**Note to Readers on Proposed Revisions to Table 33C**:

DEQ proposes to make revisions to Table 33C to be consistent with Agency table formatting requirements. Other revisions would rename Table 33C as Table 31 and remove arsenic guidance values which are unnecessary because Oregon has aquatic life criteria for arsenic. In addition, DEQ is correcting a reference to Oregon’s Toxic Substances Narrative. The correct reference is OAR 340-041-0033(2).

**TABLE 31:Aquatic Life Water Quality Guidance Values for Toxic PollutantsA**

*Effective April 18, 2014***Water Quality Guidance Values Summary**

The concentration for each compound listed in Table 31 is a guidance value that can be used in application of Oregon’s Toxic Substances Narrative (340-041-0033(2)) to waters of the state in order to protect aquatic life. All values are expressed as micrograms per liter (µg/L) except where noted. Compounds are listed in alphabetical order with the corresponding EPA number (from National Recommended Water Quality Criteria: 2002, EPA-822-R-02-047), corresponding Chemical Abstract Service (CAS) number, aquatic life freshwater acute and chronic guidance values, and aquatic life saltwater acute and chronic guidance values.

| Table 31  **Water Quality Guidance Values Summary** | | | | | | |
| --- | --- | --- | --- | --- | --- | --- |
| **EPA No.** | **Compound** | **CAS Number** |  | | | |
| **Freshwater** | | **Saltwater** | |
| **Acute** | **Chronic** | **Acute** | **Chronic** |
| 56 | Acenaphthene | 83329 | 1,700 | 520 | 970 | 710 |
| 17 | Acrolein | 107028 | 68 | 21 | 55 |  |
| 18 | Acrylonitrile | 107131 | 7,550 | 2,600 |  |  |
| 1 | Antimony | 7440360 | 9,000 | 1,600 |  |  |
| 19 | Benzene | 71432 | 5,300 |  | 5,100 | 700 |
| 59 | Benzidine | 92875 | 2,500 |  |  |  |
| 3 | Beryllium | 7440417 | 130 | 5.3 |  |  |
| 19 B | BHC (Hexachlorocyclohexane-Technical) | 319868 | 100 |  | 0.34 |  |
| 21 | Carbon Tetrachloride | 56235 | 35,200 |  | 50,000 |  |
|  | Chlorinated Benzenes |  | 250 | 50 | 160 | 129 |
|  | Chlorinated naphthalenes |  | 1,600 |  | 7.5 |  |
|  | Chloroalkyl Ethers |  | 238,000 |  |  |  |
| 26 | Chloroform | 67663 | 28,900 | 1,240 |  |  |
| 45 | Chlorophenol 2- | 95578 | 4,380 | 2,000 |  |  |
|  | Chlorophenol 4- | 106489 |  |  | 29,700 |  |
| 52 | Methyl-4-chlorophenol 3- | 59507 | 30 |  |  |  |
| 5a | Chromium (III) | 16065831 |  |  | 10,300 |  |
| 109 | DDE 4,4'- | 72559 | 1,050 |  | 14 |  |
| 110 | DDD 4,4'- | 72548 | 0.06 |  | 3.6 |  |
|  | Diazinon | 333415 | 0.08 | 0.05 |  |  |
|  | Dichlorobenzenes |  | 1,120 | 763 | 1,970 |  |
| 29 | Dichloroethane 1,2- | 107062 | 118,000 | 20,000 | 113,000 |  |
|  | Dichloroethylenes |  | 11,600 |  | 224.000 |  |
| 46 | Dichlorophenol 2,4- | 120832 | 2,020 | 365 |  |  |
| 31 | Dichloropropane 1,2- | 78875 | 23,000 | 5,700 | 10,300 | 3,040 |
| 32 | Dichloropropene 1,3- | 542756 | 6,060 | 244 | 790 |  |
| 47 | Dimethylphenol 2,4- | 105679 | 2,120 |  |  |  |
|  | Dinitrotoluene |  | 330 | 230 | 590 | 370 |
| 16 | Dioxin (2,3,7,8-TCDD) | 1746016 | 0.01 | 38pg/L |  |  |
| 85 | Diphenylhydrazine 1,2- | 122667 | 270 |  |  |  |
| 33 | Ethylbenzene | 100414 | 32,000 |  | 430 |  |
| 86 | Fluoranthene | 206440 | 3,980 |  | 40 | 16 |
|  | Haloethers |  | 360 | 122 |  |  |
|  | Halomethanes |  | 11,000 |  | 12,000 | 6,400 |
| 89 | Hexachlorobutadiene | 87683 | 90 | 9.3 | 32 |  |
| 90 | Hexachlorocyclopentadiene | 77474 | 7 | 5.2 | 7 |  |
| 91 | Hexachloroethane | 67721 | 980 | 540 | 940 |  |
| 93 | Isophorone | 78591 | 117,000 |  | 12,900 |  |
| 94 | Naphthalene | 91203 | 2,300 | 620 | 2,350 |  |
| 95 | Nitrobenzene | 98953 | 27,000 |  | 6,680 |  |
|  | Nitrophenols |  | 230 | 150 | 4,850 |  |
| 26 B | Nitrosamines | 35576911 | 5,850 |  | 3,300,000 |  |
|  | Pentachlorinated ethanes |  | 7,240 | 1,100 | 390 | 281 |
| 54 | Phenol | 108952 | 10,200 | 2,560 | 5,800 |  |
|  | Phthalate esters |  | 940 | 3 | 2,944 | 3.4 |
|  | Polynuclear Aromatic Hydrocarbons |  |  |  | 300 |  |
|  | Tetrachlorinated Ethanes |  | 9,320 |  |  |  |
| 37 | Tetrachloroethane 1,1,2,2- | 79345 |  | 2,400 | 9,020 |  |
|  | Tetrachloroethanes |  | 9,320 |  |  |  |
| 38 | Tetrachloroethylene | 127184 | 5,280 | 840 | 10,200 | 450 |
|  | Tetrachlorophenol 2,3,5,6 |  |  |  |  | 440 |
| 12 | Thallium | 7440280 | 1,400 | 40 | 2,130 |  |
| 39 | Toluene | 108883 | 17,500 |  | 6,300 | 5,000 |
|  | Trichlorinated ethanes |  | 18,000 |  |  |  |
| 41 | Trichloroethane 1,1,1- | 71556 |  |  | 31,200 |  |
| 42 | Trichloroethane 1,1,2- | 79005 |  | 9,400 |  |  |
| 43 | Trichloroethylene | 79016 | 45,000 | 21,900 | 2,000 |  |
| 55 | Trichlorophenol 2,4,6- | 88062 |  | 970 |  |  |

The following chemicals/compounds/classes are of concern due to the potential for toxic effects to aquatic organisms; however, no guidance values are designated. If these compounds are identified in the waste stream, then a review of the scientific literature may be appropriate for deriving guidance values.

Polybrominated diphenyl ethers (PBDE)

Polybrominated biphenyls (PBB)

Pharmaceuticals

Personal care products

Alkyl Phenols

Other chemicals with Toxic effects

**Footnotes:**

A Values in Table 31 are applicable to all basins.

B This number was assigned to the list of non-priority pollutants in National Recommended Water Quality Criteria: 2002 (EPA-822-R-02-047).