Water Quality Criteria Selection

Is it a RB4 facility (Y/N)? Y
Hardness (mg/L CaCO3) (1) 100 For Cd, Cr(III), Cu, Pb, Ni, Ag, Zn - not applicable to Se
pH (s.u.) 5.97

Note: DO NOT enter any value for the column that is NOT applicable (i.e., delete criteria if not applicable to receiving water body for the facility).
Note: Numbers in blue have formula in the cells - calculates values automatically. When copying cells in blue, be sure to paste formulas also.

			Basin Plan		CTR Water Quality Criteria (ug/L)													
		Lowest (most stringent) Criteria	Municipal Only		Freshwater		Saltwater		Human Health for consumption of:		**Factors for Metals Freshwater Criteria**				**Conversion Factor (CF)**			
# in CTR	**PRIORITY POLLUTANTS**		**MCI**		**C acute = CMC tot**	**C chronic = CCC tot**	**C acute = CMC tot**	**C chronic = CCC tot**	**Water & organisms**	**Organisms only**	ma	ba	mc	bc	freshwater acute criteria	freshwater chronic criteria	saltwater acute criteria	saltwater chronic criteria
		ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L								
1	Antimony	4300.00								4,300								
2	Arsenic	150.00			340.00	150.00									1	1	1	1
3	Beryllium	No Criteria								Narrative								
4	Cadmium	2.46			4.52	2.46				Narrative	1.1280	-3.6867	0.7852	-2.7150	0.944	0.909	0.994	0.994
5a	Chromium (III)	206.98			1736.51	206.98				Narrative	0.8190	3.6880	0.8190	1.5610	0.316	0.86		
5b	Chromium (VI) or total Cr	11.43			16.29	11.43				Narrative					0.982	0.962	0.993	0.993
6	Copper	9.33			14.00	9.33					0.9422	-1.7000	0.8545	-1.7020	0.96	0.96	0.83	0.83
7	Lead	3.18			81.65	3.18				Narrative	1.2730	-1.4600	1.2730	-4.7050	0.791	0.791	0.951	0.951
8	Mercury	0.051			Reserved	Reserved				0.051								
9	Nickel	52.16			469.17	52.16				4,600	0.8460	2.2550	0.8460	0.0584	0.998	0.997	0.99	0.99
10	Selenium	5.00			20	5				Narrative							0.998	0.998
11	Silver	4.06			4.06						1.7200	-6.5200			0.85		0.85	
12	Thallium	6.30								6.3								
13	Zinc	119.82			119.82	119.82					0.8473	0.8840	0.8473	0.8840	0.978	0.986	0.946	0.946
14	Cyanide	5.20			22.00	5.20				220,000								
15	Asbestos	No Criteria																
16	2,3,7,8-TCDD (Dioxin)	0.000000014								0.000000014								
17	Acrolein	780								780								
18	Acrylonitrile	0.660								0.66								
19	Benzene	71.0								71								
20	Bromoform	360.0								360								
21	Carbon Tetrachloride	4.40								4.4								
22	Chlorobenzene	21000								21,000								
23	Chlordibromomethane	34.00								34								
24	Chloroethane	No Criteria																
25	2-Chloroethylvinyl Ether	No Criteria																
26	Chloroform	No Criteria																
27	Dichlorobromomethane	46.00								46								
28	1,1-Dichloroethane	No Criteria																
29	1,2-Dichloroethane	99.00								99								
30	1,1-Dichloroethylene	3.200								3.2								
31	1,2-Dichloropropane	39.00								39								
32	1,3-Dichloropropylene	1700								1,700								
33	Ethylbenzene	29000								29,000								
34	Methyl Bromide	4000								4,000								
35	Methyl Chloride	No Criteria																
36	Methylene Chloride	1600.0								1,600								
37	1,1,2,2-Tetrachloroethane	11.00								11								
38	Tetrachloroethylene	8.9								8.85								
39	Toluene	200000								200,000								

