

Water Quality Report 2021

Distribution - EP

[Definitions & Terms](#) [Notes & Sources of Substances](#)

Zone 8

| <u>Metals</u> | Sample Collection Years | Units | Zone Average | City Average | City Range | MCL | MCLG |
|-------------------------------|-------------------------|-------|--------------|--------------|-------------|-----|------|
| Arsenic | 2020 - 2021 | PPB | 1 | 3 | 0 - 8 | 10 | 0 |
| Barium | 2020 - 2021 | PPM | 0.080 | 0.076 | 0.03 - 0.18 | 2 | 2 |
| Chromium | 2020 - 2021 | PPB | 0.0 | 0.8 | 0 - 7 | 100 | 100 |
| <u>Minerals</u> | Sample Collection Years | Units | Zone Average | City Average | City Range | MCL | MCLG |
| Fluoride | 2020 - 2021 | PPM | 0.75 | 0.64 | 0.34 - 1.22 | 4 | 4 |
| <u>Nutrients</u> | Sample Collection Years | Units | Zone Average | City Average | City Range | MCL | MCLG |
| Nitrate + Nitrite as Nitrogen | 2021 | PPM | 0.40 | 0.54 | 0 - 2.91 | 10 | 10 |
| <u>Radionuclides</u> | Sample Collection Years | Units | Zone Average | City Average | City Range | MCL | MCLG |
| Combined Radium 226 and 228 | 2016 - 2020 | pCi/L | 0.19 | 0.17 | 0 - 0.41 | 5 | 0 |
| Gross Alpha Particle Activity | 2016 - 2020 | pCi/L | 0.5 | 0.8 | 0 - 2.5 | 15 | 0 |
| Uranium, Mass Concentration | 2016 - 2020 | PPB | 1 | 2 | 0 - 9 | 30 | 0 |

Voluntary Comprehensive Monitoring in Distribution

(Samples taken every three months, 2021 results)

| <u>General Chemistry</u> | Sample Collection Years | Units | Minimum | Average | Maximum | City Average | City Range | MCL |
|--------------------------|-------------------------|--------------------------|---------|---------|---------|--------------|---------------|-------|
| Alkalinity | 2021 | PPM as CaCO ₃ | 99 | 125 | 135 | 123 | 84 - 154 | ~ |
| Bicarbonate | 2021 | PPM as CaCO ₃ | 99 | 125 | 135 | 123 | 84 - 154 | ~ |
| Calcium | 2021 | PPM | 39.00 | 44.50 | 55.00 | 42.25 | 6.9 - 71.00 | ~ |
| Chloride | 2021 | PPM | 23.15 | 28.70 | 39.13 | 27.21 | 8.06 - 121.74 | 250 a |
| Field Conductivity | 2021 | uS/cm | 390 | 431 | 497 | 452 | 334 - 682 | |
| Field Free Chlorine | 2021 | mg/L | 0.7 | 0.8 | 1.0 | 0.8 | 0.5 - 1.4 | |
| Field pH | 2021 | Std. unit | 7.75 | 7.98 | 8 | 7.92 | 7.36 - 8.46 | |
| Field Temperature | 2021 | Fahrenheit | 50 | 67 | 79 | 65 | 43 - 84 | |
| Hardness | 2021 | grains/gallon | 6.49 | 7.76 | 9.36 | 7.51 | 1.34 - 12.25 | ~ |
| Magnesium | 2021 | PPM | 3.30 | 5.24 | 5.90 | 5.54 | 1.2 - 9.00 | ~ |
| Potassium | 2021 | PPM | 3 | 3 | 3 | 4 | 2 - 8 | ~ |
| Silica | 2021 | PPM as SiO ₂ | 25.7 | 29.2 | 32.1 | 41.0 | 19.1 - 68.5 | ~ |
| Sodium | 2021 | PPM | 30 | 35 | 38 | 37 | 21 - 87 | ~ |
| Sulfate | 2021 | PPM | 31 | 51 | 71 | 64 | 25 - 387 | 250 a |
| Total Dissolved Solids | 2021 | PPM | 238 | 266 | 300 | 282 | 210 - 382 | 500 a |
| <u>Metals</u> | Sample Collection Years | Units | Minimum | Average | Maximum | City Average | City Range | MCL |
| Arsenic | 2021 | PPB | 1 | 2 | 5 | 4 | 0 - 8 | 10 |
| Chromium | 2021 | PPB | 0.0 | 0.0 | 0.0 | 0.6 | 0 - 6.0 | 100 |
| Iron | 2021 | PPM | 0.0 | 0.0 | 0.0 | 0.0 | 0 - 0.1 | 0.3 a |
| <u>Minerals</u> | Sample Collection Years | Units | Minimum | Average | Maximum | City Average | City Range | MCL |
| Fluoride | 2021 | PPM | 0.49 | 0.67 | 0.80 | 0.55 | 0.36 - 0.91 | 4 |
| <u>Nutrients</u> | Sample Collection Years | Units | Minimum | Average | Maximum | City Average | City Range | MCL |
| Nitrate | 2021 | PPM | 0.28 | 0.90 | 1.47 | 0.61 | 0 - 3.94 | 10 |

Represents the USEPA Secondary Maximum Contaminant Level (SMCL). Secondary Drinking Water Standards are unenforceable federal guidelines regarding taste, odor, color and certain other non-aesthetic effects of drinking water. USEPA recommends them as reasonable goals, but federal law does not require water systems to comply with them.