

Sonoma County Water Agency - Caissons 1 thru 6 - 2016 Water Quality Report

| CLARITY OF WATER FROM GROUNDWATER SOURCES | MCL | Units | Sample Frequency | Caisson 1 | Caisson 2 | Caisson 3 | Caisson 4 | Caisson 5 | Caisson 6 |
|---|------------------|-------|------------------|---|---|---|---|---|--|
| Turbidity ⁽¹⁾ | 5 ⁽³⁾ | NTU | continuous | average 0.038 range (0.02 - 2.0) | average 0.037 range (0.02 - 2.0) | average 0.047 range (0.02 - 2.0) | average 0.043 range (0.02 - 2.0) | average 0.043 range (0.01 - 2.0) | average 0.035 range (0.02 - 0.76) |

| MICROBIOLOGICAL - Coliform Bacteria | MCL | Units | # Samples | Distribution System Monitoring for 2016 |
|---|--------------------------------|---------------------|-----------|---|
| | < 2 positive samples per month | coliforms/100ml | 520 | [0] positive samples |
| DISINFECTANT - Total Chlorine Residual | > 95% per month | detectable residual | 615 | Detectable residual in 100% of samples taken |
| Total Trihalomethanes ⁽²⁾ - Tank Samples | 0.080 | mg/L | 72 | average = 0.0163 mg/L range = (0.0095 mg/L - 0.0275 mg/L) |

| VOLATILE ORGANIC COMPOUNDS <i>Section 64444 - Table A</i> | Units | STATE MCL | DLR | PHG { MCLG } | Caisson 1 | Caisson 2 | Caisson 3 | Caisson 4 | Caisson 5 | Caisson 6 |
|--|-------|-----------|--------|--------------|-----------|-----------|-----------|-----------|-----------|-----------|
| | | | | | 31-Aug-16 | 31-Aug-16 | 30-Aug-16 | 30-Aug-16 | 30-Aug-16 | 31-Aug-16 |
| Benzene | mg/L | 0.001 | 0.0005 | 0.00015 | ND | ND | ND | ND | ND | ND |
| Carbon Tetrachloride | mg/L | 0.0005 | 0.0005 | 0.0001 | ND | ND | ND | ND | ND | ND |
| 1,2-Dichlorobenzene (o-DCB) | mg/L | 0.6 | 0.0005 | 0.6 | ND | ND | ND | ND | ND | ND |
| 1,4-Dichlorobenzene (p-DCB) | mg/L | 0.005 | 0.0005 | 0.006 | ND | ND | ND | ND | ND | ND |
| 1,1-Dichloroethane (1,1-DCA) | mg/L | 0.005 | 0.0005 | 0.003 | ND | ND | ND | ND | ND | ND |
| 1,2-Dichloroethane (1,2-DCA) | mg/L | 0.0005 | 0.0005 | 0.0004 | ND | ND | ND | ND | ND | ND |
