

US EPA ARCHIVE DOCUMENT

eled Exit Levels and Universal Treatment Standards

CAS	NAME	Wastewater		Nonwastewater	
		Exit Level (mg/l)	UTS (mg/l)	Exit Level (mg/kg)	UTS (mg/kg)
83-32-9	Acenaphthene	31	0.059	9500	3.4
67-64-1	Acetone	16	0.28	17000	160
75-05-8	Acetonitrile	0.78	5.6	920	*1.8
98-86-2	Acetophenone	17	0.01	1200	9.7
107-02-8	Acrolein	eqc	0.29		
107-13-1	Acrylonitrile	eqc	0.24	0.96	84
107-05-1	Allyl chloride	0.074	0.36	260	30
62-53-3	Aniline	0.053	0.81	4	14
7440-36-0	Antimony	0.14	1.9	9	
7440-38-2	Arsenic	eqc	1.4	eqc	
7440-39-3	Barium	33	1.2	2100	
56-55-3	Benz(a)anthracene	0.00072	0.059	0.1	3.4
71-43-2	Benzene	0.018	0.14	110	10
50-32-8	Benzo(a)pyrene	0.0023	0.061	0.23	3.4
205-99-2	Benzo(b)fluoranthene	0.00081	0.11	4	6.8
7440-41-7	Beryllium	0.00083	0.82	eqc	
39638-32-9	Bis (2-chloroisopropyl) ether	0.007	0.055	0.94	7.2
111-44-4	Bis(2-chlorethyl)ether	0.00065	0.033	0.12	6
117-81-7	Bis(2-ethylhexyl)phthalate	0.00044	0.28	230	28
75-27-4	Bromodichloromethane	0.0085	0.35	19	15
75-25-2	Bromoform (Tribromomethane)	0.064	0.63	170	15
71-36-3	Butanol	16	5.6	18000	2.6
88-85-7	Butyl-4,6-dinitrophenol, 2-sec- (Dinoseb)	0.19	0.066	770	2.5
85-68-7	Butylbenzylphthalate	240	0.017	87	28
7440-43-9	Cadmium	0.24	0.69	14	
75-15-0	Carbon disulfide	0.74	3.8	330	
56-23-5	Carbon tetrachloride	0.012	0.057	9	6
57-74-9	Chlordane	eqc	0.0033	0.0098	0.26
126-99-8	Chloro-1,3-butadiene, 2- (Chloroprene)	0.52	0.057	290	0.28
106-47-8	Chloroaniline, p-	0.42	0.46	140	16
108-90-7	Chlorobenzene	2	0.057	2500	6
510-15-6	Chlorobenzilate	0.054	0.1		
124-48-1	Chlorodibromomethane	0.0066	0.057	28	15
67-66-3	Chloroform	0.0076	0.046	7	6
95-57-8	Chlorophenol, 2-	0.9	0.044	100	5.7
7440-47-3	Chromium	1	2.77	10	
218-01-9	Chrysene	0.1	0.059	35	3.4
108-39-4	Cresol, m-	8	0.77	22000	5.6
95-48-7	Cresol, o-	8	0.11	27000	5.6
106-44-5	Cresol, p-	0.84	0.77	2600	5.6
72-54-8	DDD	0.00013	0.023	0.0065	0.087
72-55-9	DDE	eqc	0.031	0.00094	0.087
50-29-3	DDT	eqc	0.0039	0.0032	0.087
84-74-2	Di-n-butyl phthalate	230	0.057	90000	28
117-84-0	Di-n-octyl phthalate	0.002	0.017	4500	28
96-12-8	Dibromo-3-chloropropane, 1,2-	0.00066	0.11	0.66	15
95-50-1	Dichlorobenzene, 1,2-	15	0.088	50000	6
106-46-7	Dichlorobenzene, 1,4-	0.056	0.09	64	6

