

40 C.F.R. § 131.38

Establishment of numeric criteria for priority toxic pollutants for the State of California.

(a) *Scope.* This section promulgates criteria for priority toxic pollutants in the State of California for inland surface waters and enclosed bays and estuaries. This section also contains a compliance schedule provision.

(b)

(1) Criteria for Priority Toxic Pollutants in the State of California as described in the following table:

A		B Freshwater		C Saltwater		D Human health (10-6 risk for carcinogens) for consumption of:	
Number compound	CAS No.	Criterion maximum conc. d (µg/L) B1	Criterion continuous conc. d (µg/L) B2	Criterion maximum conc. d (µg/L) C1	Criterion continuous conc. d (µg/L) C2	Water and organisms (µg/L) D1	Organisms only (µg/L) D2
1. Antimony	7440360					as 14	at 4300
2. Arsenic b	7440382	im w 34.0	im w 150	im 69	im 36		
3. Beryllium	7440417					(n)	(n)
4. Cadmium b	7440439	eim wx 4.3	eim w 2.2	im 42	im 9.3	(n)	(n)
5a. Chromium (III)	16065831	eim o 550	eim o 180			(n)	(n)
5b. Chromium (VI) b	18540299	im w 16	im w 11	im 1100	im 50	(n)	(n)
6. Copper b	7440508	eim wx 13	eim w 9.0	im 4.8	im 3.1	1300	
7. Lead b	7439921	eim z 65	eim z 2.5	im 210	im 8.1	(n)	(n)
8. Mercury b	7439976	[Reserved]	[Reserved]	[Reserved]	[Reserved]	a 0.050	a 0.051
9. Nickel b	7440020	eim w 470	eim w 52	im 74	im 8.2	a 610	a 4600

10. Selenium ^b	7782492	p [Reserved]	q 5.0	im 290	im 71	(n)	(n)
11. Silver ^b	7440224	eim 3.4		im 1.9			
12. Thallium	7440280					as 1.7	at 6.3
13. Zinc ^b	7440666	eim wx 120	eim w 120	im 90	im 81		
14. Cyanide ^b	57125	o 22	o 5.2	rthnsp;1	r 1	a 700	aj 220,000
15. Asbestos	1332214					ks 7,000,000 fibers/l	
16. 2,3,7,8-TCDD (Dioxin)	1746016					c> 0.000000013	c> 0.000000014
17. Acrolein	107028					s> 320	t> 780
18. Acrylonitrile	107131					acs 0.059	act 0.66
19. Benzene	71432					ac 1.2	ac 71
20. Bromoform	75252					ac 4.3	ac 360
21. Carbon Tetrachloride	56235					acs 0.25	act 4.4
22. Chlorobenzene	108907					as 680	ajt 21,000
23. Chlorodibromomethane	124481					acy 0.41	ac 34
24. Chloroethane	75003						
25. 2-Chloroethylvinyl Ether	110758						
26. Chloroform	67663					[Reserved]	[Reserved]
27. Dichlorobromomethane	75274					acy 0.56	ac 46
28. 1,1-Dichloroethane	75343						
29. 1,2-Dichloroethane	107062					acs 0.38	act 99
30. 1,1-Dichloroethylene	75354					acs 0.057	act 3.2
31. 1,2-Dichloropropane	78875					a 0.52	a 39
32. 1,3-Dichloropropylene	542756					as 10	at 1,700
33. Ethylbenzene	100414					as 3,100	at 29,000

34. Methyl Bromide	74839					a 48	a 4,000
35. Methyl Chloride	74873					(n)	(n)
36. Methylene Chloride	75092					a c 4.7	a c 1,600
37. 1,1,2,2-Tetrachloroethane	79345					a c s 0.17	a c t 11
38. Tetrachloroethylene	127184					c s 0.8	c t 8.85
39. Toluene	108883					a 6,800	a 200,000
40. 1,2-Trans-Dichloroethylene	156605					a 700	a 140,000
41. 1,1,1-Trichloroethane	71556					(n)	(n)
42. 1,1,2-Trichloroethane	79005					a c s 0.60	a c t 42
43. Trichloroethylene	79016					c s 2.7	c t 81
44. Vinyl Chloride	75014					c s 2	c t 525
45. 2-Chlorophenol	95578					a 120	a 400
46. 2,4-Dichlorophenol	120832					a s 93	a t 790
47. 2,4-Dimethylphenol	105679					a 540	a 2,300
48. 2-Methyl-4,6-Dinitrophenol	534521					s > 13.4	t > 765
49. 2,4-Dinitrophenol	51285					a s 70	a t 14,000
50. 2-Nitrophenol	88755						
51. 4-Nitrophenol	100027						
52. 3-Methyl-4-Chlorophenol	59507						
53. Pentachlorophenol	87865	fw 19	fw 15	13	7.9	a c 0.28	a c j 8.2
54. Phenol	108952					a 21,000	a j t 4,600,000
55. 2,4,6-Trichlorophenol	88062					a c 2.1	a c 6.5
56. Acenaphthene	83329					a 1,200	a 2,700
57. Acenaphthylene	208968						
58. Anthracene	120127					a 9,600	a 110,000
59. Benzidine	92875					a c s 0.00012	a c t 0.00054