| 1,1-Dichloroethylene (1,1-DCE) | mg/L | 0.006 | 0.0005 | 0.01 | ND | ND | ND | ND | ND | ND |
| cis-1,2-Dichloroethylene (c-1,2-DCE) | mg/L | 0.006 | 0.0005 | 0.1 | ND | ND | ND | ND | ND | ND |
| trans-1,2-Dichloroethylene (t-1,2-DCE) | mg/L | 0.01 | 0.0005 | 0.06 | ND | ND | ND | ND | ND | ND |
| Dichloromethane (Methylene Chloride) | mg/L | 0.005 | 0.0005 | 0.004 | ND | ND | ND | ND | ND | ND |
| 1,2-Dichloropropane | mg/L | 0.005 | 0.0005 | 0.0005 | ND | ND | ND | ND | ND | ND |
| 1,3-Dichloropropane | mg/L | 0.0005 | 0.0005 | 0.0002 | ND | ND | ND | ND | ND | ND |
| Ethylbenzene | mg/L | 0.3 | 0.0005 | 0.3 | ND | ND | ND | ND | ND | ND |
| Methyl tert-butyl ether (MTBE) ⁽⁴⁾ | mg/L | 0.0 | 0.003 | 0.013 | ND | ND | ND | ND | ND | ND |
| Monochlorobenzene (Chlorobenzene) | mg/L | 0.07 | 0.0005 | 0.07 | ND | ND | ND | ND | ND | ND |
| Styrene | mg/L | 0.1 | 0.0005 | 0.0005 | ND | ND | ND | ND | ND | ND |
| 1,1,2,2-Tetrachloroethane | mg/L | 0.001 | 0.0005 | 0.0001 | ND | ND | ND | ND | ND | ND |
| Tetrachloroethylene (PCE) | mg/L | 0.005 | 0.0005 | 0.00006 | ND | ND | ND | ND | ND | ND |
| Toluene | mg/L | 0.15 | 0.0005 | 0.15 | ND | ND | ND | ND | ND | ND |
| 1,2,4-Trichlorobenzene | mg/L | 0.005 | 0.0005 | 0.005 | ND | ND | ND | ND | ND | ND |
| 1,1,1-Trichloroethane (1,1,1-TCA) | mg/L | 0.2 | 0.0005 | 1.0 | ND | ND | ND | ND | ND | ND |
| 1,1,2-Trichloroethane (1,1,2-TCA) | mg/L | 0.005 | 0.0005 | 0.0003 | ND | ND | ND | ND | ND | ND |
| Trichloroethylene (TCE) | mg/L | 0.005 | 0.0005 | 0.0017 | ND | ND | ND | ND | ND | ND |
| Trichlorofluoromethane (Freon 11) | mg/L | 0.15 | 0.005 | 1.3 | ND | ND | ND | ND | ND | ND |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113) | mg/L | 1.2 | 0.01 | 4 | ND | ND | ND | ND | ND | ND |
| Vinyl Chloride (VC) | mg/L | 0.0005 | 0.0005 | 0.00005 | ND | ND | ND | ND | ND | ND |
| Xylenes (m,p, & o) | mg/L | 1.75 | 0.0005 | 1.8 | ND | ND | ND | ND | ND | ND |

