

Sioux Falls Water Division
Raw Water Quality 2018
 (Before Treatment)

	Average mg/L	Minimum mg/L	Maximum mg/L
Alkalinity, Total (as CaCO ₃)	303	217	380
Ammonia , as NH ₃ -N	0.2	< 0.1	0.9
Chloride	24	17	31
Dissolved Solids, Total	544	292	662
Fluoride	0.4	0.3	0.6
Hardness, Total (as CaCO ₃)	487	366	620
Calcium Hardness (as CaCO ₃)	294	224	392
Magnesium Hardness (as CaCO ₃)	193	67	304
Iron	1.04	0.12	11.0
Manganese	1.2	0.06	1.7
Nickel	< 0.01	< 0.01	0.0
Nitrate	0.40	< 0.1	1.53
pH , units	7.41	7.12	7.70
Phosphate, Total	0.22	< 0.1	0.83
Total Organic Carbon	5.8	3.7	12
Sulfate	185	142	255
Temperature , °C	11.0	5.0	15.0
Turbidity , NTU	7.10	0.50	199
Zinc	< 0.01	< 0.01	0.08

BDL = Below Detection Limit

All results in mg/L unless noted

All hardness and alkalinity results are as calcium carbonate (CaCO₃)

NTU = nephelometric turbidity units

To change calcium hardness as CaCO₃ to as calcium (Ca) divide the result by 2.5

To change magnesium hardness as CaCO₃ to as magnesium (Mg) divide the result by 4.12