

**ATTACHMENT D
PRIORITY TOXIC POLLUTANTS**

VOLATILE ORGANICS						
CTR #	Chemical Constituent	CAS Number	Basis	Daily Maximum Effluent Limit (µg/L or noted)	Respective Minimum Level (ML) ^A , (µg/L)	Acceptable Analytical Methods ^B
28	1,1 Dichloroethane	75343	Primary MCL	5	0.5, 1	GC, GCMS
30	1,1 Dichloroethene	75354	California Toxics Rule	0.057	0.5	GC
41	1,1,1 Trichloroethane	71556	Primary MCL	200	0.5, 2	GC, GCMS
42	1,1,2 Trichloroethane	79005	California Toxics Rule	0.6	0.5	GC
37	1,1,2,2 Tetrachloroethane	79345	California Toxics Rule	0.17	0.5	GC
75	1,2 Dichlorobenzene	95501	Secondary MCL	10	0.5, 2	GC, GCMS
29	1,2 Dichloroethane	107062	California Toxics Rule	0.38	0.5	GC
31	1,2 Dichloropropane	78875	California Toxics Rule	0.52	0.5	GC
76	1,3 Dichlorobenzene	541731	California Toxics Rule	400	0.5, 2	GC, GCMS
32	1,3 Dichloropropene	542756	Primary MCL	0.5	0.5, 2	GC, GCMS
77	1,4 Dichlorobenzene	106467	Primary MCL	5	0.5, 2	GC, GCMS
17	Acrolein	107028	National Ambient Water Quality Criteria	21	2, 5	GC, GCMS
18	Acrylonitrile	107131	California Toxics Rule	0.059	2, 2	GC, GCMS
19	Benzene	71432	Primary MCL	1	0.5	GC
20	Bromoform	75252	California Toxics Rule	4.3	0.5, 2	GC, GCMS
34	Methyl Bromide	74839	California Toxics Rule	48	1, 2	GC, GCMS
21	Carbon Tetrachloride	56235	California Toxics Rule	0.25	0.5	GC
22	Chlorobenzene	108097	Primary MCL	70	0.5, 2	GC, GCMS
23	Chlorodibromomethane	124481	California Toxics Rule	0.401	0.5	GC
24	Chloroethane	75003	Primary MCL	300	0.5, 2	GC, GCMS
25	2-Chloroethyl vinyl ether	110758	No Criteria Available		1, 1	GC, GCMS
26	Chloroform	67663	National Ambient Water Quality Criteria	5.7	0.5, 2	GC, GCMS
35	Chloromethane	74873	USEPA Health Advisory	3	0.5, 2	GC, GCMS
27	Dichlorobromo-methane	75274	California Toxics Rule	0.56	0.5	GC
36	Dichloromethane	75092	California Toxics Rule	4.7	0.5, 2	GC, GCMS
33	Ethylbenzene	100414	Primary MCL	300	0.5, 2	GC, GCMS
38	Tetrachloroethene	127184	California Toxics Rule	0.8	0.5	GC
39	Toluene	108883	Primary MCL	150	0.5, 2	GC, GCMS
40	Trans-1,2 Dichloroethylene	156605	Primary MCL	10	0.5	GC
43	Trichloroethene	79016	California Toxics Rule	2.7	0.5, 2	GC, GCMS
44	Vinyl Chloride	75014	Primary MCL	0.5	0.5, 2	GC, GCMS

