

Figure: 30 TAC §307.6(d)(1)

TABLE 2
 Criteria in Water for Specific Toxic Materials
 HUMAN HEALTH PROTECTION

(All values are listed or calculated in micrograms per liter unless otherwise noted)

Parameter	CASRN	A	B
		Water and Fish	Fish Only
Acrylonitrile	107-13-1	1.0	115
Aldrin	309-00-2	1.146E-05	1.147E-05
Anthracene	120-12-7	1,109	1,317
Antimony	7440-36-0	6 ¹	1,071
Arsenic (d)	7440-38-2	10 ¹	---
Barium (d)	7440-39-3	2,000 ¹	---
Benzene	71-43-2	5 ¹	581
Benzidine	92-87-5	0.0015	0.107

Parameter	CASRN	A	B
		Water and Fish	Fish Only
Benzo(<i>a</i>)anthracene	56-55-3	0.100	0.103
Benzo(<i>a</i>)pyrene	50-32-8	0.0100	0.0103
Bis(chloromethyl)ether	542-88-1	0.0024	0.2745
Bis(2-chloroethyl)ether	111-44-4	0.60	42.83
Bis(2-ethylhexyl)phthalate	117-81-7	6 ¹	7.55
Bromodichloromethane	75-27-4	10.2	275
Bromoform	75-25-2	66.9	1,060
Cadmium (d)	7440-43-9	5 ¹	---
Carbon Tetrachloride	56-23-5	4.5	46
Chlordane	12789-03-6	0.0025	0.0025
Chlorobenzene	108-90-7	100 ¹	2,737
Chlorodibromomethane	124-48-1	7.5	183
Chloroform	67-66-3	70 ¹	7,697
Chromium (Hex) (d)	18540-29-9	62	502
Chrysene	218-01-9	9.96	10.26

Parameter	CASRN	A	B
		Water and Fish	Fish Only
Cresols ²		1,041	9,301
<i>m</i> -Cresol	108-39-4		
<i>o</i> -Cresol	95-48-7		
<i>p</i> -Cresol	106-44-5		
Cyanide (free) ³	57-12-5	200 ¹	---
4,4'-DDD	72-54-8	0.002	0.002
4,4'-DDE	72-55-9	0.00013	0.00013
4,4'-DDT	50-29-3	0.0004	0.0004
2,4-D	94-75-7	70 ¹	---
Danitol	39515-41-8	262	473
1,2-Dibromoethane	106-93-4	0.17	4.24
<i>m</i> -Dichlorobenzene	541-73-1	322	595
<i>o</i> -Dichlorobenzene	95-50-1	600 ¹	3,299
<i>p</i> -Dichlorobenzene	106-46-7	75 ¹	---
3,3'-Dichlorobenzidine	91-94-1	0.79	2.24

Parameter	CASRN	A	B
		Water and Fish	Fish Only
1,2-Dichloroethane	107-06-2	5 ¹	364
1,1-Dichloroethylene	75-35-4	7 ¹	55,114
Dichloromethane	75-09-2	5 ¹	10,714
1,2-Dichloropropane	78-87-5	5 ¹	301.98
1,3-Dichloropropene	542-75-6	3.4	145
Dicofol	115-32-2	0.35	0.35
Dieldrin	60-57-1	2.0E-5	2.0E-5
2,4-Dimethylphenol	105-67-9	444	8,436
Di- <i>n</i> -Butyl Phthalate	84-74-2	88.9	92.4
Dioxins/Furans (TCDD Equivalentents)	1746-01-6	7.80E-8	7.97E-8
Congener/Isomer		TEF	TEF
2,3,7,8 TCDD		1	1
1,2,3,7,8 PeCDD		1	1
2,3,7,8 HxCDDs		0.1	0.1
1,2,3,4,6,7,8 HpCDD		0.01	0.01

Parameter	CASRN	A	B
		Water and Fish	Fish Only
2,3,7,8 TCDF		0.1	0.1
1,2,3,7,8 PeCDF		0.03	0.03
2,3,4,7,8 PeCDF		0.3	0.3
2,3,7,8 HxCDFs		0.1	0.1
2,3,4,7,8 HpCDFs		0.01	0.01
OCDD		0.0003	0.0003
OCDF		0.0003	0.0003
PCB 77		0.0001	0.0001
PCB 81		0.0003	0.0003
PCB126		0.1	0.1
PCB 169		0.03	0.03
Endrin	72-20-8	0.02	0.02
Epichlorohydrin	106-89-8	53.5	2,013
Ethylbenzene	100-41-4	700 ¹	1,867
Ethylene Glycol	107-21-1	46,744	1.68E7