⁽¹⁾ Turbidity: **Annual average** is the mean of the monthly average values, weighted by hours of pump operation each month.

Range refers to the minimum and maximum Turbidity readings recorded by the online Turbidimeters at each site.

⁽²⁾ Total Trihalomethanes: 40 CFR Section 141.12 - Is the sum of the concentrations of Bromodichloromethane, Dibromochloromethane, Bromoform, and Chloroform.

⁽³⁾ MCL: Secondary Standard.

⁽⁴⁾ Methyl tert-butyl ether (MTBE) is listed in both the Primary (Organic Chemicals - VOCs) and Secondary standards.

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| SYNTHETIC ORGANIC COMPOUNDS <i>Section 64444 - Table A</i> | Units | STATE MCL | DLR | PHG { MCLG } | Caisson 1 | Caisson 2 | Caisson 3 | Caisson 4 | Caisson 5 | Caisson 6 |
|---|-------|----------------------|----------------------|-----------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| | | | | | 31-Aug-16 | 31-Aug-16 | 30-Aug-16 | 30-Aug-16 | 30-Aug-16 | 31-Aug-16 |
| Alachlor | mg/L | 0.002 | 0.001 | 0.004 | ND | ND | ND | ND | ND | ND |
| Atrazine | mg/L | 0.001 | 0.0005 | 0.00015 | ND | ND | ND | ND | ND | ND |
| Bentazon | mg/L | 0.018 | 0.002 | 0.2 | ND | ND | ND | ND | ND | ND |
| Benzo(a)pyrene | mg/L | 0.0002 | 0.0001 | 0.000007 | ND | ND | ND | ND | ND | ND |
| Carbofuran | mg/L | 0.018 | 0.005 | 0.0007 | ND | ND | ND | ND | ND | ND |
| Chlordane | mg/L | 0.0001 | 0.0001 | 0.00003 | ND | ND | ND | ND | ND | ND |
| 2,4 - Dichlorophenoxyacetic acid (2,4-D) | mg/L | 0.07 | 0.01 | 0.02 | ND | ND | ND | ND | ND | ND |
| Dalapon | mg/L | 0.2 | 0.01 | 0.79 | ND | ND | ND | ND | ND | ND |
| Dibromochloropropane (DBCP) | mg/L | 0.0002 | 0.00001 | 0.0000017 | ND | ND | ND | ND | ND | ND |
| Di(2-ethylhexyl)adipate | mg/L | 0.4 | 0.005 | 0.2 | ND | ND | ND | ND | ND | ND |
| Di(2-ethylhexyl)phthalate (DEHP) | mg/L | 0.004 | 0.003 | 0.012 | ND | ND | ND | ND | ND | ND |
| Dinoseb | mg/L | 0.007 | 0.002 | 0.014 | ND | ND | ND | ND | ND | ND |
| Diquat | mg/L | 0.02 | 0.004 | 0.006 | ND | ND | ND | ND | ND | ND |
| Endothall | mg/L | 0.1 | 0.045 | 0.094 | ND | ND | ND | ND | ND | ND |
| Endrin | mg/L | 0.002 | 0.0001 | 0.0003 | ND | ND | ND | ND | ND | ND |
| Ethylene Dibromide (EDB) | mg/L | 0.00005 | 0.00002 | 0.00001 | ND | ND | ND | ND | ND | ND |
| Glyphosate | mg/L | 0.7 | 0.025 | 0.9 | ND | ND | ND | ND | ND | ND |
| Heptachlor | mg/L | 0.00001 | 0.00001 | 0.000008 | ND | ND | ND | ND | ND | ND |
| Heptachlor Epoxide | mg/L | 0.00001 | 0.00001 | 0.000006 | ND | ND | ND | ND | ND | ND |
| Hexachlorobenzene | mg/L | 0.001 | 0.0005 | 0.00003 | ND | ND | ND | ND | ND | ND |
| Hexachlorocyclopentadiene | mg/L | 0.05 | 0.001 | 0.002 | ND | ND | ND | ND | ND | ND |
| Lindane (gamma - BHC) | mg/L | 0.0002 | 0.0002 | 0.000032 | ND | ND | ND | ND | ND | ND |
| Methoxychlor | mg/L | 0.03 | 0.01 | 0.00009 | ND | ND | ND | ND | ND | ND |
| Molinate | mg/L | 0.02 | 0.002 | 0.001 | ND | ND | ND | ND | ND | ND |
| Oxamyl | mg/L | 0.05 | 0.02 | 0.026 | ND | ND | ND | ND | ND | ND |
| Pentachlorophenol | mg/L | 0.001 | 0.0002 | 0.0003 | ND | ND | ND | ND | ND | ND |
| Picloram | mg/L | 0.5 | 0.001 | 0.166 | ND | ND | ND | ND | ND | ND |
| Polychlorinated Biphenyls (PCBs) | mg/L | 0.0005 | 0.0005 | 0.00009 | ND | ND | ND | ND | ND | ND |
| Simazine | mg/L | 0.004 | 0.001 | 0.004 | ND | ND | ND | ND | ND | ND |
| Thiobencarb ⁽⁵⁾ | mg/L | 0.07 | 0.001 | 0.042 | ND | ND | ND | ND | ND | ND |
| Toxaphene | mg/L | 0.003 | 0.001 | 0.00003 | ND | ND | ND | ND | ND | ND |
| 2,3,7,8-TCDD (Dioxin) | mg/L | 3 x 10 ⁻⁸ | 5 x 10 ⁻⁹ | 5 x 10 ⁻¹¹ | ND | ND | ND | ND | ND | ND |
| 2,4,5-TP (Silvex) | mg/L | 0.05 | 0.001 | 0.003 | ND | ND | ND | ND | ND | ND |

⁽⁵⁾ Thiobencarb is listed in both the Primary (Organic Chemicals - SOCs) and Secondary standards.