SEMI-VOLATILE ORGANICS						
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60	1,2 Benzantrhacene	56553	California Toxics Rule	0.0044	5	GCMS
85	1,2 Diphenylhydrazine	122667	California Toxics Rule	0.04	1	GCMS
101	1,2,4 Trichlorobenzene	120821	Public Health Goal	5	1, 5	GC, GCMS
45	2 Chlorophenol	95578	California Toxics Rule	120	2, 5	GC, GCMS
46	2,4 Dichlorophenol	120832	California Toxics Rule	93	1, 5	GC, GCMS
47	2,4 Dimethylphenol	105679	CA Notification Level (DHS)	100	1, 2	GC, GCMS
49	2,4 Dinitrophenol	51285	California Toxics Rule	70	5, 5	GC, GCMS
82	2,4 Dinitrotoluene	121142	California Toxics Rule	0.11	5	GCMS
55	2,4,6 Trichlorophenol	88062	California Toxics Rule	2.1	10, 10	GC, GCMS
83	2,6 Dinitrotoluene	606202	National Ambient Water Quality Criteria	230	5	GCMS
50	2-Nitrophenol	25154557	National Ambient Water Quality Criteria	150 ^{C2}	10	GCMS
71	2-Chloronaphthalene	91587	National Ambient Water Quality Criteria	1600 ^{C3} , 7.5 ^F	10	GCMS
78	3,3' Dichlorobenzidine	91941	California Toxics Rule	0.04	5	GCMS
62	3,4 Benzofluoranthene	205992	California Toxics Rule	0.0044	10, 10	GCMS, LC
52	4 Chloro-3-methylphenol	59507	National Ambient Water Quality Criteria	30	5, 1	GC, GCMS
48	4,6 Dinitro-2-methylphenol	534521	National Ambient Water Quality Criteria	13.4	5	GCMS
51	4-Nitrophenol	100027	National Ambient Water Quality Criteria	150	5, 10	GC, GCMS
69	4-Bromophenyl phenyl ether	101553	National Ambient Water Quality Criteria	122 ^{C1}	10, 5	GC, GCMS
72	4-Chlorophenyl phenyl ether	7005723	National Ambient Water Quality Criteria	122 ^{C1}	5	GCMS
56	Acenaphthene	83329	National Ambient Water Quality Criteria	520, 500 ^F	1, 1, 0.5	GC, GCMS, LC
57	Acenaphthylene	208968	National Ambient Water Quality Criteria	300 ^F	10, 0.2	GCMS, LC
58	Anthracene	120127	California Toxics Rule	9600	10, 2	GCMS, LC
59	Benzidine	92875	California Toxics Rule	0.00012	5	GCMS
61	Benzo(a)pyrene (3,4 Benzopyrene)	50328	California Toxics Rule	0.0044	2	LC
63	Benzo(g,h,i)perylene	191242	National Ambient Water Quality Criteria	300 ^F	5, 0.1	GCMS, LC
64	Benzo(k)fluoranthene	207089	California Toxics Rule	0.0044	2	LC
65	Bis (2-Chloroethoxyl) methane	111911	No Criteria Available		5	GCMS
66	Bis(2-chloroethyl) ether	111444	California Toxics Rule	0.031	1	GCMS
67	Bis(2-chloroisopropyl) ether	39638329	National Ambient Water Quality Criteria	122 ^{C1}	10, 2	GC, GCMS
68	Bis(2-Ethylhexyl) phthalate	117817	California Toxics Rule	1.8	5	GCMS
70	Butyl benzyl phthalate	85687	Central Coast Water Board's (CCWB's) Basin Plan	2 ^{C4}	10, 10	GC, GCMS
73	Chrysene	218019	California Toxics Rule	0.0044	5	LC
81	Di-n-butylphthalate	84742	CCWB's Basin Plan	2 ^{C4}	10	GCMS
84	Di-n-octylphthalate	117840	CCWB's Basin Plan	2 ^{C4}	10	GCMS
74	Dibenzo(a,h)-anthracene	53703	California Toxics Rule	0.0044	0.1	LC
79	Diethyl phthalate	84662	CCWB's Basin Plan	2 ^{C4}	10, 2	GC, GCMS
80	Dimethyl phthalate	131113	CCWB's Basin Plan	2 ^{C4}	10, 2	GC, GCMS
86	Fluoranthene	206440	California Toxics Rule	300	10, 1, 0.05	GC, GCMS, LC
87	Fluorene	86737	California Toxics Rule	1300	10, 0.1	GCMS, LC
90	Hexachlorocyclopentadiene	77474	National Ambient Water Quality Criteria	5.2	5, 5	GC, GCMS
88	Hexachlorobenzene	118741	California Toxics Rule	0.00075	1	GCMS
89	Hexachlorobutadiene	87683	California Toxics Rule	0.44	1	GCMS
91	Hexachloroethane	67721	California Toxics Rule	1.9	1	GCMS
92	Indeno(1,2,3-cd)pyrene	193395	California Toxics Rule	0.0044	0.05	LC
93	Isophorone	78591	California Toxics Rule	8.4	1	GCMS
98	N-Nitrosodiphenylamine	86306	California Toxics Rule	5	1	GCMS
96	N-Nitrosodimethylamine	62759	California Toxics Rule	0.00069	5	GCMS
97	N-Nitrosodi-n-propylamine	621647	California Toxics Rule	0.005	5	GCMS
94	Naphthalene	91203	Taste and Odor	21	10, 1, 0.2	GC, GCMS, LC
95	Nitrobenzene	98953	California Toxics Rule	17	10, 1	GC, GCMS
53	Pentachlorophenol	87865	California Toxics Rule	0.28	1	GC
99	Phenanthrene	85108	National Ambient Water Quality Criteria	300 ^{C5,F}	5, 0.05	GCMS, LC
54	Phenol	108352	CCWB's Basin Plan	1	1, 1, 50	GC, GCMS, COLOR
100	Pyrene	129000	California Toxics Rule	960	10, 0.05	GCMS, LC

