

Sioux Falls Water Division
Raw Water Quality 2020
 (Before Treatment)

	Minimum Reporting Level	Average	Minimum	Maximum
		mg/L	mg/L	mg/L
Alkalinity, Total (as CaCO ₃)	1	302	194	398
Ammonia , as NH ₃ -N	0.2	0.2	BDL	0.7
Chloride	2	23	17	32
Dissolved Solids, Total	6.4	591	372	931
Fluoride	0.5	0.4	0.1	0.6
Hardness, Total (as CaCO ₃)	1	508	412	579
Calcium Hardness (as CaCO ₃)	1	307	223	391
Magnesium Hardness (as CaCO ₃)	1	202	67	297
Iron	0.03	0.95	0.03	8.3
Manganese	0.01	1.0	0.07	1.8
Nickel	0.04	BDL	BDL	BDL
Nitrate	0.2	0.31	BDL	1.03
Perfluoroalkyl Substances (ng/L)	2 ng/L	BDL	BDL	BDL
pH , units	-	7.30	7.00	7.57
Phosphate, Total	0.1	0.20	BDL	0.69
Total Organic Carbon	1	4.4	3.2	8.4
Sulfate	10	219	153	297
Temperature , c	-	12.1	6.0	19.0
Turbidity , NTU	0.03	7.20	0.50	302
Zinc	0.01	BDL	BDL	0.02

All results in mg/L unless noted

BDL = Below detection limit

C = Degrees Celcius

mg/L = milligrams per liter (parts per million)

µg/L = micrograms per liter (parts per billion)

ng/L = nanograms per liter (parts per trillion)

CaCO₃ = Calcium carbonate

Perfluoroalkyl Substances include: Perfluorobutanesulfonic Acid, Perfluorodecanoic Acid, Perfluorododecanoic Acid, Perfluoroheptanoic Acid, Perfluoroheptanesulfonic Acid, Perfluorohexanoic Acid, Perfluorononanoic Acid, Perfluorooctanesulfonic Acid, Perfluorooctanoic Acid, Perfluorotetradecanoic Acid, Perfluorotridecanoic Acid, Perfluoroundecanoic Acid, N-ethyl Perfluorooctanesulfonamido acetic acid and N-methyl Perfluorooctanesulfonamido acetic acid

NTU = Nephelometric Turbidity units. This is a measure of the suspended material in the water

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

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