

| 2024         | Total Coliform |               | Chlorine Residual |             | Fluoride       |                 |
|--------------|----------------|---------------|-------------------|-------------|----------------|-----------------|
| Month        | # Samples      | # TC Positive | # Samples         | # <0.1 mg/L | # Samples      | Ave (mg/L)      |
| January      | 306            | 2             | 1118              | 1           | 586            | 0.68            |
| February     | 281            | 7             | 1075              | 0           | 536            | 0.67            |
| March        | 260            | 6             | 1047              | 0           | 549            | 0.66            |
| April        | 325            | 0             | 1077              | 0           | 531            | 0.66            |
| May          | 294            | 1             | 1089              | 1           | 543            | 0.66            |
| June         | 257            | 1             | 1089              | 7           | 537            | 0.67            |
| July         | 314            | 2             | 1153              | 3           | 562            | 0.68            |
| August       | 271            | 3             | 1157              | 5           | 563            | 0.68            |
| September    | 301            | 7             | 1163              | 3           | 560            | 0.70            |
| October      | 319            | 0             | 1141              | 3           | 594            | 0.70            |
| November     | 248            | 0             | 1047              | 1           | 536            | 0.70            |
| December     | 210            | 0             | 1005              | 1           | 553            | 0.67            |
| <b>TOTAL</b> | <b>3386</b>    | <b>29</b>     | <b>13161</b>      | <b>25</b>   | <b>6650</b>    | <b>0.68</b>     |
|              |                | 0.9%          |                   | 0.19%       |                |                 |
|              |                |               |                   |             | <b>Target:</b> | <b>0.7 mg/L</b> |

# Water Quality Test Results Summary - 2024

## A. Inorganics - Regulated

| PARAMETER          | UNITS | MCL      | DETECTS | MINIMUM | MEDIAN | MAXIMUM |
|--------------------|-------|----------|---------|---------|--------|---------|
| Antimony           | µg/L  | 6        | 0       | <0.3    | <0.3   | <0.3    |
| Arsenic            | µg/L  | 10       | 0       | <1.1    | <1.1   | <1.1    |
| Barium             | µg/L  | 2000     | 20      | 7.2     | 21     | 69      |
| Beryllium          | µg/L  | 4        | 0       | <0.06   | <0.06  | <0.06   |
| Cadmium            | µg/L  | 5        | 0       | <0.1    | <0.1   | <0.1    |
| Chromium, Total    | µg/L  | 100      | 4       | <1.2    | <1.2   | 2.6     |
| Copper             | µg/L  | AL: 1300 | 20      | 0.8     | 3.5    | 24      |
| Fluoride           | mg/L  | 4        | 20      | 0.5     | 0.7    | 0.8     |
| Lead               | µg/L  | AL: 15   | 1       | <0.3    | <0.3   | 0.4     |
| Mercury            | µg/L  | 2        | 0       | <0.05   | <0.05  | <0.05   |
| Nickel             | µg/L  | 100      | 8       | <1.0    | <1.0   | 2.5     |
| Nitrogen - Nitrate | mg/L  | 10       | 13      | <0.2    | 0.9    | 4.1     |
| Nitrogen - Nitrite | mg/L  | 1        | 0       | <0.01   | <0.01  | <0.01   |
| Selenium           | µg/L  | 50       | 3       | <1.0    | <1.0   | 1.5     |
| Thallium           | µg/L  | 2        | 0       | <0.8    | <0.8   | <0.8    |

## B. Inorganics - Unregulated

| PARAMETER          | UNITS      | SMCL | DETECTS | MINIMUM | MEDIAN | MAXIMUM |
|--------------------|------------|------|---------|---------|--------|---------|
| Alkalinity (CaCO3) | mg/L       | --   | 20      | 260     | 295    | 350     |
| Aluminum           | µg/L       | 50   | 0       | <9.0    | <9.0   | <9.0    |
| Calcium            | mg/L       | --   | 20      | 55      | 69     | 110     |
| Chloride           | mg/L       | 250  | 20      | 1.6     | 16     | 210     |
| Conductivity       | umhos / cm | --   | 20      | 500     | 635    | 1400    |
| Hardness (CaCO3)   | mg/L       | --   | 20      | 270     | 335    | 530     |
| Iron               | mg/L       | 0.3  | 7       | <0.04   | <0.04  | 0.3     |
| Magnesium          | mg/L       | --   | 20      | 32      | 41     | 62      |
| Manganese          | µg/L       | 50   | 14      | <0.5    | 2.5    | 45      |
| pH (Lab)           | s.u.       | --   | 20      | 7.0     | 7.2    | 7.5     |
| Silver             | µg/L       | 100  | 2       | <0.7    | <0.7   | 1.9     |
| Sodium             | mg/L       | --   | 20      | 2.3     | 7.3    | 64      |
| Strontium          | µg/L       | --   | 20      | 49      | 82     | 100     |
| Sulfate            | mg/L       | 250  | 20      | 6.6     | 18     | 39      |
| Zinc               | µg/L       | 5000 | 16      | <1.8    | 3.8    | 8.8     |