PESTICIDES						
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110	4,4'-DDD	72548	California Toxics Rule	0.00083	0.05	GC
109	4,4'-DDE	72559	California Toxics Rule	0.00059	0.05	GC
108	4,4'-DDT	50293	California Toxics Rule	0.00059	0.01	GC
112	alpha-Endosulfan	959988	California Toxics Rule	0.056 ^{CB} , 0.0087 ^{CB,F}	0.02	GC
103	alpha-BHC	319846	California Toxics Rule	0.0039	0.01	GC
102	Aldrin	309002	California Toxics Rule	0.00013	0.005	GC
113	beta-Endosulfan	33213659	California Toxics Rule	0.056 ^{CB} , 0.0087 ^{CB,F}	0.01	GC
104	beta-BHC	319857	California Toxics Rule	0.014	0.005	GC
107	Chlordane	57749	California Toxics Rule	0.00057	0.1	GC
106	delta-BHC	319868	No Criteria Available		0.005	GC
111	Dieldrin	60571	California Toxics Rule	0.00014	0.01	GC
114	Endosulfan Sulfate	1031078	National Ambient Water Quality Criteria	0.056, 0.0087 ^F	0.005	GC
115	Endrin	72208	California Toxics Rule	0.036, 0.0023 ^F	0.01	GC
116	Endrin Aldehyde	7421934	California Toxics Rule	0.76	0.01	GC
117	Heptachlor	76448	California Toxics Rule	0.00021	0.01	GC
118	Heptachlor Epoxide	1024573	California Toxics Rule	0.0001	0.01	GC
105	Lindane (gamma-BHC)	58899	California Toxics Rule	0.019	0.02	GC
119	PCB 1016	12674112	California Toxics Rule	0.0001 ^{CT}	0.5	GC
120	PCB 1221	11104282	California Toxics Rule	0.00017 ^{CT}	0.5	GC
121	PCB 1232	11141165	California Toxics Rule	0.00017 ^{CT}	0.5	GC
122	PCB 1242	53469219	California Toxics Rule	0.00017 ^{CT}	0.5	GC
123	PCB 1248	12672296	California Toxics Rule	0.00017 ^{CT}	0.5	GC
124	PCB 1254	11097691	California Toxics Rule	0.00017 ^{CT}	0.5	GC
125	PCB 1260	11096825	California Toxics Rule	0.00017 ^{CT}	0.5	GC
126	Toxaphene	8001352	California Toxics Rule	0.0002	0.5	GC
16	2,3,7,8-TCDD (Dioxin)	1746016	California Toxics Rule	1.30E-08	5.00E-06	GC

