City of Wichita Water and Sewer Department
1999 Average Chemical Analysis of Treated Water

Constituent	Wichita Level	Units	MDL	MCL
Aluminum	<MDL	mg/L	0.01	
Ammonia-N	0.47	mg/L	0.007	
Antimony	<MDL	ug/L	2.5	6
Arsenic	2	ug/L	1	50
Barium	0.039	mg/L	0.005	2
Beryllium	<MDL	ug/L	1	4
Bromide	0.05	mg/L	0.02	
Cadmium	<MDL	ug/L	0.1	5
Calcium	22	mg/L	0.03	
Chloride	118	mg/L	5	
Chlorine Residual, Combined	2.06	mg/L	0.05	
Chromium	<MDL	ug/L	1	100
Copper	<MDL	mg/L	0.005	TT
Cyanide	<MDL	ug/L	5	200
Dissolved Oxygen	8.9	mg/L	0.1	
Fluoride	0.3	mg/L	0.01	4
Iron	<MDL	mg/L	0.01	
Langlier Corrosivity Index	0.13	LCI		
Lead	<MDL	ug/L	1	TT
Magnesium	14.5	mg/L	0.05	
Manganese	<MDL	mg/L	0.005	
Mercury	<MDL	ug/L	0.1	2
Nickel	<MDL	mg/L	0.001	
Nitrate-N	0.72	mg/L	0.01	10
Nitrite-N	<MDL	mg/L	0.01	1
Nitrite/Nitrate-N	0.72	mg/L	0.02	10
Ortho Phosphate-P	0.01	mg/L	0.01	
Partial Alkalinity (as CaCO3)	4.3	mg/L	1	
pH	8.41	pH		
Selenium	<MDL	ug/L	2	50
Silica	9	mg/L	0.05	
Silver	<MDL	mg/L	0.01	
Sodium	94	mg/L	0.05	
Specific Conductance	651	umhos/cm2	2	
Sulfate	77	mg/L	5	
Temperature	16.6	degrees C	0.1	
Thallium	<MDL	ug/L	1.7	2
Total Alkalinity (as CaCO3)	79	mg/L	2	
Total Dissolved Solids	367	mg/L	10	
Total Hardness (as CaCO3)	115	mg/L	1	
Total Organic Carbon	2.6	mg/L	0.1	
Total Phosphorus-P	0.06	mg/L	0.03	
Total Solids	386	mg/L	10	
Total Trihalomethanes	33	ug/L	2	100
Turbidity	0.22	NTU	0.1	TT
Vanadium	<MDL	ug/L	9	
Zinc	<MDL	mg/L	0.005	

MCL = EPA Maximum Contaminant Level
TT = Treatment Technique
One (1) grain/gallon = 17.1 mg/L (ppm)
mg/L = ppm (parts per million)

<MDL = Value less than Method Detection Limit
Average tap sodium = 80 - 100 mg/L (ppm)
Average tap hardness = 6.7 grains/gallon
ug/L = ppb (parts per billion)