

Sioux Falls Water Division
Raw Water Quality 2019
 (Before Treatment)

	Minimum Reporting Level	Average mg/L	Minimum mg/L	Maximum mg/L
Alkalinity, Total (as CaCO ₃)	1	321	237	372
Ammonia , as NH ₃ -N	0.2	0.2	BDL	0.6
Chloride	2	19	13	34
Dissolved Solids, Total	6.4	585	290	895
Fluoride	0.5	0.4	0.3	0.5
Hardness, Total (as CaCO ₃)	1	490	371	620
Calcium Hardness (as CaCO ₃)	1	307	248	380
Magnesium Hardness (as CaCO ₃)	1	184	63	311
Iron	0.03	1.17	0.24	17.3
Manganese	0.01	1.2	0.09	2.1
Nickel	0.04	BDL	BDL	0.0
Nitrate	0.2	0.40	BDL	1.44
Perfluoroalkyl Substances (ng/L)	2 ng/L	BDL	BDL	BDL
pH , units	-	7.37	7.14	8.36
Phosphate, Total	0.1	0.14	0.03	0.47
Total Organic Carbon	1	5.3	3.0	10
Sulfate	10	169	110	274
Temperature , °C	-	10.0	6.0	14.0
Turbidity , NTU	0.03	11.10	1.00	331
Zinc	0.01	BDL	BDL	0.01

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

Perfluoroalkyl Substances results in parts per trillion (ppt) or nanograms per liter (ng/L)

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