75-71-8	Dichlorodifluoromethane	15	0.23	8100	7.2
75-34-3	Dichloroethane, 1,1-	0.00016	0.059	24	6
107-06-2	Dichloroethane, 1,2-	0.00016	0.21	6	6
75-35-4	Dichloroethylene, 1,1-	0.00059	0.025	3	6
156-60-5	Dichloroethylene, trans-1,2-	3	0.054	14000	30
120-83-2	Dichlorophenol, 2,4-	0.62	0.044	770	14
94-75-7	Dichlorophenoxyacetic acid, 2,4- (2,4-D)	2	0.72	3100	10
78-87-5	Dichloropropane, 1,2-	0.023	0.85	17	18
10061-01-5	Dichloropropene, cis-1,3-	0.0049	0.036	3	18
10061-02-6	Dichloropropene, trans-1,3-	0.0049	0.036	3	18
60-57-1	Dieldrin	0.000059	0.017	0.0018	0.13
84-66-2	Diethyl phthalate	190	0.2	4500	28
131-11-3	Dimethyl phthalate	78	0.047	3	28
105-67-9	Dimethylphenol, 2,4-	4	0.036	11000	14
51-28-5	Dinitrophenol, 2,4-	0.27	0.12	56	160
121-14-2	Dinitrotoluene, 2,4-	0.29	0.32	210	140
606-20-2	Dinitrotoluene, 2,6-	0.17	0.55	86	28
123-91-1	Dioxane, 1,4-	0.042	*NA	13	170
122-39-4	Diphenylamine	15	0.92	12000	13
298-04-4	Disulfoton	0.013	0.017	43	6.2
72-20-8	Endrin	0.073	0.0028	0.26	0.13
141-78-6	Ethyl acetate	390	0.34	270000	33
60-29-7	Ethyl ether	27	0.12	41000	160
97-63-2	Ethyl methacrylate	24	0.14	3400	160
100-41-4	Ethylbenzene	39	0.057	550000	10
206-44-0	Fluoranthene	28	0.068	6000	3.4
86-73-7	Fluorene	22	0.059	90000	3.4
76-44-8	Heptachlor	eqc	0.0012	8	0.066
1024-57-3	Heptachlor epoxide	0.00053	0.016	0.026	0.066
87-68-3	Hexachloro-1,3-butadiene	0.0079	0.055	36	5.6
118-74-1	Hexachlorobenzene	eqc	0.055	eqc	10
319-84-6	Hexachlorocyclohexane, alpha- (alpha-BHC)	0.00014	0.00014	0.033	0.066
319-85-7	Hexachlorocyclohexane, beta- (beta-BHC)	0.00044	0.00014	0.12	0.066
58-89-9	Hexachlorocyclohexane, gamma- (Lindane)	0.00078	0.0017	0.1	0.066
77-47-4	Hexachlorocyclopentadiene	0.0052	0.057	1500	2.4
67-72-1	Hexachloroethane	0.049	0.055	81	30
193-39-5	Indeno(1,2,3-cd) pyrene	0.0029	0.0055	4	3.4
78-83-1	Isobutyl alcohol	39	5.6	55000	170
7439-92-1	Lead	30	0.69	570	
7439-97-6	Mercury	0.3	0.15	0.6	
126-98-7	Methacrylonitrile	0.016	0.24		
67-56-1	Methanol	78	5.6	140000	
72-43-5	Methoxychlor	7	0.25	19	0.18
74-83-9	Methyl bromide (Bromomethane)	0.37	0.11	500	15
74-87-3	Methyl chloride (Chloromethane)	0.096	0.19	91	30
78-93-3	Methyl ethyl ketone	78	0.28	110000	36
108-10-1	Methyl isobutyl ketone	8	0.14	17000	33
80-62-6	Methyl methacrylate	28	0.14	40000	160
298-00-0	Methyl parathion	0.66	0.014	1	4.6
74-95-3	Methylene bromide	2	0.11	8400	15
75-09-2	Methylene chloride	0.039	0.089	310	30
86-30-6	N-Nitrosodiphenylamine	0.2	0.92	1300	13
930-55-2	N-Nitrosopyrrolidine	eqc	0.013	0.053	35
91-20-3	Naphthalene	14	0.059	120000	5.6