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| INORGANIC CHEMICALS <i>Section 64431 - Table A</i> | Units | STATE | DLR | PHG | Caisson 1 | Caisson 2 | Caisson 3 | Caisson 4 | Caisson 5 | Caisson 6 |
|---|-------|-------|-------|----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | | MCL | | { MCLG } | 31-Aug-16 | 31-Aug-16 | 30-Aug-16 | 30-Aug-16 | 30-Aug-16 | 31-Aug-16 |
| Aluminum ⁽⁶⁾ | µg/L | 1000 | 50 | 600 | < 50 | < 50 | < 50 | < 50 | < 50 | < 50 |
| Antimony | µg/L | 6 | 6 | 1 | < 6.0 | < 6.0 | < 6.0 | < 6.0 | < 6.0 | < 6.0 |
| Arsenic | µg/L | 10 | 2 | 0.004 | < 2.0 | < 2.0 | < 2.0 | < 2.0 | < 2.0 | < 2.0 |
| Asbestos | MFL | 7 | 0.2 | 7 | < 0.2 | < 0.2 | < 0.2 | < 0.2 | < 0.2 | < 0.2 |
| Barium | µg/L | 1000 | 100 | 2000 | < 100 | < 100 | < 100 | < 100 | < 100 | < 100 |
| Beryllium | µg/L | 4 | 1 | 1 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Cadmium | µg/L | 5 | 1 | 0.04 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Chromium | µg/L | 50 | 10 | { 100 } | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 |
| Chromium, Hexavalent (CrVI) | µg/L | 10 | 1.0 | 0.02 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 |
| Cyanide | mg/L | 0.15 | 0.1 | 0.15 | < 0.0030 | < 0.0030 | < 0.0030 | < 0.0030 | < 0.0030 | < 0.0030 |
| Fluoride (F) Natural-Source | mg/L | 2.0 | 0.1 | 1 | 0.11 | 0.11 | 0.10 | 0.11 | 0.11 | 0.10 |
| Mercury | µg/L | 2 | 1 | 1.2 | < 0.20 | < 0.20 | < 0.20 | < 0.20 | < 0.20 | < 0.20 |
| Nickel | µg/L | 100 | 10 | 12 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 |
| Nitrate (as N) | mg/L | 10 | 0.40 | 10 | < 0.40 | < 0.40 | < 0.40 | < 0.40 | < 0.40 | < 0.40 |
| Nitrate + Nitrite (as N) | mg/L | 10 | - - - | 10 | < 0.40 | < 0.40 | < 0.40 | < 0.40 | < 0.40 | < 0.40 |
| Nitrite (as N) | mg/L | 1 | 0.40 | 1 | < 0.20 | < 0.20 | < 0.20 | < 0.20 | < 0.20 | < 0.20 |
| Perchlorate | µg/L | 6 | 4 | 1 | < 4.0 | < 4.0 | < 4.0 | < 4.0 | < 4.0 | < 4.0 |
| Selenium | µg/L | 50 | 5 | 30 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 |
| Thallium | µg/L | 2 | 1 | 0.1 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |

| RADIONUCLIDE - <i>Section 64442</i> | Units | STATE | DLR | PHG | Next Complete Sampling Due 2023 | | | | | |
|---|-------|-------|-----|----------|---------------------------------|---------------|---------------|---------------|---------------|---------------|
| | | | | | Caisson 1 | Caisson 2 | Caisson 3 | Caisson 4 | Caisson 5 | Caisson 6 |
| Gross Alpha (4 quarterly samples every 9 years) | | MCL | | { MCLG } | | | | | | |
| 11-Mar-14 | pCi/L | 15 | 3 | { 0 } | 0.907 ± 1.10 | 0.455 ± 0.893 | 0.588 ± 0.977 | 0.936 ± 1.14 | 0.121 ± 0.777 | 0.000 ± 0.763 |
| 24-Jun-14 | pCi/L | 15 | 3 | { 0 } | 0.113 ± 0.729 | 0.377 ± 0.854 | 0.047 ± 0.772 | 0.000 ± 0.694 | 0.000 ± 0.705 | 0.396 ± 0.944 |
| 19-Aug-14 | pCi/L | 15 | 3 | { 0 } | 0.045 ± 0.740 | | 0.000 ± 0.650 | | 0.000 ± 0.728 | |
| 20-Aug-14 | pCi/L | 15 | 3 | { 0 } | | 0.277 ± 0.803 | | 0.366 ± 0.829 | | 1.36 ± 1.20 |
| 18-Nov-14 | pCi/L | 15 | 3 | { 0 } | | 0.000 ± 0.671 | 0.000 ± 0.749 | 0.380 ± 0.906 | 0.266 ± 0.769 | 0.337 ± 0.933 |
| 19-Nov-14 | pCi/L | 15 | 3 | { 0 } | 0.019 ± 0.724 | | | | | |

⁽⁶⁾ Aluminum is listed in both the Primary (Inorganic Chemicals) and Secondary standards.

