**Section 611.311 Revised MCLs for Organic Chemical Contaminants**

a) Volatile Organic Chemical Contaminants. The MCLs for VOCs apply to CWS suppliers and NTNCWS suppliers:

|  |  |  |
| --- | --- | --- |
| CAS No. | Contaminant | MCL (mg/L) |
|  |  |  |
| 71-43-2 | Benzene | 0.005 |
| 56-23-5 | Carbon tetrachloride | 0.005 |
| 95-50-1 | o-Dichlorobenzene | 0.6 |
| 106-46-7 | p-Dichlorobenzene | 0.075 |
| 107-06-2 | 1,2-Dichloroethane | 0.005 |
| 75-35-4 | 1,1-Dichloroethylene | 0.007 |
| 156-59-2 | cis-1,2-Dichloroethylene | 0.07 |
| 156-60-5 | trans-1,2-Dichloroethylene | 0.1 |
| 75-09-2 | Dichloromethane (methylene chloride) | 0.005 |
| 78-87-5 | 1,2-Dichloropropane | 0.005 |
| 100-41-4 | Ethylbenzene | 0.7 |
| 108-90-7 | Monochlorobenzene | 0.1 |
| 100-42-5 | Styrene | 0.1 |
| 127-18-4 | Tetrachloroethylene | 0.005 |
| 108-88-3 | Toluene | 1 |
| 120-82-1 | 1,2,4-Trichlorobenzene | 0.07 |
| 71-55-6 | 1,1,1-Trichloroethane | 0.2 |
| 79-00-5 | 1,1,2-Trichloroethane | 0.005 |
| 79-01-6 | Trichloroethylene | 0.005 |
| 75-01-4 | Vinyl chloride | 0.002 |
| 1330-20-7 | Xylenes (total) | 10 |

b) USEPA identifies granular activated carbon (GAC), packed tower aeration (PTA), or oxidation (OX) as BAT for achieving compliance with the MCLs for VOCs and SOCs in subsections (a) and (c), as indicated:

|  |  |  |
| --- | --- | --- |
| CAS No. | Contaminant | MCL (mg/L) |
|  |  |  |
| 15972-60-8 | Alachlor | GAC |
| 116-06-3 | Aldicarb\* | GAC |
| 1646-87-4 | Aldicarb sulfone\* | GAC |
| 1646-87-3 | Aldicarb sulfoxide\* | GAC |
| 1912-24-9 | Atrazine | GAC |
| 71-43-2 | Benzene | GAC, PTA |
| 50-32-8 | Benzo(a)pyrene | GAC |
| 1563-66-2 | Carbofuran | GAC |
| 56-23-5 | Carbon tetrachloride | GAC, PTA |
| 57-74-9 | Chlordane | GAC |
| 94-75-7 | 2,4-D | GAC |
| 75-99-0 | Dalapon | GAC |
| 96-12-8 | Dibromochloropropane | GAC, PTA |
| 95-50-1 | o-Dichlorobenzene | GAC, PTA |
| 106-46-7 | p-Dichlorobenzene | GAC, PTA |
| 107-06-2 | 1,2-Dichloroethane | GAC, PTA |
| 156-59-2 | cis-1,2-Dichloroethylene | GAC, PTA |
| 156-60-5 | trans-1,2-Dichoroethylene | GAC, PTA |
| 75-35-4 | 1,1-Dichloroethylene | GAC, PTA |
| 75-09-2 | Dichloromethane | PTA |
| 78-87-5 | 1,2-Dichloropropane | GAC, PTA |
| 103-23-1 | Di(2-ethylhexyl)adipate | GAC, PTA |
| 117-81-7 | Di(2-ethylhexyl)phthalate | GAC |
| 88-85-7 | Dinoseb | GAC |
| 85-00-7 | Diquat | GAC |
| 145-73-3 | Endothall | GAC |
| 72-20-8 | Endrin | GAC |
| 106-93-4 | Ethylene dibromide (EDB) | GAC, PTA |
| 100-41-4 | Ethylbenzene | GAC, PTA |
| 1071-53-6 | Glyphosate | OX |
| 76-44-8 | Heptachlor | GAC |
| 1024-57-3 | Heptachlor epoxide | GAC |
| 118-74-1 | Hexachlorobenzene | GAC |
| 77-47-3 | Hexachlorocyclopentadiene | GAC, PTA  |
| 58-89-9 | Lindane | GAC |
| 72-43-5 | Methoxychlor | GAC |
| 108-90-7 | Monochlorobenzene | GAC, PTA |
| 23135-22-0 | Oxamyl | GAC |
| 87-86-5 | Pentachlorophenol | GAC |
| 1918-02-1 | Picloram | GAC |
| 1336-36-3 | Polychlorinated biphenyls (PCB) | GAC |
| 122-34-9 | Simazine | GAC |
| 100-42-5 | Styrene | GAC, PTA |
| 1746-01-6 | 2,3,7,8-TCDD | GAC |
| 127-18-4 | Tetrachloroethylene | GAC, PTA |
| 108-88-3 | Toluene | GAC |
| 8001-35-2 | Toxaphene | GAC |
| 120-82-1 | 1,2,4-trichlorobenzene | GAC, PTA |
| 71-55-6 | 1,1,1-Trichloroethane | GAC, PTA |
| 79-00-5 | 1,1,2-trichloroethane | GAC, PTA |
| 79-01-6 | Trichloroethylene | GAC, PTA |
| 93-72-1 | 2,4,5-TP | GAC |
| 75-01-4 | Vinyl chloride | PTA |
| 1330-20-7 | Xylene | GAC, PTA |