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		ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L								
40	1,2-Trans-Dichloroethylene	140000								140,000								
41	1,1,1-Trichloroethane	No Criteria																
42	1,1,2-Trichloroethane	42.0								42								
43	Trichloroethylene	81.0								81								
44	Vinyl Chloride	525								525								
45	Chlorophenol	400								400								
46	2,4-Dichlorophenol	790								790								
47	2,4-Dimethylphenol	2300								2,300								
48	2-Methyl-4,6-Dinitrophenol	765.0								765								
49	2,4-Dinitrophenol	14000								14,000								
50	2-Nitrophenol	No Criteria																
51	4-Nitrophenol	No Criteria																
52	3-Methyl-4-Chlorophenol	No Criteria																
53	Pentachlorophenol	2.38			3	2				8.2								
54	Phenol	4600000								4,600,000								
55	2,4,6-Trichlorophenol	6.5								6.5								
56	Acenaphthene	2700								2,700								
57	Acenephthylene	No Criteria																
58	Anthracene	110000								110,000								
59	Benzidine	0.00054								0.00054								
60	Benzo(a)Anthracene	0.0490								0.049								
61	Benzo(a)Pyrene	0.0490								0.049								
62	Benzo(b)Fluoranthene	0.0490								0.049								
63	Benzo(ghi)Perylene	No Criteria																
64	Benzo(k)Fluoranthene	0.0490								0.049								
65	Bis(2-Chloroethoxy)Methane	No Criteria																
66	Bis(2-Chloroethyl)Ether	1.400								1.4								
67	Bis(2-Chloroisopropyl)Ether	170000								170,000								
68	Bis(2-Ethylhexyl)Phthalate	5.9								5.9								
69	4-Bromophenyl Phenyl Ether	No Criteria																
70	Butylbenzyl Phthalate	5200								5,200								
71	2-Chloronaphthalene	4300								4,300								
72	4-Chlorophenyl Phenyl Ether	No Criteria																
73	Chrysene	0.0490								0.049								
74	Dibenzo(a,h)Anthracene	0.0490								0.049								
75	1,2-Dichlorobenzene	17000								17,000								
76	1,3-Dichlorobenzene	2600								2,600								
77	1,4-Dichlorobenzene	2600								2,600								
78	3,3'-Dichlorobenzidine	0.08								0.077								
79	Diethyl Phthalate	120000								120,000								
80	Dimethyl Phthalate	2900000								2,900,000								
81	Di-n-Butyl Phthalate	12000								12,000								
82	2,4-Dinitrotoluene	9.10								9.1								
83	2,6-Dinitrotoluene	No Criteria																
84	Di-n-Octyl Phthalate	No Criteria																
85	1,2-Diphenylhydrazine	0.540								0.54								

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		ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L								
86	Fluoranthene	370								370								
87	Fluorene	14000								14,000								
88	Hexachlorobenzene	0.00077								0.00077								
89	Hexachlorobutadiene	50.00								50								
90	Hexachlorocyclopentadiene	17000								17,000								
91	Hexachloroethane	8.9								8.9								
92	Indeno(1,2,3-cd) Pyrene	0.0490								0.049								
93	Isophorone	600.0								600								
94	Naphthalene	No Criteria																
95	Nitrobenzene	1900								1,900								
96	N-Nitrosodimethylamine	8.10000								8.1								
97	N-Nitrosodi-n-Propylamine	1.400								1.4								
98	N-Nitrosodiphenylamine	16.0								16								
99	Phenanthrene	No Criteria																
100	Pyrene	11000								11,000								
101	1,2,4-Trichlorobenzene	No Criteria																
102	Aldrin	0.00014			3					0.00014								
103	alpha-BHC	0.0130								0.013								
104	beta-BHC	0.046								0.046								
105	gamma-BHC	0.063			0.95					0.063								
106	delta-BHC	No Criteria																
107	Chlordane	0.00059			2.4	0.0043				0.00059								
108	4,4-DDT	0.00059			1.1	0.001				0.00059								
109	4,4-DDE	0.00059								0.00059								
110	4,4-DDD	0.00084								0.00084								
111	Dieldrin	0.00014			0.24	0.056				0.00014								
112	alpha-Endosulfan	0.0560			0.22	0.056				240								
113	beta-Endosulfan	0.0560			0.22	0.056				240								
114	Endosulfan Sulfate	240								240								
115	Endrin	0.0360			0.086	0.036				0.81								
116	Endrin Aldehyde	0.81								0.81								
117	Heptachlor	0.00021			0.52	0.0038				0.00021								
118	Heptachlor Epoxide	0.00011			0.52	0.0038				0.00011								
119-125	PCBs sum (2)	0.00017				0.014				0.00017								
126	Toxaphene	0.0002			0.73	0.0002				0.00075								

Notes:

(1) Receiving body: minimum hardness = XXX mg/L as CaCO3 (to be used to calculate freshwater criteria only)

(2) PCBs sum refers to sum of PCB 1016, 1221, 1232, 1242, 1248, 1254, and 1260