AL - Action Level

MCL - Maximum Contaminant Level

SMCL - Secondary Maximum Contaminant Level

# Water Quality Test Results Summary - 2024

## C. Iron - Wells

SMCL: Secondary Maximum Contaminant Level is 0.3 mg/L

| SOURCE               | UNITS | SAMPLES | MINIMUM     | MEDIAN      | MAXIMUM     |
|----------------------|-------|---------|-------------|-------------|-------------|
| Well 7*              | mg/L  | 12      | <0.01       | 0.02        | 0.08        |
| Well 8 <sup>#</sup>  | mg/L  | 1       | <b>0.58</b> | <b>0.58</b> | <b>0.58</b> |
| Well 17              | mg/L  | 7       | 0.09        | 0.13        | 0.14        |
| Well 19              | mg/L  | 10      | 0.19        | 0.21        | 0.22        |
| Well 24              | mg/L  | 11      | 0.22        | 0.25        | <b>0.33</b> |
| Well 26 <sup>#</sup> | mg/L  | 8       | <0.01       | <0.01       | 0.01        |
| Well 27              | mg/L  | 12      | 0.12        | 0.16        | 0.17        |
| Well 28              | mg/L  | 12      | 0.17        | 0.17        | 0.18        |
| Well 29*             | mg/L  | 12      | <0.01       | <0.01       | <0.04       |
| Well 30              | mg/L  | 12      | 0.19        | 0.21        | 0.22        |
| Well 31*             | mg/L  | 12      | <0.01       | <0.01       | <0.04       |

## D. Manganese - Wells

SMCL: Secondary Maximum Contaminant Level is 50 µg/L

| SOURCE               | UNITS | SAMPLES | MINIMUM | MEDIAN | MAXIMUM   |
|----------------------|-------|---------|---------|--------|-----------|
| Well 7*              | µg/L  | 12      | <2.0    | <2.0   | 3.7       |
| Well 8               | µg/L  | 1       | 49      | 49     | 49        |
| Well 17              | µg/L  | 7       | 30      | 33     | 34        |
| Well 19              | µg/L  | 10      | 43      | 45     | <b>53</b> |
| Well 24              | µg/L  | 11      | 28      | 31     | 37        |
| Well 26 <sup>#</sup> | µg/L  | 8       | <2.0    | <2.0   | 33        |
| Well 27              | µg/L  | 12      | 30      | 31     | 36        |
| Well 28              | µg/L  | 12      | 20      | 22     | 25        |
| Well 29*             | µg/L  | 12      | 1.5     | <2.0   | 2.1       |
| Well 30              | µg/L  | 12      | 13      | 14     | 15        |
| Well 31*             | µg/L  | 12      | <0.5    | <2.0   | <2.0      |

\* Filtered

<sup>#</sup> Raw water

## Water Quality Test Results Summary - 2024

### E. Iron - Distribution

SMCL: Secondary Maximum Contaminant Level is 0.3 mg/L

|                             | UNITS | Q1    | Q2    | Q3    | Q4    |
|-----------------------------|-------|-------|-------|-------|-------|
| <b>Policy Goal</b>          | mg/L  | 0.3   | 0.3   | 0.3   | 0.3   |
| <b>Median</b>               | mg/L  | 0.018 | 0.013 | 0.013 | 0.012 |
| <b>Average</b>              | mg/L  | 0.05  | 0.05  | 0.04  | 0.05  |
| <b>95th Percentile</b>      | mg/L  | 0.19  | 0.21  | 0.15  | 0.16  |
| <b>Maximum</b>              | mg/L  | 0.33  | 0.45  | 0.22  | 0.30  |
| <b>Number of Samples</b>    |       | 43    | 43    | 42    | 41    |
| <b>Samples &gt;0.3 mg/L</b> |       | 1     | 1     | 0     | 2     |