7440-02-0	Nickel	11	3.98	110	
98-95-3	Nitrobenzene	0.084	0.068	45	14
924-16-3	Nitrosodi-n-butylamine			0.094	17
56-38-2	Parathion	3	0.014	0.13	4.6
608-93-5	Pentachlorobenzene	5	0.055	210	10
82-68-8	Pentachloronitrobenzene (PCNB)	0.081	0.055	11	4.8
87-86-5	Pentachlorophenol	0.002	0.089	3	7.4
108-95-2	Phenol	84	0.039	160000	6.2
298-02-2	Phorate	0.11	0.021	160	4.6
1336-36-3	Polychlorinated biphenyls	eqc	0.1	eqc	10
23950-58-5	Pronamide	21	0.093	440	1.5
129-00-0	Pyrene	54	0.067	16000	8.2
110-86-1	Pyridine	0.16	0.014	810	16
94-59-7	Safrole	0.0035	0.081	11	0.16
7782-49-2	Selenium	0.93	0.82	eqc	
7440-22-4	Silver	200	0.43	eqc	
1746-01-6	TCDD, 2,3,7,8-	eqc	0.000063	0.000008	0.001
95-94-3	Tetrachlorobenzene, 1,2,4,5-	0.23	0.055	170	14
630-20-6	Tetrachloroethane, 1,1,1,2-	0.024	0.057	130	6
79-34-5	Tetrachloroethane, 1,1,2,2-	0.0037	0.057	29	6
127-18-4	Tetrachloroethylene	2	0.056	13000	6
58-90-2	Tetrachlorophenol, 2,3,4,6-	2	0.03	6200	7.4
7440-28-0	Thallium (I)	0.05	1.4	5	0.078
108-88-3	Toluene	30	0.08	180000	10
8001-35-2	Toxaphene	eqc	0.0095	eqc	2.6
76-13-1	Trichloro-1,2,2-trifluoroethane, 1,1,2-	2200	0.057		30
120-82-1	Trichlorobenzene, 1,2,4-	0.69	0.055	3500	19
71-55-6	Trichloroethane, 1,1,1-	74	0.054	48000	6
79-00-5	Trichloroethane, 1,1,2-	0.007	0.054	11	6
79-01-6	Trichloroethylene	0.038	0.054	570	6
75-69-4	Trichlorofluoromethane	48	0.02	26000	30
95-95-4	Trichlorophenol, 2,4,5-	18	0.18	12000	7.4
88-06-2	Trichlorophenol, 2,4,6-	0.054	0.035	120	7.4
93-76-5	Trichlorophenoxyacetic acid, 2,4,5- (245-T	2	0.72	63	7.9
93-72-1	Trichlorophenoxypropionic acid, 2,4,5- (Silv	1	0.72	6	7.9
96-18-4	Trichloropropane, 1,2,3-	1	0.85	870	30
126-72-7	Tris (2,3-dibromopropyl) phosphate	eqc	0.11	0.36	0.1
7440-62-2	Vanadium	10	4.3	250	
75-01-4	Vinyl chloride	eqc	0.27	1	6
1330-20-7	Xylenes (total)	22	0.32	170000	30
7440-66-6	Zinc	99	2.61	320	

Exit Level (mg/l)	UTS (mg/l)
5	
6	
0.3	
6	
eqc	
0.017	
0.053	2.1
eqc	5
16	7.6
eqc	
0.0054	
eqc	
0.000066	
0.00032	0.014
0.0019	
0.00036	
0.0011	
0.0025	
0.018	
6	
0.064	
64	
0.11	0.19
6	4.8
0.0016	
0.00016	
0.16	
1	
0.0018	
0.017	
0.32	
0.48	0.86
0.0012	
3	
3	
0.32	
2800	
0.000062	
0.0054	
25	
0.1	
eqc	
6	
0.011	

12  
0.00006  
0.00006  
0.00018  
1  
0.18  
0.6  
0.0023  
1200  
1200  
0.54  
54  
30  
1  
0.11  
0.11  
0.064  
0.014  
3  
13  
32  
110  
11  
7  
8  
2  
3

0.45  
0.0069  
eqc  
0.11  
0.00021  
0.69

0.033  
eqc  
15  
12  
0.14  
30  
0.75

0.37  
0.025

0.92  
30  
3  
8  
23  
0.19  
0.015

eqc  
eqc  
3

	5	5
	0.032	
eqc		
	12000	
eqc		
eqc		
	0.00041	
	32	
eqc		
	6	
	2	
	0.06	
eqc		
	0.36	0.16
		0.3
eqc		
	0.032	
	0.0078	
	0.0077	
	0.68	
	0.58	
	0.019	
	13	
	0.11	
	2400	
	1	
	0.054	
	0.0018	
	0.013	
	16	
	4	
	0.015	
	0.64	
	0.48	
	0.34	
eqc		
	4	0.23
eqc		
	150	
	38	5.3