

**MAXIMUM CONTAMINANT LEVELS AND REGULATORY DATES
FOR DRINKING WATER
U.S. EPA VS CALIFORNIA
LAST UPDATED JULY 2014**

| Contaminant | U.S. EPA | | California | |
|---|---|--|--|-------------------|
| | MCL (mg/L) | Date ^a | MCL (mg/L) | Effective Date |
| <i>Inorganics</i> | | | | |
| Aluminum | 0.05 to 0.2 ^b | 1/91 | 1 0.2 ^b | 2/25/89 9/8/94 |
| Antimony | 0.006 | 7/92 | 0.006 | 9/8/94 |
| Arsenic | 0.05 0.010 | eff: 6/24/77 eff: 1/23/06 | 0.05 0.010 | 77 11/28/08 |
| Asbestos | 7 MFL ^c | 1/91 | 7 MFL ^c | 9/8/94 |
| Barium | 1 2 | eff: 6/24/77 1/91 | 1 | 77 |
| Beryllium | 0.004 | 7/92 | 0.004 | 9/8/94 |
| Cadmium | 0.010 0.005 | eff: 6/24/77 1/91 | 0.010 0.005 | 77 9/8/94 |
| Chromium | 0.05 0.1 | eff: 6/24/77 1/91 | 0.05 | 77 |
| Copper | 1.3 ^d | 6/91 | 1 ^b 1.3 ^d | 77 12/11/95 |
| Cyanide | 0.2 | 7/92 | 0.2 0.15 | 9/8/94 6/12/03 |
| Fluoride | 4 2 ^b | 4/86 4/86 | 2 | 4/98 |
| Hexavalent Chromium | - | - | 0.010 | 7/1/14 |
| Lead | 0.05 ^e 0.015 ^d | eff: 6/24/77 6/91 | 0.05 ^e 0.015 ^d | 77 12/11/95 |
| Mercury | 0.002 | eff: 6/24/77 | 0.002 | 77 |
| Nickel | Remanded | | 0.1 | 9/8/94 |
| Nitrate | (as N) 10 | eff: 6/24/77 | (as NO3) 45 | 77 |
| Nitrite (as N) | 1 | 1/91 | 1 | 9/8/94 |
| Total Nitrate/Nitrite (as N) | 10 | 1/91 | 10 | 9/8/94 |
| Perchlorate | - | - | 0.006 | 10/18/07 |
| Selenium | 0.01 0.05 | eff: 6/24/77 1/91 | 0.01 0.05 | 77 9/8/94 |
| Thallium | 0.002 | 7/92 | 0.002 | 9/8/94 |
| <i>Radionuclides</i> | | | | |
| Uranium | 30 ug/L | 12/7/00 | 20 pCi/L 20 pCi/L | 1/1/89 6/11/06 |
| Combined Radium - 226+228 | 5 pCi/L | eff: 6/24/77 | 5 pCi/L 5 pCi/L | 77 6/11/06 |
| Gross Alpha particle activity (excluding radon & uranium) | 15 pCi/L | eff: 6/24/77 | 15 pCi/L 15 pCi/L | 77 6/11/06 |
| Gross Beta particle activity | 4 millirem/yr | eff: 6/24/77 | 50 pCi/L ^l 4 millirem/yr | 77 6/11/06 |
| Strontium-90 | 8 pCi/L | eff: 6/24/77 now covered by Gross Beta | 8 pCi/L ^l 8 pCi/L ^f | 77 6/11/06 |
| Tritium | 20,000 pCi/L | eff: 6/24/77 now covered by Gross Beta | 20,000 pCi/L ^l 20,000 pCi/L ^f | 77 6/11/06 |

