

ISOR Attachment 3. Occurrence for PWS Drinking Water Sources using the Highest Annual Average from 1/1/2011 to 1/1/2023

| Chemical Name | Units | PHG | PHG Basis | HPC | DLR | MCL ¹ | Sources Tested | Sources Above PHG ² | Sources Above DLR ² | Sources Above MCL ² |
|---|-------|------------|-----------|-----------|----------|------------------|----------------|--------------------------------|--------------------------------|--------------------------------|
| DLR is greater than PHG | | | | | | | | | | |
| Antimony | ug/L | 1 | noncancer | - | 6 | 6 | 11,259 | 10,874 | 38 | 38 |
| Arsenic | ug/L | 0.004 | cancer | 0.9 | 2 | 10 | 11,433 | 11,433 | 5,346 | 1,032 |
| Atrazine | ug/L | 0.15 | cancer | 34 | 0.5 | 1 | 9,119 | 9,060 | 69 | 0 |
| Benzene | ug/L | 0.15 | cancer | 26 | 0.5 | 1 | 10,989 | 10,989 | 15 | 7 |
| Benzo(a)pyrene | ug/L | 0.007 | cancer | 4 | 0.1 | 0.2 | 5,708 | 5,701 | 623 | 1 |
| Bromate | ug/L | 0.1 | cancer | 50 | 5 | 10 | 171 | 169 | 10 | 5 |
| Cadmium | ug/L | 0.04 | noncancer | - | 1 | 5 | 11,259 | 11,258 | 187 | 23 |
| Carbofuran | ug/L | 0.7 | noncancer | - | 5 | 18 | 5,181 | 5,166 | 1 | 0 |
| Carbon Tetrachloride | ug/L | 0.1 | cancer | 5 | 0.5 | 0.5 | 10,984 | 10,984 | 111 | 111 |
| Chlordane | ug/L | 0.03 | cancer | 0.02 | 0.1 | 0.1 | 4,816 | 4,816 | 479 | 479 |
| 1,2-Dibromo-3-chloropropane | ug/L | 0.003 | cancer | 0.2 | 0.01 | 0.2 | 7,592 | 2,784 | 554 | 110 |
| 1,2-Dibromoethane (ethylene dibromide) | ug/L | 0.01 | cancer | 50 | 0.02 | 0.05 | 7,413 | 2,096 | 41 | 10 |
| 1,2-Dichloroethane | ug/L | 0.4 | cancer | 480 | 0.5 | 0.5 | 10,981 | 10,981 | 52 | 52 |
| 1,3-Dichloropropene | ug/L | 0.2 | cancer | 90 | 0.5 | 0.5 | 10,941 | 10,941 | 3 | 3 |
| Haloacetic Acids: Dibromoacetic Acid | ug/L | 0.03 | cancer | - | 1 | 60 ³ | 570 | 570 | 126 | - |
| Haloacetic Acids: Dichloroacetic Acid | ug/L | 0.2 | cancer | - | 1 | 60 ³ | 570 | 562 | 114 | - |
