



Public Works & Utilities

2017 Average Chemical Analysis of Treated Water

Constituents	Wichita Level	Units	MDL	MCL
Aluminum	<0.05	mg/L	0.05	
Ammonia-N	0.67	mg/L	0.007	
Antimony	0.2	µg/L	0.05	6
Arsenic	1.24	µg/L	0.5	10
Barium	0.05	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	72	mg/L	0.02	
Chloride	107	mg/L	5	
Chlorine Residual,	2.38	mg/L	0.05	TT
Chromium	<10	µg/L	10	100
Copper	<0.01	mg/L	0.01	TT
Fluoride	0.3	mg/L	0.03	4
Haloacetic Acid	17	µg/L	2	60(RAA)
Iron	<0.1	mg/L	0.1	
Langlier Corrosivity Index	-0.1	LCI		
Lead	<0.2	µg/L	0.2	TT
Magnesium	15.3	mg/L	0.05	
Manganese	<0.005	mg/L	0.005	
Mercury	<0.1	µg/L	0.1	2
Nickel	<10	µg/L	10	
Nitrate-N	0.5	mg/L	0.02	10
Nitrite/Nitrate-N	0.5	mg/L	0.02	10
Nitrite-N	<0.01	mg/L	0.01	1
Ortho Phosphate-P	0.04	mg/L	0.04	
Partial Alkalinity (as CaCO ₃)	1.5	mg/L	1	
pH	8.5	pH UNITS		
Potassium	5.1	mg/L	0.5	
Selenium	2	µg/L	0.5	50
Silica	6.8	mg/L	0.5	
Silver	<0.01	mg/L	0.01	
Sodium	88	mg/L	1	
Specific Conductance	708	µmhos/cm	2	
Strontium	0.25	mg/L	0.005	
Sulfate	72	mg/L	5	
Temperature	13.8	° C	0.1	
Thallium	<0.10	µg/L	0.10	2
Total Alkalinity (as CaCO ₃)	96	mg/L	2	
Total Dissolved Solids	393	mg/L	10	
Total Hardness (as CaCO ₃)	134	mg/L	1	
Total Organic Carbon (as C)	2.5	mg/L	0.1	
Total Phosphorus-P	0.07	mg/L	0.03	
Total Trihalomethanes	35	µg/L	2	80(RAA)
Turbidity	0.13	NTU	0.05	TT
Vanadium	<0.005	mg/L	0.005	
Zinc	<0.005	mg/L	0.005	

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)