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|---------------------------------------|------------|-------------------|--------------------|----------------|
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| VOCS | | | | |
| Benzene | 0.005 | 6/87 | 0.001 | 2/25/89 |
| Carbon Tetrachloride | 0.005 | 6/87 | 0.0005 | 4/4/89 |
| 1,2-Dichlorobenzene | 0.6 | 1/91 | 0.6 | 9/8/94 |
| 1,4-Dichlorobenzene | 0.075 | 6/87 | 0.005 | 4/4/89 |
| 1,1-Dichloroethane | - | - | 0.005 | 6/24/90 |
| 1,2-Dichloroethane | 0.005 | 6/87 | 0.0005 | 4/4/89 |
| 1,1-Dichloroethylene | 0.007 | 6/87 | 0.006 | 2/25/89 |
| cis-1,2-Dichloroethylene | 0.07 | 1/91 | 0.006 | 9/8/94 |
| trans-1,2-Dichloroethylene | 0.1 | 1/91 | 0.01 | 9/8/94 |
| Dichloromethane | 0.005 | 7/92 | 0.005 | 9/8/94 |
| 1,3-Dichloropropene | - | - | 0.0005 | 2/25/89 |
| 1,2-Dichloropropane | 0.005 | 1/91 | 0.005 | 6/24/90 |
| Ethylbenzene | 0.7 | 1/91 | 0.68 | 2/25/89 |
| | | | 0.7 | 9/8/94 |
| | | | 0.3 | 6/12/03 |
| Methyl-tert-butyl ether (MTBE) | - | - | 0.005 ^b | 1/7/99 |
| | | | 0.013 | 5/17/00 |
| Monochlorobenzene | 0.1 | 1/91 | 0.03 | 2/25/89 |
| | | | 0.07 | 9/8/94 |
| Styrene | 0.1 | 1/91 | 0.1 | 9/8/94 |
| 1,1,2,2-Tetrachloroethane | - | - | 0.001 | 2/25/89 |
| Tetrachloroethylene | 0.005 | 1/91 | 0.005 | 5/89 |
| Toluene | 1 | 1/91 | 0.15 | 9/8/94 |
| 1,2,4 Trichlorobenzene | 0.07 | 7/92 | 0.07 | 9/8/94 |
| | | | 0.005 | 6/12/03 |
| 1,1,1-Trichloroethane | 0.200 | 6/87 | 0.200 | 2/25/89 |
| 1,1,2-Trichloroethane | 0.005 | 7/92 | 0.032 | 4/4/89 |
| | | | 0.005 | 9/8/94 |
| Trichloroethylene | 0.005 | 6/87 | 0.005 | 2/25/89 |
| Trichlorofluoromethane | - | - | 0.15 | 6/24/90 |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | - | - | 1.2 | 6/24/90 |
| Vinyl chloride | 0.002 | 6/87 | 0.0005 | 4/4/89 |
| Xylenes | 10 | 1/91 | 1.750 | 2/25/89 |

