

2025 Water Quality Composite

| Analyte | Matrix | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Avg. |
|---------------------------------|--------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Total Alkalinity (mg/L) | Raw | 88 | 79 | 77 | 78 | 73 | 71 | 71 | 71 | 70 | 73 | 77 | 80 | 76 |
| | Finished | 74 | 67 | 67 | 65 | 61 | 58 | 59 | 59 | 59 | 61 | 64 | 65 | 63 |
| Total Hardness (mg/L) | Raw | 184 | 156 | 149 | 127 | 120 | 105 | 106 | 109 | 110 | 114 | 126 | 137 | 129 |
| | Finished | 181 | 153 | 150 | 126 | 119 | 103 | 107 | 109 | 112 | 115 | 126 | 138 | 128 |
| Calcium Hardness (mg/L) | Finished | 131 | 107 | 102 | 91 | 86 | 75 | 78 | 81 | 80 | 81 | 93 | 101 | 92 |
| Magnesium Hardness (mg/L) | Finished | 50 | 46 | 48 | 35 | 33 | 28 | 29 | 28 | 32 | 33 | 33 | 38 | 36 |
| pH | Raw | 8.12 | 8.16 | 8.13 | 8.07 | 8.08 | 8.04 | 8.07 | 8.05 | 8.10 | 8.16 | 8.13 | 8.09 | 8.10 |
| | Finished | 7.27 | 7.30 | 7.23 | 7.24 | 7.26 | 7.32 | 7.28 | 7.32 | 7.47 | 7.63 | 7.50 | 7.31 | 7.34 |
| Temperature C | Raw | 3.2 | 7.0 | 6.3 | 8.1 | 10.6 | 13.6 | 18.4 | 15.1 | 14.0 | 11.5 | 8.1 | 5.1 | 10.1 |
| Turb (NTU) | Raw | 6.6 | 9.2 | 9.7 | 10.6 | 8.9 | 10.5 | 14.4 | 12.4 | 9.9 | 9.2 | 14.7 | 12.0 | 10.7 |
| | Clarifier | 1.09 | 0.80 | 0.68 | 0.74 | 0.74 | 0.79 | 0.47 | 0.39 | 0.36 | 0.40 | 0.61 | 0.64 | 0.64 |
| | Finished | 0.059 | 0.048 | 0.045 | 0.046 | 0.047 | 0.049 | 0.051 | 0.047 | 0.047 | 0.046 | 0.043 | 0.044 | 0.048 |
| Chlorine residual -free (mg/L) | Finished (DCB eff) | 2.13 | 2.16 | 2.08 | 1.90 | 1.91 | 1.90 | 1.92 | 1.95 | 1.96 | 2.13 | 2.18 | 2.19 | 2.03 |
| Chlorine residual -total (mg/L) | Finished/Storage | 2.01 | 2.04 | 1.97 | 1.86 | 1.80 | 1.81 | 1.80 | 1.81 | 1.81 | 1.95 | 2.03 | 2.04 | 1.91 |
| Monochloramine (mg/L) | Finished/Storage | 1.38 | 1.40 | 1.42 | 1.32 | 1.41 | 1.39 | 1.41 | 1.32 | 1.47 | 1.59 | 1.51 | 1.53 | 1.43 |
| Free Ammonia (as N) (mg/L) | Finished/Storage | 0.03 | 0.03 | 0.04 | 0.03 | 0.04 | 0.04 | 0.04 | 0.03 | 0.03 | 0.06 | 0.04 | 0.03 | 0.04 |
| % of residual as Monochloramine | Finished/Storage | 69% | 69% | 72% | 71% | 78% | 77% | 78% | 73% | 81% | 82% | 74% | 75% | 75% |
| Total Ammonia (mg/L) | Finished/Storage | 0.31 | 0.30 | 0.35 | 0.32 | 0.38 | 0.35 | 0.36 | 0.33 | 0.37 | 0.47 | 0.48 | 0.48 | 0.37 |
| Color (color units) | Raw | 67 | 108 | 100 | 101 | 80 | 106 | 129 | 122 | 97 | 88 | 116 | 113 | 102 |
| Total Dissolved Solids (mg/L) | Raw | 179 | 138 | 133 | 110 | 99 | 99 | 103 | 103 | 103 | 105 | 118 | 136 | 119 |
| | Finished | 183 | 142 | 137 | 113 | 103 | 103 | 113 | 107 | 107 | 109 | 122 | 140 | 123 |
| Iron (mg/L) | Raw | 0.2 | 0.09 | 0.15 | 0.01 | 0.2 | 0.11 | 0.14 | 0.35 | 0.09 | 0.05 | 0.15 | 0.16 | 0.14 |
| | Finished/Storage | BDL | BDL | 0.05 | BDL | 0.03 | BDL | BDL | BDL | 0.03 | BDL | BDL | BDL | 0.04 |
| Copper (ug/L) | Raw | 6 | 7 | 5 | BDL | 21 | 10 | 15 | 7 | 9 | 8 | 16 | 4 | 10 |
| | Finished/Storage | BDL | 8 | 11 | 2 | 6 | 6 | 8 | 7 | 7 | 2 | 17 | 13 | 8 |
| Phosphorus (mg/L) | Raw | 0.02 | 0.03 | 0.05 | 0.03 | 0.05 | 0.06 | 0.15 | 0.05 | 0.04 | 0.05 | 0.11 | 0.04 | 0.06 |
| | Finished/Storage | BDL | BDL | 0.01 | 0.03 | 0.02 | 0.02 | 0.05 | 0.02 | 0.03 | 0.02 | 0.04 | 0.03 | 0.03 |
| TDS (mg/L) | Raw | 179 | 138 | 133 | 110 | 99 | 99 | 103 | 103 | 103 | 105 | 118 | 136 | 119 |
| | Finished | 183 | 142 | 137 | 113 | 103 | 103 | 113 | 107 | 107 | 109 | 122 | 140 | 123 |
| Sulfate (mg/L) | Raw | 113 | 44 | 56 | 17 | 19 | 21 | 19 | 23 | 22 | 26 | 38 | 44 | 37 |
| | Finished/Storage | 86 | 58 | 65 | 36 | 35 | 37 | 33 | 38 | 36 | 42 | 53 | 57 | 48 |
| Fluoride (mg/L) | Finished/Storage | 0.30 | 0.17 | 0.36 | 0.35 | 0.12 | 0.21 | 0.21 | 0.22 | 0.19 | 0.29 | 0.23 | 0.28 | 0.24 |
| Silica (mg/L) | Finished/Storage | 10.9 | 11.1 | 10 | 10.2 | 8.0 | 10.7 | 9.4 | 9.4 | 7.4 | 8.2 | 9.6 | 9.3 | 9.5 |