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| SECONDARY STANDARDS <i>Section 64449 - Table A</i> | Units | Secondary MCL | DLR | PHG { MCLG } | Caisson 1 | Caisson 2 | Caisson 3 | Caisson 4 | Caisson 5 | Caisson 6 |
|---|-------------|---------------------|-------|-----------------|------------|------------|------------|------------|------------|------------|
| | | | | | 31-Aug-16 | 31-Aug-16 | 30-Aug-16 | 30-Aug-16 | 30-Aug-16 | 31-Aug-16 |
| Aluminum ⁽⁶⁾ | µg/L | 200 | 50 | 600 | < 50 | < 50 | < 50 | < 50 | < 50 | < 50 |
| Color | Color Units | 15 | | | < 3.0 | < 3.0 | < 3.0 | < 3.0 | < 3.0 | < 3.0 |
| Copper | µg/L | 1300 ⁽⁷⁾ | 50 | 300 | < 50 | < 50 | < 50 | < 50 | < 50 | < 50 |
| Foaming Agents (MBAS) | mg/L | 0.5 | | | < 0.050 | < 0.050 | < 0.050 | < 0.050 | < 0.050 | < 0.050 |
| Iron | µg/L | 300 | 100 | | < 100 | < 100 | < 100 | < 100 | < 100 | < 100 |
| Manganese | µg/L | 50 | 20 | | < 20 | < 20 | < 20 | < 20 | < 20 | < 20 |
| Methyl tert-butyl ether (MTBE) ⁽⁴⁾ | mg/L | 0.005 | 0.003 | 0.013 | < 0.003 | < 0.003 | < 0.003 | < 0.003 | < 0.003 | < 0.003 |
| Odor - Threshold | TON | 3 | 1 | | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Silver | µg/L | 100 | 10 | | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 |
| Thiobencarb ⁽⁵⁾ | mg/L | 0.001 | 0.001 | 0.042 | < 0.001 | < 0.001 | < 0.001 | < 0.001 | < 0.001 | < 0.001 |
| Turbidity | NTU | 5 | | | See page 1 | See page 1 | See page 1 | See page 1 | See page 1 | See page 1 |
| Zinc | µg/L | 5000 | 50 | | < 50 | < 50 | < 50 | < 50 | < 50 | < 50 |

| SECONDARY STANDARDS <i>Section 64449 - Table B</i> | Units | Recommended MCL | DLR | Upper MCL | Caisson 1 | Caisson 2 | Caisson 3 | Caisson 4 | Caisson 5 | Caisson 6 |
|---|-------|--------------------|-----|--------------|-----------|-----------|-----------|-----------|-----------|-----------|
| | | | | | 31-Aug-16 | 31-Aug-16 | 30-Aug-16 | 30-Aug-16 | 30-Aug-16 | 31-Aug-16 |
| Total Dissolved Solids | mg/L | 500 | | 1000 | 140 | 71 | 170 | 140 | 120 | 160 |
| Specific Conductance | µS/cm | 900 | | 1600 | 230 | 240 | 260 | 230 | 230 | 260 |
| Chloride | mg/L | 250 | | 500 | 5.0 | 5.1 | 5.6 | 5.1 | 5.1 | 5.2 |
| Sulfate | mg/L | 250 | 0.5 | 500 | 12 | 12 | 14 | 12 | 13 | 14 |

| ADDITIONAL CONSTITUENTS ANALYZED | Units | STATE MCL | DLR | PHG { MCLG } | Caisson 1 | Caisson 2 | Caisson 3 | Caisson 4 | Caisson 5 | Caisson 6 |
|---------------------------------------|-------|----------------------|-------|-----------------|------------|------------|------------|---------------------------|------------|------------|
| | | | | | 31-Aug-16 | 31-Aug-16 | 30-Aug-16 | 30-Aug-16 | 30-Aug-16 | 31-Aug-16 |
| pH | pH | | | | 7.50 | 7.53 | 7.34 | 7.43 | 7.38 | 7.26 |
| Total Hardness as CaCO ₃ | mg/L | | | | 98 | 102 | 111 | 93 | 94 | 112 |
| Calcium | mg/L | | | | 19 | 20 | 22 | 18 | 19 | 21 |
| Magnesium | mg/L | | | | 12 | 12 | 14 | 12 | 12 | 14 |
| Sodium | mg/L | | | | 8.3 | 8.4 | 9.5 | 9.0 | 7.9 | 8.9 |
| Potassium | mg/L | | | | 1.1 | 1.1 | 1.3 | 1.2 | 1.1 | 1.1 |
| Total Alkalinity as CaCO ₃ | mg/L | | | | 97 | 100 | 110 | 95 | 96 | 100 |
| Hydroxide | mg/L | | | | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 |
| Carbonate | mg/L | | | | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 |
| Bicarbonate | mg/L | | | | 120 | 120 | 140 | 120 | 120 | 130 |
| Agressiveness Index | | | | | 11.12 | 11.14 | 11.02 | 11.01 | 11.01 | 11.21 |
| Lead | µg/L | 15 ⁽⁷⁾ | 5 | 0.2 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 |
| Total Radon 222 ± Counting Error | pCi/L | | 100 | | 196 ± 24.4 | 194 ± 24.8 | 254 ± 28.3 | 171 ± 26.4 ⁽⁹⁾ | 382 ± 33.3 | 207 ± 25.0 |
| N-Nitrosodimethylamine (NDMA) | µg/L | 0.01 ⁽⁸⁾ | | 0.003 | < 0.002 | < 0.002 | < 0.002 | < 0.002 | < 0.002 | < 0.002 |
| 1,2,3-Trichloropropane (1,2,3-TCP) | µg/L | 0.005 ⁽⁸⁾ | 0.005 | 0.0007 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 |

