Sioux Falls Water Division

Parameter	Minimum Reporting Level	Water Plant Treated Water 2019			Lewis and Clark Treated Water 2019		
		Average	Minimum	Maximum	Average	Minimum	Maximum
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Alkalinity (as $CaCO_3$)	1	56	28	132	71	59	96
Ammonia (as NH_3-N)	0.2	0.63	0.42	0.82	0.72	0.47	0.91
Chlorate, µg/L	10	BDL	BDL	BDL	243	99	500
Chloride	2	24	15	38	15	14	22
Chlorine, Total	0.05	3.3	2.8	3.6	3.0	2.7	3.3
Dissolved Solids, Total	6.4	343	179	586	450	380	671
Fluoride	0.5	0.66	0.55	0.82	0.74	0.36	0.88
Hardness, Total (as $CaCO_3$)	1	228	155	355	166	144	223
Hardness, Total (grains per gallon)	-	13			10		
Calcium Hardness (as $CaCO_3$)	1	100	56	163	93	8	124
Magnesium Hardness (as $CaCO_3$)	1	128	58	228	74	38	160
Iron	0.03	0.03	BDL	0.05	0.04	BDL	0.17
Manganese	0.01	0.01	BDL	0.03	0.01	BDL	0.13
Nickel	0.04	BDL	BDL	BDL	BDL	BDL	BDL
Nitrate	0.2	0.66	BDL	1.67	0.59	0.27	0.94
Perchlorate, µg/L	4	BDL	BDL	BDL	BDL	BDL	BDL
Perfluoroalkyl Substances (ng/L)	2	BDL	BDL	BDL	BDL	BDL	2.6
pH, units	-	8.4	7.7	8.98	8.8	8.5	9.0
Total Organic Carbon	1	3.4	2.6	5.5	3.7	2.5	6.1
Total Phosphate	0.1	0.11	0.07	0.17	0.13	BDL	0.2
Sulfate	10	167	111	271	237	223	273
Temperature, C	-	10.3	6.0	14.0	12.9	11.0	15.6
Turbidity, NTU	0.03	0.06	0.03	0.14	0.07	0.04	0.19
UV-254	-	0.027	0.017	0.052	0.036	0.023	0.057
Zinc	0.01	BDL	BDL	0.010	BDL	BDL	0.020

All results in mg/L unless noted
All hardness and alkalinity results are as calcium carbonate (CaCO3)
To chage calcium hardness as CaCO3 to as calcium (Ca) divide the result by 2.5
To chage magnesium hardness as CaCO3 to as magnesium (Mg) divide the result by 4.12
mg/L = milligrams per liter (parts per million)
µg/L = micrograms per liter (parts per billion)
ng/L = nanograms per liter (parts per trillion)
Perfluoroalkyl Substances include: Perfluorobutanesulfonic Acid, Perfluorodecanoic Acid, Perfluorododecanoic Acid, Perfluoroheptanoic Acid, Perfluorohexanesulfonic Acid, Perfuorohexanoic Acid, Perfluorononanoic Acid, Perfluorooctanesulfonic Acid, Perfluorooctanoic Acid Perfluorotetradecanoic Acid, Perfluorotridecanoic Acid, and Perfluoroundecanoic Acid
NTU = Nephelometric Turbidity units. This is a measure of the suspended material in the water
C = Degrees Celcius
CaCO3 = Calcium carbonate
BDL = Below detection limit