| Haloacetic Acids: Trichloroacetic Acid | ug/L | 0.1 | cancer | - | 1 | 60 ³ | 570 | 570 | 122 | - |
| Heptachlor | ug/L | 0.008 | cancer | 3 | 0.01 | 0.01 | 4,924 | 1,253 | 1 | 1 |
| Heptachlor Epoxide | ug/L | 0.006 | cancer | 0.025 | 0.01 | 0.01 | 4,929 | 1,272 | 2 | 2 |
| Hexachlorobenzene | ug/L | 0.03 | cancer | 0.23 | 0.5 | 1 | 5,201 | 5,142 | 3 | 0 |
| Lindane | ug/L | 0.032 | cancer | 0.08 | 0.2 | 0.2 | 5,176 | 5,040 | 524 | 524 |
| Lead | ug/L | 0.2 | noncancer | - | 5 | 15 | 10,041 | 10,007 | 556 | 144 |
| Methoxychlor | ug/L | 0.09 | noncancer | - | 10 | 30 | 5,157 | 5,035 | 7 | 1 |
| Molinate | ug/L | 1 | cancer | 2 | 2 | 20 | 6,938 | 6,598 | 2 | 0 |
| Perchlorate | ug/L | 1 | noncancer | - | 2 | 6 | 11,144 | 11,115 | 10,887 | 186 |
| Polychlorinated Biphenyls | ug/L | 0.09 | cancer | 0.3 | 0.5 | 0.5 | 4,442 | 4,440 | 0 | 0 |
| Radium-226 | pCi/L | 0.05 | cancer | 200 | 1 | 5 ⁴ | 3,578 | 3,472 | 208 | - |
| Radium-228 | pCi/L | 0.019 | cancer | 200 | 1 | 5 ⁴ | 6,038 | 5,993 | 887 | - |
| Strontium-90 | pCi/L | 0.35 | cancer | 600 | 2 | 8 | 388 | 388 | 4 | 1 |
| 2,3,7,8-Tetrachlorodibenzo-p-dioxin and related compounds (TCDDs) | ug/L | 0.00000005 | cancer | 0.0000017 | 0.000005 | 0.00003 | 3,401 | 2,405 | 2,405 | 2,405 |
| 1,1,2,2-Tetrachloroethane | ug/L | 0.1 | cancer | 15 | 0.5 | 1 | 10,980 | 10,980 | 1 | 1 |
| Tetrachloroethylene | ug/L | 0.06 | cancer | 11 | 0.5 | 5 | 10,984 | 10,984 | 592 | 137 |
| Thallium | ug/L | 0.1 | noncancer | - | 1 | 2 | 11,254 | 11,251 | 65 | 13 |
| Toxaphene | ug/L | 0.03 | cancer | 10 | 1 | 3 | 4,820 | 4,820 | 2 | 0 |
| 1,1,2-Trichloroethane | ug/L | 0.3 | cancer | 5 | 0.5 | 5 | 10,980 | 10,980 | 16 | 0 |
| 1,2,3-Trichloropropane | ug/L | 0.0007 | cancer | 80 | 0.005 | 0.005 | 11,030 | 5,977 | 1,681 | 1,681 |
| Trihalomethanes: Bromodichloromethane | ug/L | 0.06 | cancer | 13 | 1 | 80 ⁵ | 10,140 | 10,140 | 588 | - |

