

**CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION**

**ENCLOSURE B:
MINIMUM LEVELS (MLS) FOR USE IN REPORTING AND COMPLIANCE DETERMINATION PURPOSES IN
ACCORDANCE WITH SECTION 2.4 OF THE STATE IMPLEMENTATION POLICY (SIP)**

CTR ¹ NO.	NAME OF CONSTITUENT	MOST STRINGENT AQUATIC LIFE CRITERIA ² , µg/L	MOST STRINGENT HUMAN HEALTH CRITERIA ³ , µg/L	MINIMUM LEVEL (ML) SELECTION ⁴ (µg/L)											
				GC	GCMS	LC	COLOR	FAA	GFAA	ICP	ICPMS	SPGFAA	HYDRIDE	CVAA	DCP
	Volatile Substances														
28	1,1 Dichloroethane			0.5	1										
30	1,1 Dichloroethene		0.057	0.5	2										
41	1,1,1 Trichloroethane			0.5	2										
42	1,1,2 Trichloroethane		0.60	0.5	2										
37	1,1,2,2 Tetrachloroethane		0.17	0.5	1										
29	1,2 Dichloroethane		0.38	0.5	2										
31	1,2 Dichloropropane		0.52	0.5	1										
32	1,3 Dichloropropene		10	0.5	2										
17	Acrolein		320	2.0	5										
18	Acrylonitrile		0.059	2.0	2										
19	Benzene		1.2	0.5	2										
20	Bromoform		4.3	0.5	2										
34	Bromomethane		48	1.0	2										
21	Carbon Tetrachloride		0.25	0.5	2										
22	Chlorobenzene		680	0.5	2										
23	Chlorodibromomethane		0.41	0.5	2										
24	Chloroethane			0.5	2										
26	Chloroform		[Reserved]	0.5	2										
35	Chloromethane			0.5	2										
27	Dichlorobromomethane		0.56	0.5	2										
36	Dichloromethane		4.7	0.5	2										
33	Ethylbenzene		3100	0.5	2										
38	Tetrachloroethene		0.8	0.5	2										
39	Toluene		6800	0.5	2										
40	Trans-1, 2 Dichloroethylene		700	0.5	1										
43	Trichloroethene		2.7	0.5	2										
44	Vinyl Chloride		2	0.5	2										

¹ California Toxics Rule (CTR) Compound Number

² CTR Aquatic Life Criteria for Receiving Water Bodies (the more stringent of saltwater or freshwater criteria is shown at hardness of 100 mg/L of CaCO₃)

³ CTR Human Health Criteria for Receiving Water Bodies

⁴ When there is more than one Minimum Level (ML) value for a given substance, the discharger shall select any one of the cited analytical methods for compliance determination

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				GC	GCMS	LC	COLOR	FAA	GFAA	ICP	ICPMS	SPGFAA	HYDRIDE	CVAA	DCP	
	Semi-Volatiles															
60	1,2 Benzanthracene		0.0044	10	5											
75	1,2 Dichlorobenzene		2700	2	2											
85	1,2 Diphenylhydrazine		0.040		1											
101	1,2,4 Trichlorobenzene			1	5											
76	1,3 Dichlorobenzene		400	2	1											
77	1,4 Dichlorobenzene		400	2	1											
45	2 Chlorophenol		120	2	5											
46	2,4 Dichlorophenol		93	1	5											
47	2,4 Dimethylphenol		540	1	2											
49	2,4 Dinitrophenol		70	5	5											
82	2,4 Dinitrotoluene		0.11		5											
55	2,4,6 Trichlorophenol		2.1	10	10											
83	2,6 Dinitrotoluene				5											
50	2-Nitrophenol				10											
25	2-Chloroethyl vinyl ether			1	1											
71	2-Chloronaphthalene		1700		10											
78	3,3 Dichlorobenzidine		0.04		5											
62	3,4 Benzofluoranthene		0.0044		10	10										
52	4 Chloro-3-methylphenol			5	1											
48	4,6 Dinitro-2methylphenol		13.4	10	5											
51	4-Nitrophenol			5	10											
69	4-Bromophenyl phenyl ether			10	5											
72	4-Chlorophenyl phenyl ether				5											
56	Acenaphthene		1200	1	1	0.5										
57	Acenaphthylene				10	0.2										
58	Anthracene		9600		10	2										
59	Benzidine		0.00012		5											
61	3,4 Benzopyrene		0.0044		10	2										
63	Benzo (g, h, l) perylene				5	0.1										
64	Benzo (k) fluoranthene		0.0044		10	2										
65	Bis 2 methane				5											
66	Bis (2-chloroethyl) ether		0.031	10	1											
67	Bis (2-Chloroisopropyl) ether		1400	10	2											
68	Bis (2-Ethylhexyl) phthalate		1.8	10	5											
70	Butylbenzyl phthalate		3000	10	10											