Parameter	CASRN	A	B
		Water and Fish	Fish Only
Fluoride	16984-48-8	4,000 ¹	---
Heptachlor	76-44-8	8.0E-5	0.0001
Heptachlor Epoxide	1024-57-3	0.00029	0.00029
Hexachlorobenzene	118-74-1	0.00068	0.00068
Hexachlorobutadiene	87-68-3	0.21	0.22
Hexachlorocyclohexane (<i>alpha</i>)	319-84-6	0.0078	0.0084
Hexachlorocyclohexane (<i>beta</i>)	319-85-7	0.15	0.26
Hexachlorocyclohexane (<i>gamma</i>) (Lindane)	58-89-9	0.2 ¹	0.341
Hexachlorocyclopentadiene	77-47-4	10.7	11.6
Hexachloroethane	67-72-1	1.84	2.33
Hexachlorophene	70-30-4	2.05	2.90
4,4'-Isopropylidenediphenol (bisphenol A)	80-05-7	1,092	15,982
Lead (d)	7439-92-1	1.15	3.83
Mercury in freshwater ⁴	7439-97-6	0.0122	0.0122

Parameter	CASRN	A	B
		Water and Fish	Fish Only
Mercury in saltwater ⁵	7439-97-6	---	0.0250
Methoxychlor	72-43-5	2.92	3.0
Methyl Ethyl Ketone	78-93-3	13,865	9.92E+5
Methyl <i>tert</i> -butyl ether (MTBE)	1634-04-4	15 ⁷	10,482
Nickel (d)	7440-02-0	332	1140
Nitrate-Nitrogen as total Nitrogen	14797-55-8	10,000 ¹	---
Nitrobenzene	98-95-3	45.7	1,873
<i>N</i> -Nitrosodiethylamine	55-18-5	0.0037	2.1
<i>N</i> -Nitroso-di- <i>n</i> -Butylamine	924-16-3	0.119	4.2
Pentachlorobenzene	608-93-5	0.348	0.355
Pentachlorophenol	87-86-5	0.22	0.29
Polychlorinated Biphenyls (PCBs) ⁶	1336-36-3	6.4E-4	6.4E-4
Pyridine	110-86-1	23	947
Selenium	7782-49-2	50 ¹	---
1,2,4,5-Tetrachlorobenzene	95-94-3	0.23	0.24

Parameter	CASRN	A	B
		Water and Fish	Fish Only
1,1,2,2-Tetrachloroethane	79-34-5	1.64	26.35
Tetrachloroethylene	127-18-4	5 ¹	237
Thallium	7440-28-0	0.12	0.23
Toluene	108-88-3	1,000 ¹	---
Toxaphene	8001-35-2	0.011	0.011
2,4,5-TP (Silvex)	93-72-1	50 ¹	369
1,1,1-Trichloroethane	71-55-6	200 ¹	784,354
1,1,2-Trichloroethane	79-00-5	5 ¹	166
Trichloroethylene	79-01-6	5 ¹	71.9
2,4,5 Trichlorophenol	95-95-4	1,039	1,867
TTHM (Sum of total trihalomethanes)	---	80 ¹	---
bromodichloromethane	75-27-4		---
dibromochloromethane	124-48-1		---
tribromomethane (bromoform)	75-25-2		---
trichloromethane (chloroform)	67-66-3		---

Parameter	CASRN	A	B
		Water and Fish	Fish Only
Vinyl Chloride	75-01-4	0.23	16.5

- 1 Based on Maximum Contaminant Levels (MCLs) specified in 30 TAC Chapter 290 (relating to Public Drinking Water).
 - 2 The criteria are identical and independently applied to *m*-, *o*-, and *p*-Cresol.
 - 3 Compliance will be determined using an analytical method for free or available cyanide.
 - 4 Consumption rate for fish and shellfish was estimated as 10 grams per person per day.
 - 5 Consumption rate for fish and shellfish was estimated as 15 grams per person per day.
 - 6 Until Method 1668 or equivalent method to measure PCB congeners is approved in 40 Code of Federal Regulations Part 136, compliance with PCB criteria is determined using Aroclor data or any alternate method listed in a TCEQ-approved Quality Assurance Plan.
 - 7 Based on aesthetics criteria in the 1998 Oxygenated Fuels Association study Taste and Odor Properties of Methyl Tertiary-Butyl Ether and Implications for Setting a Secondary MCL.
- (d) Indicates that the criteria for a specific parameter are for the dissolved fraction in water. All other criteria are for total recoverable concentrations, except where noted.