60. Benzo(a)Anthracene	56553					ac 0.0044	ac 0.049
61. Benzo(a)Pyrene	50328					ac 0.0044	ac 0.049
62. Benzo(b)Fluoranthene	205992					ac 0.0044	ac 0.049
63. Benzo(ghi)Perylene	191242						
64. Benzo(k)Fluoranthene	207089					ac 0.0044	ac 0.049
65. Bis(2-Chloroethoxy)Methane	111911						
66. Bis(2-Chloroethyl)Ether	111444					acs 0.031	act 1.4
67. Bis(2-Chloroisopropyl)Ether	108601					a 1,400	at 170,000
68. Bis(2-Ethylhexyl)Phthalate	117817					acs 1.8	act 5.9
69. 4-Bromophenyl Phenyl Ether	101553						
70. Butylbenzyl Phthalate	85687					a 3,000	a 5,200
71. 2-Chloronaphthalene	91587					a 1,700	a 4,300
72. 4-Chlorophenyl Phenyl Ether	7005723						
73. Chrysene	218019					ac 0.0044	ac 0.049
74. Dibenzo(a,h)Anthracene	53703					ac 0.0044	ac 0.049
75. 1,2 Dichlorobenzene	95501					a 2,700	a 17,000
76. 1,3 Dichlorobenzene	541731					400	2,600
77. 1,4 Dichlorobenzene	106467					400	2,600
78. 3,3'-Dichlorobenzidine	91941					acs 0.04	act 0.077
79. Diethyl Phthalate	84662					as 23,000	at 120,000
80. Dimethyl Phthalate	131113					s> 313,000	t> 2,900,000
81. Di-n-Butyl Phthalate	84742					as 2,700	at 12,000
82. 2,4-Dinitrotoluene	121142					cs 0.11	ct 9.1
83. 2,6-Dinitrotoluene	606202						
84. Di-n-Octyl Phthalate	117840						
85. 1,2-Diphenylhydrazine	122667					acs 0.040	act 0.54

86. Fluoranthene	206440					a 300	a 370
87. Fluorene	86737					a 1,300	a 14,000
88. Hexachlorobenzene	118741					ac 0.00075	ac 0.00077
89. Hexachlorobutadiene	87683					acs 0.44	act 50
90. Hexachlorocyclopentadiene	77474					as 240	ajt 17,000
91. Hexachloroethane	67721					acs 1.9	act 8.9
92. Indeno(1,2,3-cd) Pyrene	193395					ac 0.0044	ac 0.049
93. Isophorone	78591					cs 8.4	ct 600
94. Naphthalene	91203						
95. Nitrobenzene	98953					as 17	ajt 1,900
96. N-Nitrosodimethylamine	62759					acs 0.00069	act 8.1
97. N-Nitrosodi-n-Propylamine	621647					a 0.005	a 1.4
98. N-Nitrosodiphenylamine	86306					acs 5.0	act 16
99. Phenanthrene	85018						
100. Pyrene	129000					a 960	a 11,000
101. 1,2,4-Trichlorobenzene	120821						
102. Aldrin	309002	g> 3		g> 1.3		ac 0.00013	ac 0.00014
103. alpha-BHC	319846					ac 0.0039	ac 0.013
104. beta-BHC	319857					ac 0.014	ac 0.046
105. gamma-BHC	58899	w> 0.95		g> 0.16		c> 0.019	c> 0.063
106. delta-BHC	319868						
107. Chlordane	57749	g> 2.4	g> 0.0043	g> 0.09	g> 0.004	ac 0.00057	ac 0.00059
108. 4,4'-DDT	50293	g> 1.1	g> 0.001	g> 0.13	g> 0.001	ac 0.00059	ac 0.00059
109. 4,4'-DDE	72559					ac 0.00059	ac 0.00059
110. 4,4'-DDD	72548					ac 0.00083	ac 0.00084
111. Dieldrin	60571	w> 0.24	w> 0.056	g> 0.71	g> 0.0019	ac 0.00014	ac 0.00014

112. alpha-Endosulfan	959988	g> 0.22	g> 0.056	g> 0.034	g> 0.0087	a 110	a 240
113. beta-Endosulfan	33213659	g> 0.22	g> 0.056	g> 0.034	g> 0.0087	a 110	a 240
114. Endosulfan Sulfate	1031078					a 110	a 240
115. Endrin	72208	w> 0.086	w> 0.036	g> 0.037	g> 0.0023	a 0.76	aj 0.81
116. Endrin Aldehyde	7421934					a 0.76	aj 0.81
117. Heptachlor	76448	g> 0.52	g> 0.0038	g> 0.053	g> 0.0036	ac 0.00021	ac 0.00021
118. Heptachlor Epoxide	1024573	g> 0.52	g> 0.0038	g> 0.053	g> 0.0036	ac 0.00010	ac 0.00011
119-125. Polychlorinated biphenyls (PCBs)			ur> 0.014		ur> 0.03	cv 0.00017	cv 0.00017
126. Toxaphene	8001352	0.73	0.0002	0.21	0.0002	ac 0.00073	ac 0.00075
Total Number of Criteria ^{hr} >		22	21	22	20	92	90

Footnotes to Table in Paragraph (b)(1):

^a Criteria revised to reflect the Agency q1* or RfD, as contained in the Integrated Risk Information System (IRIS) as of October 1, 1996. The fish tissue bioconcentration factor (BCF) from the 1980 documents was retained in each case.

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