

# Water Quality Report 2023

## Distribution - Entry Points

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

### Zone 1

| <u>Metals</u>                 | Sample Collection Years | Units | Zone Average | City Average | City Range   | MCL | MCLG |
|-------------------------------|-------------------------|-------|--------------|--------------|--------------|-----|------|
| Arsenic                       | 2023                    | PPB   | 0            | 2            | 0 - 9        | 10  | 0    |
| Barium                        | 2023                    | PPM   | 0.054        | 0.071        | 0.046 - 0.18 | 2   | 2    |
| Chromium                      | 2020 - 2023             | PPB   | 0.0          | 0.2          | 0 - 2        | 100 | 100  |
| <u>Minerals</u>               | Sample Collection Years | Units | Zone Average | City Average | City Range   | MCL | MCLG |
| Fluoride                      | 2023                    | PPM   | 0.62         | 0.59         | 0.36 - 0.73  | 4   | 4    |
| <u>Nutrients</u>              | Sample Collection Years | Units | Zone Average | City Average | City Range   | MCL | MCLG |
| Nitrate + Nitrite as Nitrogen | 2023                    | PPM   | 0.13         | 0.18         | 0 - 0.72     | 10  | 10   |
| <u>Radionuclides</u>          | Sample Collection Years | Units | Zone Average | City Average | City Range   | MCL | MCLG |
| Combined Radium 226 and 228   | 2023                    | pCi/L | 0.05         | 0.13         | 0.02 - 0.5   | 5   | 0    |
| Gross Alpha Particle Activity | 2023                    | pCi/L | 0.0          | 0.7          | 0 - 1.6      | 15  | 0    |
| Uranium, Mass Concentration   | 2023                    | PPB   | 0            | 2            | 0 - 6        | 30  | 0    |

# Voluntary Comprehensive Monitoring in Distribution

(Samples taken every three months, 2023 results)

## Zone 1

| <u>General Chemistry</u> | Sample Collection Years | Units                    | Minimum | Average | Maximum | City Average | City Range   | MCL              |
|--------------------------|-------------------------|--------------------------|---------|---------|---------|--------------|--------------|------------------|
| Alkalinity               | 2023                    | PPM as CaCO <sub>3</sub> | 102     | 111     | 115     | 105          | 65 - 142     | ~                |
| Bicarbonate              | 2023                    | PPM as CaCO <sub>3</sub> | 102     | 111     | 115     | 105          | 65 - 142     | ~                |
| Calcium                  | 2023                    | PPM                      | 50.00   | 56.50   | 68.00   | 48.64        | 12 - 68.00   | ~                |
| Chloride                 | 2023                    | PPM                      | 36.87   | 38.99   | 41.92   | 31.44        | 9.27 - 42.56 | 250 <sup>a</sup> |
| Field Conductivity       | 2023                    | uS/cm                    | 401     | 492     | 557     | 475          | 300 - 685    |                  |
| Field Free Chlorine      | 2023                    | mg/L                     | 0.8     | 1.0     | 1.3     | 0.9          | 0.3 - 1.4    |                  |
| Field pH                 | 2023                    | Std. unit                | 7.43    | 7.53    | 8       | 7.40         | 7.0 - 8.1    |                  |
| Field Temperature        | 2023                    | Fahrenheit               | 44      | 66      | 78      | 64           | 42 - 86      |                  |
| Hardness                 | 2023                    | grains/gallon            | 9.04    | 9.99    | 11.72   | 8.44         | 2.09 - 11.72 | ~                |
| Magnesium                | 2023                    | PPM                      | 6.50    | 7.23    | 7.80    | 5.55         | 1.4 - 9.90   | ~                |
| Potassium                | 2023                    | PPM                      | 3       | 5       | 8       | 4            | 2 - 8        | ~                |
| Silica                   | 2023                    | PPM as SiO <sub>2</sub>  | 21.4    | 42.8    | 51.4    | 32.4         | 15.6 - 68.5  | ~                |
| Sodium                   | 2023                    | PPM                      | 28      | 30      | 31      | 29           | 13 - 77      | ~                |
| Sulfate                  | 2023                    | PPM                      | 63      | 71      | 90      | 68           | 26 - 100     | 250 <sup>a</sup> |
| Total Dissolved Solids   | 2023                    | PPM                      | 310     | 319     | 340     | 291          | 218 - 378    | 500 <sup>a</sup> |
| <u>Metals</u>            | Sample Collection Years | Units                    | Minimum | Average | Maximum | City Average | City Range   | MCL              |
| Arsenic                  | 2023                    | PPB                      | 0       | 4       | 5       | 2            | 0 - 8        | 10               |
| Barium                   | 2023                    | PPM                      | 0.063   | 0.090   | 0.110   | 0.072        | 0.04 - 0.140 | 2                |
| Chromium                 | 2023                    | PPB                      | 0.0     | 0.0     | 0.0     | 0.3          | 0 - 5.0      | 100              |
| Iron                     | 2023                    | PPM                      | 0.0     | 0.0     | 0.0     | 0.0          | 0 - 0.1      | 0.3 <sup>a</sup> |
| <u>Minerals</u>          | Sample Collection Years | Units                    | Minimum | Average | Maximum | City Average | City Range   | MCL              |
| Fluoride                 | 2023                    | PPM                      | 0.41    | 0.50    | 0.62    | 0.59         | 0.34 - 0.90  | 4                |
| <u>Nutrients</u>         | Sample Collection Years | Units                    | Minimum | Average | Maximum | City Average | City Range   | MCL              |
| Nitrate                  | 2023                    | PPM                      | 0.10    | 0.41    | 0.59    | 0.39         | 0 - 3.47     | 10               |

<sup>a</sup>- 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.