\*See the Board note at the end of this Section.

c) Synthetic Organic Chemical Contaminants. MCLs for SOCs apply to CWS and NTNCWS suppliers:

|  |  |  |
| --- | --- | --- |
| CAS Number | Contaminant | MCL (mg/L) |
|  |  |  |
| 15972-60-8 | Alachlor | 0.002 |
| 116-06-3 | Aldicarb\* | 0.002 |
| 1646-87-4 | Aldicarb sulfone\* | 0.002 |
| 1646-87-3 | Aldicarb sulfoxide\* | 0.004 |
| 1912-24-9 | Atrazine | 0.003 |
| 50-32-8 | Benzo(a)pyrene | 0.0002 |
| 1563-66-2 | Carbofuran | 0.04 |
| 57-74-9 | Chlordane | 0.002 |
| 94-75-7 | 2,4-D | 0.07 |
| 75-99-0 | Dalapon | 0.2 |
| 96-12-8 | Dibromochloropropane | 0.0002 |
| 103-23-1 | Di(2-ethylhexyl)adipate | 0.4 |
| 117-81-7 | Di(2-ethylhexyl)phthalate | 0.006 |
| 88-85-7 | Dinoseb | 0.007 |
| 85-00-7 | Diquat | 0.02 |
| 145-73-3 | Endothall | 0.1 |
| 72-20-8 | Endrin | 0.002 |
| 106-93-4 | Ethylene dibromide | 0.00005 |
| 1071-53-6 | Glyphosate | 0.7 |
| 76-44-8 | Heptachlor | 0.0004 |
| 1024-57-3 | Heptachlor epoxide | 0.0002 |
| 118-74-1 | Hexachlorobenzene | 0.001 |
| 77-47-4 | Hexachlorocyclopentadiene | 0.05 |
| 58-89-9 | Lindane | 0.0002 |
| 72-43-5 | Methoxychlor | 0.04 |
| 23135-22-0 | Oxamyl (Vydate) | 0.2 |
| 87-86-5 | Pentachlorophenol | 0.001 |
| 1918-02-1 | Picloram | 0.5 |
| 1336-36-3 | Polychlorinated biphenyls (PCBs) | 0.0005 |
| 122-34-9 | Simazine | 0.004 |
| 1746-01-6 | 2,3,7,8-TCDD (Dioxin) | 0.00000003 |
| 8001-35-2 | Toxaphene | 0.003 |
| 93-72-1 | 2,4,5-TP | 0.05 |

\* See the Board note at the end of this Section.

BOARD NOTE: This Section derives from 40 CFR 141.61. More stringent state MCLs for 2,4-D, heptachlor, and heptachlor epoxide appear at Section 611.310. In 40 CFR 141.6(g), USEPA postponed the effectiveness of the MCLs for aldicarb, aldicarb sulfone, and aldicarb sulfoxide until it took further action on those MCLs. See 40 CFR 141.6(g) and 57 Fed. Reg. 22178 (May 27, 1992). USEPA later stated that it anticipated taking no action until 2005 on a federal national primary drinking water regulation (NPDWR) applicable to the aldicarbs. 68 Fed. Reg. 31108 (May 27, 2003). In 2005, USEPA indicated no projected date for final action on the aldicarbs. See 70 Fed. Reg. 27501, 671 (May 16, 2005). An entry for the aldicarbs last appeared in USEPA's Spring 2007 semiannual regulatory agenda, indicating no projected dates for further action. See 72 Fed. Reg. 23156, 97 (Apr. 30, 2007); see also 72 Fed. Reg. 70118, 23 (Dec. 10, 2007) (the first USEPA regulatory agenda that included no entry for the aldicarbs). As of early 2022, USEPA did not include the aldicarbs among the NPDWRs on its webpage. USEPA, Ground Water and Drinking Water, National Primary Drinking Water Regulations (www.epa.gov/ground-water-and-drinking-water/national-primary-drinking-water-regulations; accessed February 16, 2022). While the Board must maintain entries for aldicarb, aldicarb sulfoxide, and aldicarb sulfone to maintain consistency with the literal text of the federal rules (*see* Sections 7.2 and 17.5 of the Act; 42 U.S.C. 300g-2; 40 CFR 142.10), the Board intends that no aldicarb requirements apply in Illinois until after USEPA adopts such requirements, and the Board removes this statement.

(Source: Amended at 47 Ill. Reg. 16486, effective November 2, 2023)