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				GC	GCMS	LC	COLOR	FAA	GFAA	ICP	ICPMS	SPGFAA	HYDRIDE	CVAA	DCP	
	Semi-Volatile Cont'															
73	Chrysene		0.0044		10	5										
81	di-n-Butyl phthalate		2700		10											
84	di-n-Octyl phthalate				10											
74	Dibenzo (a, h)-anthracene		0.0044		10	0.1										
79	Diethyl phthalate		23000	10	2											
80	Dimethyl phthalate		313000	10	2											
86	Fluoranthene		300	10	1	0.05										
87	Fluorene		1300		10	0.1										
90	Hexachlorocyclopentadiene		240	5	5											
88	Hexachlorobenzene		0.00075	5	1											
89	Hexachlorobutadiene		0.44	5	1											
91	Hexachloroethane		1.9	5	1											
92	Indeno (1,2,3,cd)-pyrene		0.0044		10	0.05										
93	Isophorone		8.4	10	1											
98	N-Nitrosodiphenylamine		5.0	10	1											
96	N-Nitrosodimethylamine		0.00069	10	5											
97	N-Nitrosodi-n-propylamine		0.005	10	5											
94	Naphthalene			10	1	0.2										
95	Nitrobenzene		17	10	1											
53	Pentachlorophenol	7.9	0.28	1	5											
99	Phenanthrene				5	0.05										
54	Phenol ⁵		21000	1	1		50									
100	Pyrene		960		10	0.05										

⁵ Phenol by colorimetric technique has a factor of 1

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				GC	GCMS	LC	COLOR	FAA	GFAA	ICP	ICPMS	SPGFAA	HYDRIDE	CVAA	DCP
	Inorganics														
1	Antimony		14					10	5	50	0.5	5	0.5		1000
2	Arsenic	36					20		2	10	2	2	1		1000
3	Beryllium							20	0.5	2	0.5	1			1000
4	Cadmium	2.2						10	0.5	10	0.25	0.5			1000
5a	Chromium (III)	180						50	2	10	0.5	1			1000
5b	Chromium (VI)	11					10	5							
6	Copper	3.1	1300					25	5	10	0.5	2			1000
14	Cyanide	1	700				5								
7	Lead	2.5						20	5	5	0.5	2			10000
8	Mercury	[Reserved]	0.050								0.5			0.2	
9	Nickel	8.2	610					50	5	20	1	5			1000
10	Selenium	5							5	10	2	5	1		1000
11	Silver	1.9						10	1	10	0.25	2			1000
12	Thallium		1.7					10	2	10	1	5			1000
13	Zinc	81						20		20	1	10			1000
15	Asbestos		7,000,000 fibers/L												
	Pesticides - PCBs														
110	4,4' - DDD		0.00083	0.05											
109	4,4' - DDE		0.00059	0.05											
108	4,4' - DDT	0.001	0.00059	0.01											
112	alpha-Endosulfan	0.0087	110	0.02											
103	a-Hexachlorocyclohexane		0.0039	0.01											
102	Aldrin	1.3	0.00013	0.005											
113	beta-Endosulfan	0.0087	110	0.01											
104	b-Hexachlorocyclohexane		0.014	0.005											
107	Chlordane	0.004	0.00057	0.1											
106	d-Hexachlorocyclohexane (delta-BHC)			0.005											
111	Dieldrin	0.0019	0.00014	0.01											
114	Endosulfan Sulfate		110	0.05											
115	Endrin	0.0023	0.76	0.01											
116	Endrin Aldehyde		0.76	0.01											
117	Heptachlor	0.0036	0.00021	0.01											
118	Heptachlor Epoxide	0.0036	0.00010	0.01											
105	Lindane (gamma-BHC)	0.16	0.019	0.02											
119-125	Polychlorinated biphenyls (PCB 1016, 1221, 1232, 1242, 1248, 1254, and 1260)	0.014	0.00017	0.5											
126	Toxaphene	0.0002	0.00073	0.5											

Techniques:

GC - Gas Chromatography

GCMS - Gas Chromatography / Mass Spectrometry

LC - High Pressure Liquid Chromatography

Color - Colorimetric

FAA - Flame Atomic Absorption

GFAA - Graphite Furnace Atomic Absorption

ICP - Inductively Coupled Plasma

ICPMS - Inductively Coupled Plasma / Mass Spectrometry

SPGFAA - Stabilized Platform Graphite Furnace Atomic Absorption (i.e., EPA 200.9)

HYDRIDE - Gaseous Hydride Atomic Absorption

CVAA - Cold Vapor Atomic Absorption

DCP - Direct Current Plasma