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|---------------------------|--------------------|----------------------|----------------------------|-------------------------|
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| SOCS | | | | |
| Alachlor | 0.002 | 1/91 | 0.002 | 9/8/94 |
| Atrazine | 0.003 | 1/91 | 0.003 0.001 | 4/5/89 6/12/03 |
| Bentazon | - | - | 0.018 | 4/4/89 |
| Benzo(a) Pyrene | 0.0002 | 7/92 | 0.0002 | 9/8/94 |
| Carbofuran | 0.04 | 1/91 | 0.018 | 6/24/90 |
| Chlordane | 0.002 | 1/91 | 0.0001 | 6/24/90 |
| Dalapon | 0.2 | 7/92 | 0.2 | 9/8/94 |
| Dibromochloropropane | 0.0002 | 1/91 | 0.0001 0.0002 | 7/26/89 5/3/91 |
| Di(2-ethylhexyl)adipate | 0.4 | 7/92 | 0.4 | 9/8/94 |
| Di(2-ethylhexyl)phthalate | 0.006 | 7/92 | 0.004 | 6/24/90 |
| 2,4-D | 0.1 0.07 | eff: 6/24/77 1/91 | 0.1 0.07 | 77 9/8/94 |
| Dinoseb | 0.007 | 7/92 | 0.007 | 9/8/94 |
| Diquat | 0.02 | 7/92 | 0.02 | 9/8/94 |
| Endothall | 0.1 | 7/92 | 0.1 | 9/8/94 |
| Endrin | 0.0002 0.002 | eff: 6/24/77 7/92 | 0.0002 0.002 | 77 9/8/94 |
| Ethylene Dibromide | 0.00005 | 1/91 | 0.00002 0.00005 | 2/25/89 9/8/94 |
| Glyphosate | 0.7 | 7/92 | 0.7 | 6/24/90 |
| Heptachlor | 0.0004 | 1/91 | 0.00001 | 6/24/90 |
| Heptachlor Epoxide | 0.0002 | 1/91 | 0.00001 | 6/24/90 |
| Hexachlorobenzene | 0.001 | 7/92 | 0.001 | 9/8/94 |
| Hexachlorocyclopentadiene | 0.05 | 7/92 | 0.05 | 9/8/94 |
| Lindane | 0.004 0.0002 | eff: 6/24/77 1/91 | 0.004 0.0002 | 77 9/8/94 |
| Methoxychlor | 0.1 0.04 | eff: 6/24/77 1/91 | 0.1 0.04 0.03 | 77 9/8/94 6/12/03 |
| Molinate | - | - | 0.02 | 4/4/89 |
| Oxamyl | 0.2 | 7/92 | 0.2 0.05 | 9/8/94 6/12/03 |
| Pentachlorophenol | 0.001 | 1/91 | 0.001 | 9/8/94 |
| Picloram | 0.5 | 7/92 | 0.5 | 9/8/94 |
| Polychlorinated Biphenyls | 0.0005 | 1/91 | 0.0005 | 9/8/94 |
| Simazine | 0.004 | 7/92 | 0.010 0.004 | 4/4/89 9/8/94 |
| Thiobencarb | - | - | 0.07 0.001 ^b | 4/4/89 4/4/89 |
| Toxaphene | 0.005 0.003 | eff: 6/24/77 1/91 | 0.005 0.003 | 77 9/8/94 |
| 2,3,7,8-TCDD (Dioxin) | 3x10 ⁻⁸ | 7/92 | 3x10 ⁻⁸ | 9/8/94 |
| 2,4,5-TP (Silvex) | 0.01 0.05 | eff: 6/24/77 1/91 | 0.01 0.05 | 77 9/8/94 |

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|---|-----------------|---------------------------|-----------------|----------------|
| | MCL (mg/L) | Date ^a | MCL (mg/L) | Effective Date |
| Disinfection Byproducts | | | | |
| Total Trihalomethanes | 0.100 | 11/29/79 eff: 11/29/83 | 0.100 | 3/14/83 |
| | 0.080 | eff: 1/1/02 ^g | 0.080 | 6/17/06 |
| Haloacetic acids (five) | 0.060 | eff: 1/1/02 ^g | 0.060 | 6/17/06 |
| Bromate | 0.010 | eff: 1/1/02 ^g | 0.010 | 6/17/06 |
| Chlorite | 1.0 | eff: 1/1/02 ^g | 1.0 | 6/17/06 |
| Treatment Technique | | | | |
| Acrylamide | TT ^h | 1/91 | TT ^h | 9/8/94 |
| Epichlorohydrin | TT ^h | 1/91 | TT ^h | 9/8/94 |
| <p>a. "eff." indicates the date the MCL took effect; any other date provided indicates when US EPA established (i.e., published) the MCL.</p> <p>b. Secondary MCL.</p> <p>c. MFL = million fibers per liter, with fiber length > 10 microns.</p> <p>d. Regulatory Action Level; if system exceeds, it must take certain actions such as additional monitoring, corrosion control studies and treatment, and for lead, a public education program; replaces MCL.</p> <p>e. The MCL for lead was rescinded with the adoption of the regulatory action level described in footnote d.</p> <p>f. Gross beta MCL is 4 millirem/year annual dose equivalent to the total body or any internal organ; Sr-90 MCL = 4 millirem/year to bone marrow; tritium MCL = 4 millirem/year to total body</p> <p>g. Effective for surface water systems serving more than 10,000 people; effective for all others 1/1/04.</p> <p>h. TT = treatment technique, because an MCL is not feasible.</p> | | | | |