193 JQK	185 JQK
pyrene	203 U	235 U	169	377	648	805	735	2170	104 JQK	161 U	119 JQK	194 U	214 U
retene	203 U	164 U	166 U	199 U	173 U	173 U	1440	380	145 U	161 U	196 U	230	233

Key at the end of table.

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START Sample Number	ST25SD	ST01SD	ST03SD	ST05SD	ST07SD	ST09SD	ST11SD	ST13SD	ST15SD	ST17SD	ST19SD	ST21SD	ST23SD
Depth	0-6	0-6	0-6	0-6	0-6	0-6	0-6	0-6	0-6	0-6	0-6	0-6	0-6
Location	Background	Downstream of Site					Hoy's Marine				Upstream of Site		
Metals (mg/kg)													
Aluminum	13900	7160	7720	10200	9900	12900	1400	17500	14700	6450	11900	12700	14300
Arsenic	8.72	6.97	8.75	8.74	26 JH (14.9 AC)	26.7 JH	18	36.4 JH (20.9 AC)	72 JH (41.4 AC)	7.71	8.59	8.89	9.42
Barium	42	22.2	23.6	32.2	30.8	91.9	80.4	152	157	17.6	31.7	41.4	43.8
Beryllium	0.786	0.61	0.43	0.537	0.524	0.575	0.61	0.66	0.638	0.42	0.626	0.719	0.758
Cadmium	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.29 UJK	0.49 UJK	2.29	0.64 UJK	0.2 U	0.2 U	0.2 U	0.24 UJK
Calcium	1850	26500	4980	3690	4770	22600	17500	36700	33600	1990	2090	2060	2510
Chromium	24.6	17.5	19.8	40.3	63.7	92.5	110	127	80.1	15.4	29.5	26.5	29.7
Cobalt	8	6.09 UJK	5.04	7.26	7.31	13.1	12.5	17.5	18.3	5.52	6.59	7.37	7.92
Copper	14.5	14.3	13.3	46.4	53.1	446	474	2440	679	12.8	21.2	17.2	19.7
Iron	25200	22400	16800	22200	22900	39600	37300	58800	57100	16600	22200	23900	26400
Lead	8.42	20	8.81	7.92	46	46.9	40.4	156	104	5.99	8.37	8.62	8.69
Magnesium	6190	4360	4480	6120	5960	8430	9440	12500	8590	3800	6980	6800	7560
Manganese	172	141	105	178	194	496	412	950	679	111	125	146	185
Nickel	18.9	16 JL	15.2	23.5	26.7	36.5	108	70.2	51	12.7	24.5	22.5	24.2
Potassium	2550	2100	2270	2260	2060	2610	2970	2880	2830	1530	2760	2730	2780
Sodium	9440	7590	5850	8270	7290	8130	9860	70.2	5980	5090	9710	9540	11800
Vanadium	37.1	28.8	22.8	31.4	29.9	39.6	40.9	52.4	44.8	20.6	35.4	35.5	39.2
Zinc	66.9	89.2	44.9	75.4	77.5	421	388	1890	1040	50.8	72.5	67.4	72.9
PCBs (µg/kg)													
Aroclor 1254	25 U	20 U	21 U	25 U	22 U	21 JQK	160	160	18 U	20 U	18 JQK	24 U	27 U
Butylins (µg/kg)													
Monobutyltin	3 U	4.6	2.3 U	47	83	98	72	160	42	27	3.2 U	3.3 U	3.4 U
Dibutyltin	4.3 U	3.6 U	3.3 U	15	91	51	2100	830	30	15	4.5 U	4.7 U	4.9 U
Tributyltin	5.8 U	5.2 U	20	69	3000	2600	260	1100	150	81	6 U	6.3 U	6.5 U
Tetrabutyltin	7.5 U	6.7 U	5.7 U	6.7 U	49	18	70	30	5.2 U	5.8 U	7.8 U	8.1 U	8.4 U
TOC	27000	15000	7900	15000	13000	17000	5000	12000	5600	8900	20000	23000	28000

Bold type indicates concentrations above sample quantitation limits or detection limits. Underline indicates concentrations above a comparison standard.

Key:	
AC	= Adjusted concentration.
EPA	= United States Environmental Protection Agency.
H	= High bias.
ID	= Identification.
J	= The analyte was positively identified. The associated numerical value is an estimate.
K	= Unknown bias.
mg/kg	= Milligrams per kilogram.
PCB	= Polychlorinated biphenyls.
Q	= The result is estimated because the concentration is below the Contract Required Quantitation Limits.
START	= Superfund Technical Assessment and Response Team.
SVOCs	= Semivolatile organic compounds.
TOC	= Total organic carbon
U	= The material was analyzed for but was not detected. The associated numerical value is the sample quantitation limit.
µg/kg	= Micrograms per kilogram.