

Proposed Criteria updates for 391-3-6-.03(5)(e)(iv)

# in WQS	Pollutant and CAS #	Current criteria for all designated uses (µg/L)	New criteria for drinking water designated use (µg/L)	New criteria for all other designated uses (µg/L)
1	Acenaphthene (CAS RN ¹ 83329)	990	71	78
3	Acrolein (CAS RN ¹ 107028)	9.3	3.1	330
4	Acrylonitrile (CAS RN ¹ 107131)	0.25	0.18	27
5	Aldrin (CAS RN ¹ 309002)	0.00005	0.0000028	0.0000028
6	Anthracene (CAS RN ¹ 120127)	40000	300	325
9	Benzidine (CAS RN ¹ 92875)	0.0002	0.00043	0.032
10	Benzo(a)Anthracene (CAS RN ¹ 56553)	0.018	0.0049	0.0051
11	Benzo(a)Pyrene (CAS RN ¹ 50328)	0.018	0.00049	0.00051
12	3,4-Benzofluoranthene (CAS RN ¹ 205992)	0.018	0.0049	0.0051
13	Benzene (CAS RN ¹ 71432)	51	1.7 - 3.0	48 - 88
15	Benzo(k)Fluoranthene (CAS RN ¹ 207089)	0.018	0.049	0.051
17	a-BHC-Alpha (CAS RN ¹ 319846)	0.0049	0.0011	0.0012
18	b-BHC-Beta (CAS RN ¹ 319857)	0.017	0.021	0.043
19	Bis(2-Chloroethyl)Ether (CAS RN ¹ 111444)	0.53	0.09	6.7
20	Bis(2-Chloroisopropyl)Ether (CAS RN ¹ 108601)	65000	240	3600
21	Bis(2-Ethylhexyl)Phthalate (CAS RN ¹ 117817)	2.2	1.1	1.5
22	Bromoform (Tribromomethane) (CAS RN ¹ 75252)	140	21	360
23	Butylbenzyl Phthalate (CAS RN ¹ 85687)	1900	0.4	0.4
24	Carbon Tetrachloride (CAS RN ¹ 56235)	1.6	1.3	14
25	Chlorobenzene (CAS RN ¹ 108907)	1600	110	840
26	Chlorodibromomethane (CAS RN ¹ 124481)	13	2.4	63
28	Chlordane (CAS RN ¹ 57749)	0.00081	0.0010	0.0011
29	Chloroform (Trichloromethane) (CAS RN ¹ 67663)	470	61	2300
30	2-Chloronaphthalene (CAS RN ¹ 91587)	1600	880	1200
31	2-Chlorophenol (CAS RN ¹ 95578)	150	30	830
32	Chrysene (CAS RN ¹ 218019)	0.018	0.49	0.51
33	Dibenzo(a,h)Anthracene (CAS RN ¹ 53703)	0.018	0.00049	0.00051
34	Dichlorobromomethane (CAS RN ¹ 75274)	17	2.8	82
35	1,2-Dichloroethane (CAS RN ¹ 107062)	37	30	2000
36	1,1-Dichloroethylene (CAS RN ¹ 75354)	7100	310	16000
37	1,2-Dichloropropane (CAS RN ¹ 78875)	15	2.7	94
38	1,3-Dichloropropylene (CAS RN ¹ 542756)	21	0.8	36
39	2,4-Dichlorophenol (CAS RN ¹ 120832)	290	15	57
40	1,2-Dichlorobenzene (CAS RN ¹ 95501)	1300	1400	3400

