

Table 33C**WATER QUALITY GUIDANCE VALUES SUMMARY^A**

The concentration for each compound listed in Table 33c is a guidance value that can be used in application of Oregon's Narrative Toxics Criteria (340-041-0033(1)) to waters of the state in order to protect aquatic life. All values are expressed as micrograms per liter (µg/L) except where noted. Compounds are listed in alphabetical order with the corresponding EPA number (from National Recommended Water Quality Criteria: 2002, EPA-822-R-02-047), corresponding Chemical Abstract Service (CAS) number, aquatic life freshwater acute and chronic guidance values, and aquatic life saltwater acute and chronic guidance values.

EPA No.	Compound	CAS Number	Freshwater		Saltwater	
			Acute	Chronic	Acute	Chronic
56	Acenaphthene	83329	1,700	520	970	710
17	Acrolein	107028	68	21	55	-
18	Acrylonitrile	107131	7,550	2,600	-	-
1	Antimony	7440360	9,000	1,600	-	-
2	Arsenic	7440382	850	48	2,319	13
19	Benzene	71432	5,300	-	5,100	700
59	Benzidine	92875	2,500	-	-	-
3	Beryllium	7440417	130	5.3	-	-
19 B	BHC (Hexachlorocyclohexane-Technical)	319868	100	-	0.34	-
21	Carbon Tetrachloride	56235	35,200	-	50,000	-
	Chlorinated Benzenes		250	50	160	129
	Chlorinated naphthalenes		1,600	-	7.5	-
	Chloroalkyl Ethers		238,000	-	-	-
26	Chloroform	67663	28,900	1,240	-	-
45	Chlorophenol 2-	95578	4,380	2,000	-	-
	Chlorophenol 4-	106489	-	-	29,700	-
52	Methyl-4-chlorophenol 3-	59507	30	-	-	-
5a	Chromium (III)	16065831	-	-	10,300	-
109	DDE 4,4'-	72559	1,050	-	14	-
110	DDD 4,4'-	72548	0.06	-	3.6	-
	Diazinon	333415	0.08	0.05	-	-
	Dichlorobenzenes		1,120	763	1,970	-
29	Dichloroethane 1,2-	107062	118,000	20,000	113,000	-
	Dichloroethylenes		11,600	-	224,000	-
46	Dichlorophenol 2,4-	120832	2,020	365	-	-
31	Dichloropropane 1,2-	78875	23,000	5,700	10,300	3,040
32	Dichloropropene 1,3-	542756	6,060	244	790	-
47	Dimethylphenol 2,4-	105679	2,120	-	-	-
	Dinitrotoluene		330	230	590	370
16	Dioxin (2,3,7,8-TCDD)	1746016	0.01	38pg/L	-	-
85	Diphenylhydrazine 1,2-	122667	270	-	-	-
33	Ethylbenzene	100414	32,000	-	430	-
86	Fluoranthene	206440	3,980	-	40	16
	Haloethers		360	122	-	-
	Halomethanes		11,000	-	12,000	6,400
89	Hexachlorobutadiene	87683	90	9.3	32	-
90	Hexachlorocyclopentadiene	77474	7	5.2	7	-
91	Hexachloroethane	67721	980	540	940	-
93	Isophorone	78591	117,000	-	12,900	-
94	Naphthalene	91203	2,300	620	2,350	-
95	Nitrobenzene	98953	27,000	-	6,680	-
	Nitrophenols		230	150	4,850	-
26 B	Nitrosamines	35576911	5,850	-	3,300,000	-
	Pentachlorinated ethanes		7,240	1,100	390	281
54	Phenol	108952	10,200	2,560	5,800	-
	Phthalate esters		940	3	2,944	3.4
	Polynuclear Aromatic Hydrocarbons		-	-	300	-
	Tetrachlorinated Ethanes		9,320	-	-	-

TABLE 33C**WATER QUALITY GUIDANCE VALUES SUMMARY (Continued)**

EPA No.	Compound	CAS Number	Freshwater		Saltwater	
			Acute	Chronic	Acute	Chronic
37	Tetrachloroethane 1,1,2,2-	79345	-	2,400	9,020	-
	Tetrachloroethanes		9,320	-	-	-
38	Tetrachloroethylene	127184	5,280	840	10,200	450
	Tetrachlorophenol 2,3,5,6		-	-	-	440
12	Thallium	7440280	1,400	40	2,130	-
39	Toluene	108883	17,500	-	6,300	5,000
	Trichlorinated ethanes		18,000	-	-	-
41	Trichloroethane 1,1,1-	71556	-	-	31,200	-
42	Trichloroethane 1,1,2-	79005	-	9,400	-	-
43	Trichloroethylene	79016	45,000	21,900	2,000	-
55	Trichlorophenol 2,4,6-	88062	-	970	-	-

The following chemicals/compounds/classes are of concern due to the potential for toxic effects to aquatic organisms; however, no guidance values are designated. If these compounds are identified in the waste stream, then a review of the scientific literature may be appropriate for deriving guidance values.

Polybrominated diphenyl ethers (PBDE)

Polybrominated biphenyls (PBB)

Pharmaceuticals

Personal care products

Alkyl Phenols

Other chemicals with Toxic effects

Footnotes:

A Values in Table 33c are applicable to all basins.

B This number was assigned to the list of non-priority pollutants in National Recommended Water Quality Criteria: 2002 (EPA-822-R-02-047).