



Public Works & Utilities

2018 Average Chemical Analysis of Treated Water

Constituents	Wichita Level	Units	MDL	MCL
Aluminum	<0.05	mg/L	0.05	
Ammonia-N	0.69	mg/L	0.007	
Antimony	0.2	µg/L	0.05	6
Arsenic	1.27	µg/L	0.5	10
Barium	0.046	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	27.7	mg/L	0.5	
Calcium Hardness	69	mg/L	0.02	
Chloride	123	mg/L	5	
Chlorine Residual,	2.66	mg/L	0.05	TT
Chromium	<10	µg/L	10	100
Copper	<0.01	mg/L	0.01	TT
Fluoride	0.34	mg/L	0.03	4
Haloacetic Acid	19	µg/L	2	60(RAA)
Iron	<0.1	mg/L	0.1	
Langlier Corrosivity Index	0.05	LCI		
Lead	<0.2	µg/L	0.2	TT
Magnesium	14.9	mg/L	0.05	
Manganese	<0.005	mg/L	0.005	
Nickel	<10	µg/L	10	
Nitrate-N	0.9	mg/L	0.02	10
Nitrite/Nitrate-N	0.9	mg/L	0.02	10
Nitrite-N	<0.01	mg/L	0.02	1
Ortho Phosphate-P	0.05	mg/L	0.04	
Partial Alkalinity (as CaCO ₃)	1.8	mg/L	1	
pH	8.4	pH UNITS		
Potassium	4.7	mg/L	0.5	
Selenium	2.7	µg/L	0.5	50
Silica	4.9	mg/L	0.5	
Silver	<0.01	mg/L	0.01	
Sodium	93	mg/L	1	
Specific Conductance	751	µmhos/cm	2	
Strontium	0.124	mg/L	0.005	
Sulfate	92	mg/L	5	
Temperature	15.9	° C	0.1	
Thallium	<0.10	µg/L	0.10	2
Total Alkalinity (as CaCO ₃)	81	mg/L	3	
Total Dissolved Solids	414	mg/L	10	
Total Hardness (as CaCO ₃)	131	mg/L	1	
Total Organic Carbon (as C)	2	mg/L	0.3	
Total Phosphorus-P	0.06	mg/L	0.03	
Total Trihalomethanes	33	µg/L	2	80(RAA)
Turbidity	0.07	NTU	0.05	TT
Vanadium	<0.005	mg/L	0.005	
Zinc	<0.10	mg/L	0.10	

MCL = EPA Maximum Contaminant Level
 TT = Treatment Technique
 Avg. tap hardness = 7.7 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)