



# Public Works & Utilities

## 2016 Average Chemical Analysis of Treated Water

Constituents	Wichita Level	Units	MDL	MCL
Aluminum	<0.05	mg/L	0.05	
Ammonia-N	0.53	mg/L	0.03	
Antimony	0.2	µg/L	0.05	6
Arsenic	1.21	µg/L	0.50	10
Barium	0.055	mg/L	0.01	2
Beryllium	<2	µg/L	2	4
Bromate	<0.005	mg/L	0.005	TT
Bromide	<0.04	mg/L	0.04	
Cadmium	<2	µg/L	2	5
Calcium	28.6	mg/L	0.5	
Calcium Hardness	71	mg/L	0.02	
Chloride	125	mg/L	5	
Chlorine Residual,	2.3	mg/L	0.05	TT
Chromium	<10	µg/L	10	100
Copper	<0.01	mg/L	0.01	TT
Cyanide	<5	µg/L	5	200
Dissolved Organic Carbon (as	2.6	mg/L	0.1	
Fluoride	0.3	mg/L	0.03	4
Haloacetic Acid	16	µg/L	2	60(RAA)
Iron	<0.1	mg/L	0.1	
Langlier Corrosivity Index	-0.32	LCI		
Lead	0.14	µg/L	0.2	TT
Magnesium	15	mg/L	0.05	
Manganese	<0.005	mg/L	0.005	
Nickel	<10	µg/L	10	
Nitrate-N	0.44	mg/L	0.01	10
Nitrite/Nitrate-N	0.44	mg/L	0.02	10
Nitrite-N	<0.01	mg/L	0.01	1
Ortho Phosphate-P	0.05	mg/L	0.04	
Partial Alkalinity (as CaCO3)	<1	mg/L	1	
pH	8.2	pH UNITS		
Potassium	5.6	mg/L	0.50	
Selenium	1.9	µg/L	0.50	50
Silica	4.6	mg/L	0.50	
Silver	<0.01	mg/L	0.010	
Sodium	97	mg/L	1	
Specific Conductance	735	µmhos/cm	2	
Specific Ultraviolet	0			
Strontium	0.235	mg/L	0.005	
Sulfate	65	mg/L	5	
Temperature	12.8	° C	0.1	
Thallium	0.14	µg/L	0.10	2
Total Alkalinity (as CaCO3)	95	mg/L	3	
Total Dissolved Solids	399	mg/L	10	
Total Hardness (as CaCO3)	133	mg/L	1	
Total Organic Carbon (as C)	2.6	mg/L	0.1	
Total Phosphorus-P	0.06	mg/L	0.03	
Total Trihalomethanes	35	µg/L	2	80(RAA)
Turbidity	0.11	NTU	0.05	TT
Vanadium	<0.005	mg/L	0.005	
Zinc	<0.1	mg/L	0.1	

MCL = EPA Maximum Contaminant Level  
 TT = Treatment Technique  
 Avg. tap hardness = 7.8 grains/gal  
 mg/L = ppm (parts per million)  
 RAA = Running Annual Average

< = Values less than Method Detection Limit  
 Sodium in 8 oz glass = 20-25 mg  
 One (1) grain/gal = 17.1 mg/L  
 µg/L = ppb (parts per billion)