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41	1,3-Dichlorobenzene (CAS RN ¹ 541731)	960	7.5	14
42	1,4-Dichlorobenzene (CAS RN ¹ 106467)	190	330	920
43	3,3'-Dichlorobenzidine (CAS RN ¹ 91941)	0.028	0.13	0.45
44	4,4'-DDT (CAS RN ¹ 50293)	0.00022	0.00012	0.00012
45	4,4'-DDD (CAS RN ¹ 72548)	0.00031	0.00042	0.00042
46	4,4'-DDE (CAS RN ¹ 72559)	0.00022	0.000063	0.000063
47	Dieldrin (CAS RN ¹ 60571)	0.000054	0.0000044	0.0000044
48	Diethyl Phthalate (CAS RN ¹ 84662)	44000	550	570
49	Dimethyl Phthalate (CAS RN ¹ 131113)	1100000	1600	1700
50	2,4-Dimethylphenol (CAS RN ¹ 105679)	850	120	2600
51	2,4-Dinitrophenol (CAS RN ¹ 51285)	5300	12	300
52	Di-n-Butyl Phthalate (CAS RN ¹ 84742)	4500	22	23
53	2,4-Dinitrotoluene (CAS RN ¹ 121142)	3.4	0.15	5.15
54	1,2-Diphenylhydrazine (CAS RN ¹ 122667)	0.2	0.1	0.64
55	Endrin (CAS RN ¹ 72208)	0.06	0.032	0.032
56	Endrin Aldehyde (CAS RN ¹ 7421934)	0.3	1.1	1.2
57	alpha-Endosulfan (CAS RN ¹ 959988)	89	18	27
58	beta-Endosulfan (CAS RN ¹ 33213659)	89	23	44
59	Endosulfan Sulfate (CAS RN ¹ 1031078)	89	22	40
60	Ethylbenzene (CAS RN ¹ 100414)	2100	76	130
61	Fluoranthene (CAS RN ¹ 206440)	140	17	18
62	Fluorene (CAS RN ¹ 86737)	5300	60	69
63	Heptachlor (CAS RN ¹ 76448)	0.000079	0.000021	0.000021
64	Heptachlor Epoxide (CAS RN ¹ 1024573)	0.000039	0.00011	0.00011
65	Hexachlorobenzene (CAS RN ¹ 118741)	0.00029	0.00026	0.00026
66	Hexachlorobutadiene (CAS RN ¹ 87683)	18	0.023	0.023
67	Hexachlorocyclopentadiene (CAS RN ¹ 77474)	1100	3.8	4
68	Hexachloroethane (CAS RN ¹ 67721)	3.3	0.36	0.45
69	Indeno(1,2,3-cd)Pyrene (CAS RN ¹ 193395)	0.018	0.0049	0.0051
70	Isophorone (CAS RN ¹ 78591)	960	100	5600
71	Lindane [Hexachlorocyclohexane (g-BHC-Gamma)] (CAS RN ¹ 58899)	1.8	4.3	4.4
72	Methyl Bromide (Bromomethane) (CAS RN ¹ 74839)	1500	120	12000
74	Methylene Chloride (CAS RN ¹ 75092)	590	37	3100
75	2-Methyl-4,6-Dinitrophenol (CAS RN ¹ 534521)	280	1.8	27
76	3-Methyl-4-Chlorophenol (CAS RN ¹ 59507)	**	530	2400

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77	Nitrobenzene (CAS RN ¹ 98953)	690	12	560
82	Pentachlorophenol (CAS RN ¹ 87865)	3	0.073	0.12
84	Phenol (CAS RN ¹ 108952)	857000	3700	270000
85	Pyrene (CAS RN ¹ 129000)	4000	22	23
86	1,1,2,2-Tetrachloroethane (CAS RN ¹ 79345)	4	0.46	8.2
87	Tetrachloroethylene (CAS RN ¹ 127184)	3.3	27	73
89	Toluene (CAS RN ¹ 108883)	5980	56	520
90	Toxaphene (CAS RN ¹ 8001352)	0.00028	0.0022	0.0022
91	1,2-Trans-Dichloroethylene (CAS RN ¹ 156605)	10000	120	3800
92	1,1,2-Trichloroethane (CAS RN ¹ 79005)	16	1.6	27
93	Trichloroethylene (CAS RN ¹ 79016)	30	1.8	21
94	2,4,6-Trichlorophenol (CAS RN ¹ 88062)	2.4	3.6	6.2
95	1,2,4-Trichlorobenzene (CAS RN ¹ 120821)	70	0.22	0.24
96	Vinyl Chloride (CAS RN ¹ 75014)	2.4	0.066	4.9
NEW	1,1,1-Trichloroethane (CAS RN ¹ 71-55-6)		12000	180000
NEW	1,2,4,5-Tetrachlorobenzene (CAS RN ¹ 95-94-3)		0.03	0.03
NEW	2,4,5-Trichlorophenol (CAS RN ¹ 95-95-4)		350	580
NEW	Bis(Chloromethyl) Ether (CAS RN ¹ 542-88-1)		0.00045	0.066
NEW	Chlorophenoxy Herbicide (2,4,5-TP) [Silvex] (CAS RN ¹ 93-72-1)		150	360
NEW	Chlorophenoxy Herbicide (2,4-D) (CAS RN ¹ 94-75-7)		1200	11000
NEW	Cyanide (CAS RN ¹ 57-12-5)		3.7	400
NEW	Methoxychlor (72-43-5)		0.017	0.017
NEW	Dinitrophenols (CAS RN ¹ 25550-58-7)		12	880
NEW	Hexachlorocyclohexane (HCH)-Technical (CAS RN ¹ 608-73-1)		0.017	0.031
NEW	Pentachlorobenzene (CAS RN ¹ 608-93-5)		0.11	0.11

** In the current criteria this pollutant is addressed in 391-3-6-.06. The updated criteria will replace this reference.