SWRCB-DDW-21-003
Hexavalent Chromium MCL

| Chemical Name | Units | PHG | PHG Basis | HPC | DLR | MCL ¹ | Sources Tested | Sources Above PHG ² | Sources Above DLR ² | Sources Above MCL ² |
|---|-------|-------|-----------|------------|-------|------------------|----------------|--------------------------------|--------------------------------|--------------------------------|
| Trihalomethanes: Bromoform | ug/L | 0.5 | cancer | 425 | 1 | 80 ⁵ | 10,137 | 9,310 | 699 | - |
| Trihalomethanes: Chloroform | ug/L | 0.4 | cancer | 170 | 1 | 80 ⁵ | 10,139 | 10,139 | 1,086 | - |
| Trihalomethanes: Dibromochloromethane | ug/L | 0.1 | cancer | 109 | 1 | 80 ⁵ | 10,138 | 10,138 | 642 | - |
| Tritium | pCi/L | 400 | cancer | 60,000,000 | 1,000 | 20,000 | 376 | 213 | 3 | 0 |
| Uranium | pCi/L | 0.43 | cancer | - | 1 | 20 | 5,671 | 5,590 | 4,062 | 294 |
| Vinyl chloride | ug/L | 0.05 | cancer | 3 | 0.5 | 0.5 | 10,983 | 10,983 | 4 | 4 |
| DLR is equal to or less than the PHG | | | | | | | | | | |
| Aluminum | ug/L | 600 | noncancer | - | 50 | 1,000 | 11,302 | 338 | 2,089 | 190 |
| Beryllium and Beryllium Compounds | ug/L | 1 | noncancer | - | 1 | 4 | 11,258 | 35 | 35 | 5 |
| Chlorite | ug/L | 50 | noncancer | - | 20 | 1,000 | 90 | 1 | 4 | 0 |
| Copper | ug/L | 300 | noncancer | - | 50 | 1,300 | 10,660 | 79 | 673 | 12 |
| Di(2-ethylhexyl)adipate | ug/L | 200 | noncancer | - | 5 | 400 | 5,740 | 0 | 3 | 0 |
| 1,1-Dichloroethane | ug/L | 3 | cancer | 140 | 0.5 | 5 | 10,981 | 2 | 32 | 0 |
| 2,4-Dichlorophenoxyacetic Acid | ug/L | 20 | noncancer | - | 10 | 70 | 5,809 | 0 | 1 | 0 |
| 1,2-Dichloropropane | ug/L | 0.5 | cancer | 630 | 0.5 | 5 | 10,981 | 34 | 34 | 0 |
| Diquat | ug/L | 6 | noncancer | - | 4 | 20 | 5,192 | 5 | 9 | 0 |
| Endothall | ug/L | 94 | noncancer | - | 45 | 100 | 4,809 | 1 | 2 | 1 |
| Endrin | ug/L | 0.3 | noncancer | - | 0.1 | 2 | 4,998 | 0 | 505 | 0 |
| Fluoride | ug/L | 1,000 | noncancer | - | 100 | 2,000 | 12,048 | 585 | 9,337 | 207 |
| Haloacetic Acids: Monobromoacetic Acid | ug/L | 25 | cancer | - | 1 | 60 ³ | 570 | 0 | 25 | - |
| Haloacetic Acids: Monochloroacetic Acid | ug/L | 53 | cancer | - | 1 | 60 ³ | 570 | 0 | 514 | - |
| Hexachlorocyclopentadiene | ug/L | 2 | noncancer | - | 1 | 50 | 5,219 | 0 | 5 | 0 |
| Mercury (Inorganic) | ug/L | 1.2 | noncancer | - | 1 | 2 | 11,262 | 46 | 62 | 28 |
| Methylene Chloride (Dichloromethane) | ug/L | 4 | cancer | 13.3 | 0.5 | 5 | 10,980 | 29 | 221 | 27 |
| Nickel and Nickel Compounds | ug/L | 12 | noncancer | - | 10 | 100 | 11,254 | 548 | 702 | 20 |
| Oxamyl | ug/L | 26 | noncancer | - | 20 | 50 | 5,152 | 0 | 0 | 0 |
| Pentachlorophenol | ug/L | 0.3 | cancer | 5 | 0.2 | 1 | 5,668 | 10 | 540 | 0 |
| Picloram | ug/L | 166 | noncancer | - | 1 | 500 | 5,548 | 0 | 7 | 0 |
| Selenium | ug/L | 30 | noncancer | - | 5 | 50 | 11,260 | 79 | 936 | 43 |
| Silvex (2,4,5-TP) | ug/L | 3 | noncancer | - | 1 | 50 | 5,569 | 0 | 1 | 0 |
| Styrene | ug/L | 0.5 | cancer | 4 | 0.5 | 100 | 10,981 | 51 | 51 | 0 |
| Thiobencarb | ug/L | 42 | noncancer | - | 1 | 70 | 7,690 | 0 | 0 | 0 |
| Trichloroethylene | ug/L | 1.7 | cancer | 1,000 | 0.5 | 5 | 10,984 | 237 | 440 | 140 |
| Does not yet have DLR or MCL | | | | | | | | | | |
| n-Nitrosodimethylamine | ug/L | 0.003 | cancer | - | - | - | 363 | 36 | - | - |

¹ The values listed in the maximum contaminant level (MCL) column may be action levels or other primary drinking water standards.

² The number of sources was calculated using the highest annual average for each non-emergency source, and determining how many of those sources were above each level (PHG, DLR, MCL).

³ The Haloacetic Acids (HAA5s) MCL of 60 ug/L is for the combined sum of the haloacetic acids.

⁴ Radium-226 and Radium-228 have a combined MCL of 5 pCi/L for the combined sum of Radium-226 and Radium-228.

⁵ The Trihalomethanes (THMs) MCL of 80 ug/L is for the combined sum of the trihalomethanes.