

Drinking Water Standards by Constituent



Constituents Name	CASRN	Standard (µg/L or ppb, unless otherwise specified)	Type	Comment
Adipates (Di(ethylhexyl)adipate) (DEHA)	103-23-1	400	Primary	Federal MCL
Alachlor	15927-60-8	2	Primary	Federal MCL
Aldicarb	116-06-3		Primary	No MCL- Monitoring Required
Aldicarb sulfone	1646-88-4		Primary	No MCL- Monitoring Required
Aldicarb sulfoxide	1646-87-3		Primary	No MCL- Monitoring Required
Aluminum	7429-90-5	200	Secondary	Federal MCL- 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	7*10 ⁶ Fibers/L > 10 µm	Primary	Federal MCL
Atrazine	1912-24-9	3	Primary	Federal MCL
Barium	7440-39-3	2,000	Primary	Federal MCL
Benzene	71-43-2	1	Primary	State 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(Dichlorobromomethane)	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
Chloramine	10599-90-3	4,000	Primary	Federal- Maximum residential disinfectant load
Chlordane	57-74-9	0.5	Primary	State MCL
Chloride	16887-00-6	250,000	Secondary	State MCL- Recommended upper limit

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Chlorine Produced Oxidants	7782-50-5	4,000	Primary	Federal- Maximum residential disinfectant load
Chlorite	7758-19-2	1,000	Primary	Federal MCL
Chlorobenzene	108-90-7	50	Primary	State MCL
Chloroform	67-66-3	See Trihalomethanes	Primary	Federal MCL
Chromium (Total)	7440-47-3	100	Primary	Federal MCL
Coliform bacteria	N/A	Presence or absence	Primary	Federal MCL
Color	N/A	10 color units	Secondary	State Recommended upper limit
Copper	7440-50-8	1,300	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/State 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
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
Fluoride	16984-48-8	4,000	Primary	Federal MCL
Fluoride	16984-48-8	2,000	Secondary	Federal MCL- Recommended upper limit
Foaming Agents (ABS/LAS)		500	Secondary	State Recommended upper limit
Glyphosate	1071-83-6	700	Primary	Federal MCL

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Gross Alpha		15 (pCi/L)	Primary	Federal MCL
Haloacetic Acids		60 (Total of 5 individual HAAs)	Primary	Federal MCL
Hardness (as CaCO3)		250,000	Secondary	Federal MCL-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	Federal MCL-Recommended upper limit
Lead (Total)	7439-92-1	15	Primary	Federal Action Level
Manganese	7439-96-5	50	Secondary	Federal MCL-Recommended upper limit
Mercury (Total)	7439-96-6	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	
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 (measured by Threshold Odor Number)		3	Secondary	Federal MCL-Recommended upper limit
Oxamyl	23135-22-0	200	Primary	Federal MCL
Pentachlorophenol	87-86-5	1	Primary	Federal MCL
Perfluorononoanoic Acid (PFNA)	375-95-1	0.013	Primary	State MCL
Perfluorooctane Sulfonate (PFOS)	1763-23-1	0.013	Primary	State MCL
Perfluorooctanoic Acid (PFOA)	335-67-1	0.014	Primary	State MCL
pH		6.5-8.5	Secondary	State- Optimum Range
beta/Photon emitters		4mrem/yr	Primary	Federal MCL
Picloram	2/1/1918	500	Primary	Federal MCL
PCBs (Polychlorinated biphenyls)	1336-36-3	0.5	Primary	Federal MCL
Radium-226 & Radium-228 combined		5 (pCi/L)	Primary	Federal MCL
Selenium (Total)	7782-49-2	50	Primary	Federal MCL
Silver	7440-22-4	100	Secondary	State Recommended upper limit
Simazine	122-34-9	4	Primary	Federal MCL
Sodium	7440-23-5	50,000	Secondary	State MCL

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Styrene	100-42-5	100	Primary	Federal MCL
Sulfate	14808-79-8	250,000	Secondary	Federal MCL-Recommended upper limit
Taste		No objectionable taste	Secondary	State Recommended upper limit
TDS (Total Dissolved Solids)		500,000	Secondary	State Recommended upper limit
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	1746-01-6	3*10 ⁻⁵	Primary	Federal MCL
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
1,2,3-Trichloropropane	96-18-4	0.03	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		80 (total of 4 individual THMs)	Primary	Federal MCL
Turbidity		0.3 NTU 1 NTU	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	1,000	Primary	State MCL
Zinc	7440-66-6	5,000	Secondary	Federal MCL-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 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 on Drinking Water Standards, contact the Division of Water Supply, Safe Drinking Water at (609) 292-5550.