### F. Manganese - Distribution

SMCL: Secondary Maximum Contaminant Level is 50 µg/L

|                            | UNITS | Q1   | Q2   | Q3   | Q4   |
|----------------------------|-------|------|------|------|------|
| <b>Policy Goal</b>         | µg/L  | 50   | 50   | 50   | 50   |
| <b>Median</b>              | µg/L  | <2.0 | <2.0 | <2.0 | <2.0 |
| <b>Average</b>             | µg/L  | 7.7  | 5.2  | 6.2  | 6.5  |
| <b>95th Percentile</b>     | µg/L  | 26   | 18   | 21   | 22   |
| <b>Maximum</b>             | µg/L  | 74   | 29   | 28   | 39   |
| <b>Number of Samples</b>   |       | 43   | 43   | 42   | 41   |
| <b>Samples &gt;50 µg/L</b> |       | 1    | 0    | 0    | 0    |

\* Includes duplicate samples

# Water Quality Test Results Summary - 2024

## G. Organic Contaminants

### 1. Overview - Volatile and Synthetic Organics (VOC & SOC)

|                                 | TYPE | UNITS | MCL | MAXIMUM | WELLS       |
|---------------------------------|------|-------|-----|---------|-------------|
| 1,1-Dichloroethane              | VOC  | µg/L  | --  | 0.14    | #9          |
| 1,1-Dichloroethylene            | VOC  | µg/L  | 7   | 0.18    | #18         |
| <i>cis</i> 1,2-Dichloroethylene | VOC  | µg/L  | 70  | 0.49    | 7 & 11      |
| Tetrachloroethylene [PCE]       | VOC  | µg/L  | 5   | 3.1     | 6,7,9,11,18 |
| Trichloroethylene [TCE]         | VOC  | µg/L  | 5   | 0.41    | 7,11,18     |
| Trichlorofluoromethane          | VOC  | µg/L  | --  | 0.79    | 9 & 11      |
| PFAS: PFBA                      | SOC  | ng/L  | --  | 47      | 9,11,14     |
| PFAS: PFHXS                     | SOC  | ng/L  | 10* | 7.3     | 6 & 14      |

\* Used to calculate a Hazard Index, which must be less than 1.0

### 2. Detail - Volatile Organics (VOC)

| Range of Test Results (µg/L) |        |           |           |           |             |           |
|------------------------------|--------|-----------|-----------|-----------|-------------|-----------|
|                              | MCL    | Well #6   | Well #7   | Well #9   | Well #11    | Well #18  |
| Tetrachloroethylene [PCE]    | 5 µg/L | 1.9 - 2.9 | 1.0 - 1.3 | 1.4 - 1.7 | 0.65 - 0.92 | 2.2 - 3.1 |
| Number of Samples            |        | 4         | 4         | 4         | 4           | 4         |

# Water Quality Test Results Summary - 2024

## H. Radium (226 + 228)

|         | Number of<br>Samples | Results,<br>pCi/L | Annual Average of<br>Quarterly Samples | <b>NOTE:</b> MCL = 5 pCi/L; based on running<br>annual average of quarterly samples |
|---------|----------------------|-------------------|----------------------------------------|-------------------------------------------------------------------------------------|
| Well 07 | 1                    | 2.5               | Not Applicable                         |                                                                                     |
| Well 19 | 5*                   | 2.9 - 5.1         | 3.5 - 3.9                              |                                                                                     |
| Well 24 | 1                    | 1.6               | Not Applicable                         |                                                                                     |
| Well 27 | 7*                   | 2.7 - 5.3         | 3.4 - 4.1                              |                                                                                     |
| Well 28 | 1                    | 2.1               | Not Applicable                         |                                                                                     |
| Well 30 | 1                    | 2.2               | Not Applicable                         |                                                                                     |

*\* Includes duplicate samples*

## I. Unregulated Contaminants

| Parameter            | Units | Well Detects | Results      | Wells with Detections          |
|----------------------|-------|--------------|--------------|--------------------------------|
| Chromium, Hexavalent | µg/L  | 13 of 20     | <0.02 - 2.0  | All except 7,19,24,27,28,30,31 |
| 1,4-Dioxane          | µg/L  | 3 of 7       | <0.07 - 0.40 | 9,11,18                        |
| Strontium            | µg/L  | 20 of 20     | 49 - 100     | All Wells                      |