

Water Quality Report 2020

Distribution

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

Zone 16

| <u>Metals</u> | Sample Collection Years | Units | Zone Average | City Average | City Range | MCL | MCLG |
|-------------------------------|-------------------------|-------|--------------|--------------|---------------|-----|------|
| Arsenic | 2017 - 2020 | PPB | 2.9 | 3 | 0.0 - 8.0 | 10 | 0 |
| Barium | 2017 - 2020 | PPM | 0.1 | 0.1 | 0.0 - 0.2 | 2 | 2 |
| Chromium | 2020 | PPB | 0.4 | 0.8 | 0.0 - 7.0 | 100 | 100 |
| <u>Minerals</u> | Sample Collection Years | Units | Zone Average | City Average | City Range | MCL | MCLG |
| Fluoride | 2017 - 2020 | PPM | 0.6 | 0.7 | 0.4 - 1.2 | 4 | 4 |
| <u>Nutrients</u> | Sample Collection Years | Units | Zone Average | City Average | City Range | MCL | MCLG |
| Nitrate | 2019 - 2020 | PPM | 0.3 | 0.5 | 0.0 - 2.8 | 10 | 10 |
| <u>Organic</u> | Sample Collection Years | Units | Zone Average | City Average | City Range | MCL | MCLG |
| Total Xylenes | 2020 | PPM | 0.0 | 0.00006 | 0.0 - 0.00065 | 10 | 10 |
| <u>Radionuclides</u> | Sample Collection Years | Units | Zone Average | City Average | City Range | MCL | MCLG |
| Gross Alpha Particle Activity | 2017 - 2020 | pCi/L | 0.9 | 0.4 | 0.0 - 0.9 | 15 | 0 |
| Radium 226 + 228 | 2017 - 2020 | pCi/L | 0.2 | 0.1 | 0.0 - 0.2 | 5 | 0 |
| Uranium | 2017 - 2020 | PPB | 2.3 | 2 | 0.0 - 5.0 | 30 | 0 |

Voluntary Comprehensive Monitoring in Distribution

(Samples taken every three months, 2020 results)

Zone 16

| <u>General Chemistry</u> | Sample Collection Years | Units | Minimum | Average | Maximum | City Average | City Range | MCL |
|--------------------------|-------------------------|--------------------------|---------|---------|---------|--------------|---------------|----------------|
| Alkalinity | 2020 | PPM as CaCO ₃ | 44 | 118.41 | 117 | 119 | 44.0 - 352.0 | ~ |
| Chloride | 2020 | PPM | 9.1 | 29.9 | 31.1 | 30.1 | 9.1 - 55.8 | 250 a |
| Conductivity | 2020 | uS/cm | 345 | 455.8 | 455 | 459 | 345.0 - 602.0 | |
| Free Chlorine | 2020 | PPM | 0.3 | 0.9 | 0.8 | 0.9 | 0.3 - 1.5 | |
| Magnesium | 2020 | PPM | 1.8 | 6.1 | 5.7 | 6.0 | 1.8 - 9.0 | ~ |
| pH | 2020 | Std Units | 7.3 | 7.8 | 7.8 | 7.8 | 7.3 - 8.7 | ~ |
| Potassium | 2020 | PPM | 2 | 3.9 | 3 | 4 | 2.0 - 8.0 | ~ |
| Silica | 2020 | PPM as SiO ₂ | 16.5 | 37.7 | 32.1 | 37.4 | 16.5 - 68.5 | Not Applicable |
| Sodium | 2020 | PPM | 19 | 31.8 | 27 | 33 | 19.0 - 81.0 | ~ |
| Temperature | 2020 | Fahrenheit | 39 | 63.7 | 70 | 64 | 39.0 - 86.0 | ~ |
| Total Dissolved Solids | 2020 | PPM | 142 | 280.3 | 278 | 284 | 142.0 - 388.0 | 500 a |

| <u>Metals</u> | Sample Collection Years | Units | Minimum | Average | Maximum | City Average | City Range | MCL |
|---------------|-------------------------|-------|---------|---------|---------|--------------|------------|-------|
| Arsenic | 2020 | PPB | 0 | 2.8 | 0 | 3 | 0.0 - 8.0 | 10 |
| Chromium | 2020 | PPB | 0 | 0.4 | 0 | 0.5 | 0.0 - 6.0 | 100 |
| Iron | 2020 | PPM | 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 | 2020 | PPM | 0.4 | 0.6 | 0.6 | 0.6 | 0.4 - 0.9 | 4 |

| <u>Nutrients</u> | Sample Collection Years | Units | Minimum | Average | Maximum | City Average | City Range | MCL |
|------------------|-------------------------|-------|---------|---------|---------|--------------|------------|-----|
| Nitrate | 2020 | PPM | 0 | 0.4 | 0.2 | 0.5 | 0.0 - 3.5 | 10 |

a- 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.