



# Wichita Water Utilities

## 2009 Average Chemical Analysis of Treated Water

<u>Constituents</u>	<u>Wichita Level</u>	<u>Units</u>	<u>MDL</u>	<u>MCL</u>
Aluminum	<0.01	mg/L	0.01	
Ammonia-N	0.61	mg/L	0.007	
Antimony	<2.5	µg/L	2.5	6
Arsenic	<1	µg/L	1	10
Barium	0.048	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	28.4	mg/L	0.01	
Calcium Hardness	71	mg/L	0.02	
Chloride	115	mg/L	5	
Chlorine Residual, Combined	2.1	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	8.1	mg/L	0.1	
Fluoride	0.33	mg/L	0.01	4
Haloacetic Acid	10.6	µg/L	2	60
Hydrogen Sulfide	<0.1	mg/L	0.1	
Iron	<0.005	mg/L	0.005	
Langlier Corrosivity Index	0.16	LCI		
Lead	<1	µg/L	1	TT
Magnesium	14.2	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	0.74	mg/L	0.01	10
Nitrite/Nitrate-N	0.74	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 CaCO <sub>3</sub> )	<1	mg/L	1	
pH	8.4	pH UNITS		
Potassium	4.7	mg/L	0.05	
Selenium	<2	µg/L	2	50
Silica	8.9	mg/L	0.05	
Silver	<0.01	mg/L	0.01	
Sodium	93	mg/L	0.1	
Specific Conductance	738	µmhos/cm	2	
Strontium	0.307	mg/L	0.005	
Sulfate	69	mg/L	5	
Temperature	15.5	° C	0.1	
Thallium	<1.7	µg/L	1.7	2
Total Alkalinity (as CaCO <sub>3</sub> )	90	mg/L	2	
Total Dissolved Solids	393	mg/L	10	
Total Hardness (as CaCO <sub>3</sub> )	129	mg/L	1	
Total Organic Carbon	2.5	mg/L	0.1	
Total Phosphorus-P	0.06	mg/L	0.03	
Total Solids	409	mg/L	10	
Total Trihalomethanes	24	µg/L	2	80
Turbidity	0.18	NTU	0.1	TT
Vanadium	<0.002	mg/L	0.002	

TT = Treatment Technique  
 Avg. tap hardness = 7.5 grains/gal  
 mg/L = ppm (parts per million)

Sodium in 8 oz glass = 20-25 mg  
 One (1) grain/gal = 17.1 mg/L  
 µg/L = ppb (parts per billion)