



# Wichita Water Utilities

## 2008 Average Chemical Analysis of Treated Water

| Constituents                  | Wichita Level | Units    | MDL   | MCL |
|-------------------------------|---------------|----------|-------|-----|
| Aluminum                      | <0.01         | mg/L     | 0.01  |     |
| Ammonia-N                     | 0.58          | mg/L     | 0.007 |     |
| Antimony                      | <2.5          | µg/L     | 2.5   | 6   |
| Arsenic                       | <1            | µg/L     | 1     | 10  |
| Barium                        | 0.047         | mg/L     | 0.005 | 2   |
| Beryllium                     | <1            | µg/L     | 1     | 4   |
| Bromate                       | <0.005        | mg/L     | 0.005 | TT  |
| Bromide                       | 0.04          | mg/L     | 0.02  |     |
| Cadmium                       | <1            | µg/L     | 1     | 5   |
| Calcium                       | 27            | mg/L     | 1     |     |
| Calcium Hardness              | 67            | mg/L     | 1     | TT  |
| Chloride                      | 107           | mg/L     | 5     |     |
| Chlorine Residual, Combined   | 2             | mg/L     | 0.05  | TT  |
| Chromium                      | <1            | µg/L     | 1     | 100 |
| Copper                        | <0.005        | mg/L     | 0.005 | TT  |
| Cyanide                       | <5            | µg/L     | 5     | 200 |
| Dissolved Oxygen              | 8.3           | mg/L     | 0.1   |     |
| Fluoride                      | 0.33          | mg/L     | 0.01  | 4   |
| Haloacetic Acid               | 11.1          | µg/L     | 2     | 60  |
| Hydrogen Sulfide              | <0.1          | mg/L     | 0.1   |     |
| Iron                          | <0.005        | mg/L     | 0.005 |     |
| Langlier Corrosivity Index    | 0.17          | LCI      |       |     |
| Lead                          | <1            | µg/L     | 1     | TT  |
| Magnesium                     | 13.7          | mg/L     | 0.05  |     |
| Manganese                     | <0.001        | mg/L     | 0.001 |     |
| Mercury                       | <0.1          | µg/L     | 0.1   | 2   |
| Nickel                        | <5            | µg/L     | 5     |     |
| Nitrate-N                     | 0.89          | mg/L     | 0.01  | 10  |
| Nitrite/Nitrate-N             | 0.89          | mg/L     | 0.02  | 10  |
| Nitrite-N                     | <0.01         | mg/L     | 0.01  | 1   |
| Ortho Phosphate-P             | 0.04          | mg/L     | 0.01  |     |
| Partial Alkalinity (as CaCO3) | <1            | mg/L     | 1     |     |
| pH                            | 8.5           | pH UNITS |       |     |
| Potassium                     | 4.7           | mg/L     | 0.05  |     |
| Selenium                      | <2            | µg/L     | 2     | 50  |
| Silica                        | 8.5           | mg/L     | 0.05  |     |
| Silver                        | <0.01         | mg/L     | 0.01  |     |
| Sodium                        | 87            | mg/L     | 0.1   |     |
| Specific Conductance          | 678           | µmhos/cm | 2     |     |
| Strontium                     | 0.266         | mg/L     | 0.005 |     |
| Sulfate                       | 63            | mg/L     | 5     |     |
| Temperature                   | 14.9          | ° C      | 0.1   |     |
| Thallium                      | <1.7          | µg/L     | 1.7   | 2   |
| Total Alkalinity (as CaCO3)   | 94            | mg/L     | 2     |     |
| Total Dissolved Solids        | 367           | mg/L     | 10    |     |
| Total Hardness (as CaCO3)     | 124           | mg/L     | 1     |     |
| Total Organic Carbon          | 2.5           | mg/L     | 0.1   |     |
| Total Phosphorus-P            | 0.05          | mg/L     | 0.03  |     |
| Total Solids                  | 382           | mg/L     | 10    |     |
| Total Trihalomethanes         | 23.2          | µg/L     | 2     | 80  |
| Turbidity                     | 0.16          | NTU      | 0.1   | TT  |
| Vanadium                      | <0.002        | mg/L     | 0.002 |     |

MCL = EPA Maximum Contaminant Level

TT = Treatment Technique

Avg. tap hardness = 7.3 grains/gal

mg/L = ppm (parts per million)

< = Less than the Method Detection Limit (MDL)

Sodium in 8 oz glass = 20-25 mg

One (1) grain/gal = 17.1 mg/L

µg/L = ppb (parts per billion)

Additional information is available on the City of Wichita web site [www.wichita.gov](http://www.wichita.gov)