



## Wichita Water Utilities

### 2002 Average Chemical Analysis of Treated Water

Constituent	Wichita	Units	MDL	MCL
Aluminum	<0.01	mg/L	0.01	
Ammonia-N	0.44	mg/L	0.007	
Antimony	<2.5	µg/L	2.5	6
Arsenic	<1	µg/L	1	10
Barium	0.04	mg/L	0.005	2
Beryllium	<1	µg/L	1	4
Bromide	0.04	mg/L	0.02	
Cadmium	<1	µg/L	1	5
Calcium	22.2	mg/L	0.01	
Calcium Hardness	55	mg/L	0.02	
Chloride	126	mg/L	5	
Chlorine Combined, Residual	2.15	mg/L	0.05	
Chromium	<1	µg/L	1	100
Copper	<0.005	mg/L	0.005	TT
Cyanide	<5	µg/L	5	200
Dissolved Oxygen	8.5	mg/L	0.1	
Fluoride	0.35	mg/L	0.01	4
Hydrogen Sulfide	<0.1	mg/L	0.1	
Iron	0.01	mg/L	0.005	
Langlier Corrosivity Index	0.01	LCI		
Lead	<1	µg/L	1	TT
Magnesium	14.5	mg/L	0.05	
Manganese	<0.001	mg/L	0.001	
Mercury	<0.1	µg/L	0.1	2
Nickel	<0.005	mg/L	0.005	
Nitrate-N	0.61	mg/L	0.01	10
Nitrite/Nitrate-N	0.61	mg/L	0.02	10
Nitrite-N	<0.01	mg/L	0.01	1
Ortho Phosphate-P	0.02	mg/L	0.01	
Partial Alkalinity (as CaCO <sub>3</sub> )	<1	mg/L	1	
pH	8.4	pH UNITS		
Potassium	4.9	mg/L	0.05	
Selenium	<2	µg/L	2	50
Silica	7.5	mg/L	0.05	
Silver	<0.01	mg/L	0.01	
Sodium	95	mg/L	0.1	
Specific Conductance	678	µmhos/cm <sup>2</sup>	2	
Strontium	0.266	mg/L	0.001	
Sulfate	76	mg/L	5	
Temperature	15.2	° C	0.1	
Thallium	<1.7	µg/L	1.7	2
Total Alkalinity (as CaCO <sub>3</sub> )	86	mg/L	2	
Total Dissolved Solids	383	mg/L	10	
Total Hardness (as CaCO <sub>3</sub> )	115	mg/L	1	
Total Organic Carbon	2.6	mg/L	0.1	
Total Phosphorus-P	0.04	mg/L	0.03	
Total Solids	400	mg/L	10	
Total Trihalomethanes	32.2	µg/L	2	100
Turbidity	0.25	mg/L	0.1	TT
Vanadium	<0.002	mg/L	0.002	
Zinc	<0.005	mg/L	0.005	

MCL = Maximum Contaminant Level  
 TT = Treatment Technique  
 Avg. tap hardness = 6.7 grains/gal  
 mg/L = ppm (parts per million)

< = Less than the Method Detection Limit (MDL)  
 Ave. tap sodium = 80-100 mg/L  
 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.wichitagov.org](http://www.wichitagov.org)