⁽⁴⁾ Methyl tert-butyl ether (MTBE) is listed in both the Primary (Organic Chemicals - VOCs) and Secondary standards.

⁽⁵⁾ Thiobencarb is listed in both the Primary (Organic Chemicals - SOCs) and Secondary standards.

⁽⁶⁾ Aluminum is listed in both the Primary (Inorganic Chemicals) and Secondary standards.

⁽⁷⁾ Action Level under the Lead and Copper Rule.

⁽⁸⁾ Notification Level

⁽⁹⁾ Total Radon resampled 10-11-16 for Caisson 4. Original result from 8-30-16 was 602 ± 37.8

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NOTES:

| | | | |
|--------------------------|---|----------|--------------------------|
| MCL: | <u>Maximum Contaminant Level</u> : The highest level of a contaminant that is allowed in drinking water. MCLs are set close to the PHGs and MCLGs as is economically and technologically feasible. Blanks indicate that no numerical values have been established. | | |
| DLR: | <u>Detection Limits for the Purposes of Reporting</u> : The designated minimum level at or above which any analytical finding of a contaminant in drinking water resulting from monitoring shall be reported. Blanks indicate that no numerical values have been established. | | |
| MCLG: | <u>Maximum Contaminant Level Goal</u> : The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs are set by the U.S. Environmental Protection Agency. Blanks indicate that no numerical values have been established. | | |
| PHG: | <u>Public Health Goal</u> : The level of a contaminant in drinking water below which there is no known or expected risk to health. PHGs are determined by the Office of Environmental Health Hazard Assessment. Blanks indicate that no numerical values have been established. | | |
| Notification Levels: | <u>Notification Levels</u> : Are health-based advisory levels established by DHS for chemicals in drinking water that lack Maximum Contamination Levels (MCL). | | |
| Unregulated Contaminant: | <u>Unregulated Contaminant</u> : Constituents that do not have drinking water standards and have been determined by CDHS or EPA to warrant monitoring for occurrence data. | | |
| µg/L: | Micrograms per liter (equals parts per billion) | TON: | Threshold Odor Number |
| mg/L: | Milligrams per liter (equals parts per million) | µmho/cm: | Micromhos per centimeter |
| pCi/L: | Picocuries per liter (a measure of radioactivity) | ND: | Non detected |
| NTU: | Nephelometric Turbidity Units | N/A: | Not available |
| MFL: | Million fibers per liter greater than 10 micrometers | | |
| Production 1, 4, & 7: | Wells 1 through 7. Collectively referred to as the "Russian River Well Field". Chemical monitoring required on Wells 1, 4, & 7. | | |

FOOTNOTES:

- ⁽¹⁾ Turbidity: Turbidity readings are collected approximately every 2.5 minutes.
Annual average is the mean of the monthly average values, weighted by hours of pump operation each month.
Range refers to the minimum and maximum Turbidity readings recorded by the online Turbidimeters at each site.
- ⁽²⁾ Total Trihalomethanes: 40 CFR Section 141.12 - Is the sum of the concentrations of Bromodichloromethane, Dibromochloromethane, Bromoform, and Chloroform.
- ⁽³⁾ MCL: Secondary Standard.
- ⁽⁴⁾ Methyl tert-butyl ether (MTBE) is listed in both the Primary (Organic Chemicals - VOCs) and Secondary standards.
- ⁽⁵⁾ Thiobencarb is listed in both the Primary (Organic Chemicals - SOCs) and Secondary standards.
- ⁽⁶⁾ Aluminum is listed in both the Primary (Inorganic Chemicals) and Secondary standards.
- ⁽⁷⁾ Action Level under the Lead and Copper Rule.
- ⁽⁸⁾ Notification Level
- ⁽⁹⁾ Total Radon resampled 10-11-16 for Caisson 4. Original result from 8-30-16 was 602 ± 37.8