

# Drinking Water Standards by Constituent



constituents name	casrn	standard <i>μ g/l or ppb</i> (unless otherwise specified)	type	comment
Adipates (Di(ethylhexyl)adipate) (DEHA)	103-23-1	400	Primary	FEDERAL MCL
Alachlor	15972-60-8	2	Primary	FEDERAL MCL - No monitoring required
Aldicarb	116-06-3	3	Primary	FEDERAL MCL - No monitoring required
Aldicarb sulfone	1646-88-4	2	Primary	FEDERAL MCL - No monitoring required
Aldicarb sulfoxide	1646-87-3	4	Primary	FEDERAL MCL
Aluminum	7429-90-5	200	Secondary	STATE RUL - Recommended upper limit
Antimony (Total)	7440-36-0	6	Primary	FEDERAL MCL
Arsenic (Total)	7440-38-2	5	Primary	STATE MCL
Asbestos	1332-21-4	7x10 <sup>6</sup> fibers/l >10 um	Primary	FEDERAL MCL
Atrazine	1912-24-9	3	Primary	FEDERAL MCL
Barium	7440-39-3	2000	Primary	FEDERAL MCL
Benzene	71-43-2	1	Primary	STATE MCL
Beta particle /Photon radioactivity	Beta/Photon	4 mrem/yr.	Primary	FEDERAL MCL
Benzo(a)pyrene(BaP)	50-32-8	0.2	Primary	FEDERAL MCL
Beryllium	7440-41-7	4	Primary	FEDERAL MCL
BHC (gamma-HCH/Lindane)	58-89-9	0.2	Primary	FEDERAL MCL
Bis(2-ethylhexyl) phthalate (DEHP)	117-81-7	6	Primary	FEDERAL MCL
Bromate	15541-45-4	10	Primary	FEDERAL MCL
Bromoacetic Acid	79-08-3	See Haloacetic Acids	Primary	FEDERAL MCL
Bromodichloromethane(Dichlorobromo methane)	75-27-4	See Trihalomethanes	Primary	FEDERAL MCL
Bromoform	75-25-2	See Trihalomethanes	Primary	FEDERAL MCL
Cadmium	7440-43-9	5	Primary	FEDERAL MCL
Carbofuran	1563-66-2	40	Primary	FEDERAL MCL
Carbon Tetrachloride	56-23-5	2	Primary	STATE MCL
Chloramines	10599-90-3	4000 (as Cl <sub>2</sub> )	Primary	FEDERAL -Maximum residential disinfectant level (MRDL)
Chlordane	57-74-9	0.5	Primary	STATE MCL
Chloride	16887-00-6	250,000	Secondary	STATE -RUL - Recommended upper limit
Chlorine dioxide	10049-04-4	800 (as ClO <sub>2</sub> )	Primary	FEDERAL -Maximum residential disinfectant level (MRDL)
Chlorine	7782-50-5	4000 (as Cl <sub>2</sub> )	Primary	FEDERAL -Maximum residential disinfectant level (MRDL)
Chlorite	7758-19-2	1,000	Primary	FEDERAL MCL
Chlorobenzene	108-90-7	50	Primary	STATE MCL

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Chloroform	67-66-3	See Trihalomethanes	Primary	FEDERAL MCL
Chromium (Total)	7440-47-3	100	Primary	FEDERAL MCL
Coliform bacteria	Coliform bacteria	Presence or absence	Primary	FEDERAL MCL
Color (measure by "Color Unit")	color	10 color units	Secondary	STATE RUL
Copper	7440-50-8	1300	Primary	FEDERAL Action Level
Cyanide (free cyanide)	57-12-5	200	Primary	FEDERAL MCL
Dalapon (2,2-Dichloropropionic acid)	75-99-0	200	Primary	FEDERAL MCL
Dibromoacetic Acid	631-64-1	See Haloacetic Acids	Primary	FEDERAL MCL
Dibromochloromethane (Chlorodibromomethane)	124-48-1	See Trihalomethanes	Primary	FEDERAL MCL
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	0.2	Primary	FEDERAL MCL
Dichloroacetic acid	79-43-6	See Haloacetic Acids	Primary	FEDERAL MCL
1,2-Dichlorobenzene (ortho)	95-50-1	600	Primary	FEDERAL MCL
1,3-Dichlorobenzene (meta)	541-73-1	600	Primary	STATE MCL
1,4-Dichlorobenzene (para)	106-46-7	75	Primary	FEDERAL MCL
1,1-Dichloroethane (1,1-DCA)	75-34-3	50	Primary	STATE MCL
1,2-Dichloroethane	107-06-2	2	Primary	STATE MCL
cis-1,2-Dichloroethylene	156-59-2	70	Primary	FEDERAL MCL
trans-1,2-Dichloroethylene	156-60-5	100	Primary	FEDERAL MCL
1,1-Dichloroethylene (1,1-DCE)	75-35-4	2	Primary	STATE MCL
2,4-Dichlorophenoxyacetic acid (2,4-D)	94-75-7	70	Primary	FEDERAL MCL
1,2-Dichloropropane	78-87-5	5	Primary	FEDERAL MCL
Dinoseb	88-85-7	7	Primary	FEDERAL MCL
Diquat	85-00-7	20	Primary	FEDERAL MCL
E. Coli	ecoli	0	Primary	FEDERAL MCL
Endothall	145-73-3	100	Primary	FEDERAL MCL
Endrin	72-20-8	2	Primary	FEDERAL MCL
Ethylbenzene	100-41-4	700	Primary	FEDERAL MCL
Ethylene dibromide (EDB) (1,2-Dibromoethane)	106-93-4	0.05	Primary	FEDERAL MCL
Fecal Coliform	fecal	0	Primary	FEDERAL MCL
Fluoride	16984-48-8	4,000	Primary	FEDERAL MCL
Fluoride	16984-48-8	2,000	Secondary	STATE RUL - Recommended upper limit
Foaming Agents (ABS/LAS)	foaming	500	Secondary	STATE RUL - Recommended upper limit
Glyphosate	1071-83-6	700	Primary	FEDERAL MCL
Gross Alpha	grossalpha	15 (pCi/l)	Primary	FEDERAL MCL
Haloacetic Acids	haloacids	60 (Total of 5 individual HAAs)	Primary	FEDERAL MCL