INORGANICS						
CTR #	Chemical Constituents	CAS Number	Basis	Daily Maximum Effluent Limit ($\mu\text{g/L}$ or noted)	Respective Minimum Level (ML) ^A , ($\mu\text{g/L}$)	Acceptable Analytical Methods ^B
1	Antimony	7440360	Primary MCL	6	10, 5, 0.5, 5, 0.5	FAA, GFAA, ICPMS, SPGFAA, HYDRIDE
2	Arsenic	7440382	Primary MCL	10	2, 10, 2, 2, 1	GFAA, ICP, ICPMS, SPGFAA
15	Asbestos	1332214	California Toxics Rule	7 MFL ^D	0.2 MFL > 10 μm in length ^D	TEM
3	Beryllium	7440417	Primary MCL	4	20, 0.5, 2, 0.5, 1, 1000	FAA, GFAA, ICP, ICPMS, SPGFAA, DCP
4	Cadmium	7440439	California Toxics Rule / CCWB's Basin Plan	2.2 ^G / 0.2 ^E	0.5, 0.25, 0.5	GFAA, ICPMS, SPGFAA
5a	Chromium III	7440473	Primary MCL	50 ^H	50, 2, 10, 0.5, 1	FAA, GFAA, ICP, ICPMS, SPGFAA
5b	Chromium VI	18540299	California Toxics Rule	10	5, 10	FAA, COLOR
6	Copper	7440508	California Toxics Rule	9 ^G , 3.1 ^{F,G}	5, 0.5, 2	GFAA, ICPMS, SPGFAA
14	Cyanide	57125	California Toxics Rule	5.2 ^G , 1 ^{F,G}	5	COLOR
7	Lead	7439921	California Toxics Rule	2.5 ^G	0.5, 2	ICPMS, SPGFAA
8	Mercury	7439976	California Toxics Rule	0.050	0.0005	CVAA
9	Nickel	7440020	California Toxics Rule / CCWB's Basin Plan	52 ^G / 2 ^{E1}	50, 5, 20, 1, 5	FAA, GFAA, ICP, ICPMS, SPGFAA
10	Selenium	7782492	California Toxics Rule	5	5, 2, 5, 1	GFAA, ICPMS, SPGFAA, HYDRIDE
11	Silver	7440224	California Toxics Rule	3.4 ^G , 1.9 ^{F,G}	1, 0.25, 2	GFAA, ICPMS, SPGFAA
12	Thallium	7440280	California Toxics Rule	1.7	1	ICPMS
13	Zinc	7440666	California Toxics Rule / CCWB's Basin Plan	120 ^G / 20 ^E	20, 20, 1, 10	FAA, ICP, ICPMS, SPGFAA

NOTES:

- A. The ML value represents the lowest quantifiable concentration in a sample based on the proper application of all method-based analytical procedures and the absence of any matrix interference. Discharger shall instruct laboratories to establish calibration standards so that the ML value (or its equivalent) is the lowest calibration standard. At no time is the Discharger to use analytical data derived from extrapolation beyond the lowest point of the calibration curve.
- B. For each constituent the Discharger may select one of the indicated analytical methods, which are described in 40 CFR 136.3. The abbreviations refer to the following:
1. GC..... Gas Chromatography
 2. GCMS Gas Chromatography/Mass Spectrometry
 3. LC..... High Pressure Liquid Chromatography
 4. FAA Flame Atomic Absorption
 5. GFAA Graphite Furnace Atomic Absorption
 6. Hydride..... Gaseous Hydride Atomic Absorption
 7. CVAA Cold Vapor Atomic Absorption
 8. ICP Inductively Coupled Plasma
 9. ICPMS..... Inductively Coupled Plasma/Mass Spectrometry
 10. SPGFAA..... Stabilized Platform Graphite Furnace Atomic Absorption
 11. DCP..... Direct Current Plasma
 12. TEM..... Transmission Electron Microscopy
 13. COLOR Colorimetric
- C. Indicate a regulatory decision that the cited concentration is either necessary or sufficient for full protection of beneficial uses or indicate meaning of uncommon acronyms
- C₁ – For haloethers
C₂ – For nitrophenols
C₃ – For chlorinated naphthalenes
C₄ – For phthalate esters
C₅ – For polynuclear aromatic hydrocarbons
C₆ – Criteria for sum of alpha and beta forms
C₇ – Criteria for sums of all PCBs
- D. MFL is defined as Million Fibers per Liter in the measurement of asbestos in water (EPA Method 600/R-93/116). Its detection limits are at 0.2 MFL of length greater than 10 microns
- E. Criteria for protection of Marine Habitat Beneficial Use (CCWB's Basin Plan)
- E₁ – value cited as objective pertains to nickel salts (not pure metallic nickel)
- F. Criteria only applies to discharges to saltwater inland surface waters, enclosed bays, and estuaries.
- G. Criteria values for metals are expressed as a function of a total hardness of 100 mg/L
- H. For total Chromium