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Hardness (as CaCO3)	hardness	250,000	Secondary	STATE RUL - Recommended upper limit
Heptachlor	76-44-8	0.4	Primary	FEDERAL MCL
Heptachlor epoxide	1024-57-3	0.2	Primary	FEDERAL MCL
Hexachlorobenzene	118-74-1	1	Primary	FEDERAL MCL
Hexachlorocyclopentadiene	77-47-4	50	Primary	FEDERAL MCL
Iron	7439-89-6	300	Secondary	STATE RUL - Recommended upper limit
Lead (Total)	7439-92-1	15	Primary	FEDERAL Action Level
Manganese	7439-96-5	50	Secondary	STATE RUL - Recommended upper limit
Mercury (Inorganic)	7439-97-6	2	Primary	FEDERAL MCL
Methoxychlor	72-43-5	40	Primary	FEDERAL MCL
Methyl tert butyl ether (MTBE)	1634-04-4	70	Primary	STATE MCL
Methylene chloride	75-09-2	3	Primary	STATE MCL
Monochloroacetic acid	79-11-8	See Haloacetic Acids	Primary	FEDERAL MCL
Naphthalene	91-20-3	300	Primary	STATE MCL
Nickel (Soluble salts)	7440-02-0		Primary	FEDERAL - No MCL - Monitoring Required
Nitrate	84145-82-4	10,000	Primary	FEDERAL MCL
Nitrite	14797-65-0	1,000	Primary	FEDERAL MCL
Odor (measure by Threshold Odor Number)	odor	3	Secondary	STATE RUL - Recommended upper limit
Oxamyl	23135-22-0	200	Primary	FEDERAL MCL
Pentachlorophenol	87-86-5	1	Primary	FEDERAL MCL
pH	pH	6.5-8.5	Secondary	STATE - Optimum range
Picloram	1918-02-1	500	Primary	FEDERAL MCL
PCBs (Polychlorinated biphenyls)	1336-36-3	0.5	Primary	FEDERAL MCL
Radium-226 & Radium-228 combined	r&r	5 (pCi/l)	Primary	FEDERAL MCL
Selenium (Total)	7782-49-2	50	Primary	FEDERAL MCL
Silver	7440-22-4	100	Secondary	STATE RUL - Recommended upper limit
Simazine	122-34-9	4	Primary	FEDERAL MCL
Sodium	7440-23-5	50,000	Secondary	STATE RUL - Recommended upper limit
Styrene	100-42-5	100	Primary	FEDERAL MCL
Sulfate	14808-79-8	250,000	Secondary	STATE RUL - Recommended upper limit
Taste	taste	No objectionable taste	Secondary	STATE RUL Recommended upper limit
TDS (Total Dissolved Solids)	TDS	500,000	Secondary	STATE RUL Recommended upper limit
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	1746-01-6	3 x 10-5	Primary	FEDERAL MCL

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1,1,2,2-Tetrachloroethane	79-34-5	1	Primary	STATE MCL
Tetrachloroethylene (PCE)	127-18-4	1	Primary	STATE MCL
Thallium	7440-28-0	2	Primary	FEDERAL MCL
Toluene	108-88-3	1,000	Primary	FEDERAL MCL
Toxaphene	8001-35-2	3	Primary	FEDERAL MCL
Trichloroacetic acid	76-03-9	See Haloacetic Acids	Primary	FEDERAL MCL
1,2,4-Trichlorobenzene	120-82-1	9	Primary	STATE MCL
1,1,1-Trichloroethane (TCA)	71-55-6	30	Primary	STATE MCL
1,1,2-Trichloroethane	79-00-5	3	Primary	STATE MCL
Trichloroethene (TCE) (Trichloroethylene)	79-01-6	1	Primary	STATE MCL
2-(2,4,5-Trichlorophenoxy)propionic acid (Silvex) (2,4,5-TP)	93-72-1	50	Primary	FEDERAL MCL
Trihalomethanes	trihalom	80 (total of four individual THMs)	Primary	FEDERAL MCL
Uranium	7440-61-1	30	Primary	FEDERAL MCL
Vinyl chloride	75-01-4	2	Primary	FEDERAL MCL
Xylenes (Total)	1330-20-7	1000	Primary	STATE MCL
Zinc	7440-66-6	5,000	Secondary	STATE RUL - Recommended upper limit

### Drinking Water Explanation of Terms

*\* Coliform bacteria standards are based on the presence or absence of coliforms in a sample. The number of samples collected by a public water system is determined by the size of the population served. A system collecting at least 40 samples/month can have coliform in no more than 5% of the samples. A system collecting fewer than 40 samples/month can have no more than one coliform positive. Any number exceeding these amounts triggers an MCL exceedance.*

*For more information of Drinking Water Standards contact the Division of Water Supply, Safe Drinking Water Technical Assistance at (609) 292-5550*