

### Sioux Falls Water Division

Parameter	Minimum Reporting Level	Water Plant Treated Water 2020			Lewis and Clark Treated Water 2020		
		Average mg/L	Minimum mg/L	Maximum mg/L	Average mg/L	Minimum mg/L	Maximum mg/L
Alkalinity (as CaCO <sub>3</sub> )	1	59	33	88	68	50	127
Ammonia (as NH <sub>3</sub> -N)	0.2	0.61	0.46	0.80	0.73	0.51	0.89
Chlorate, µg/L	10	BDL	BDL	BDL	195	68	350
Chloride	2	25.7	20.0	39.0	15.5	13.5	23.5
Chlorine, Total	0.05	3.2	2.7	3.6	3.0	2.3	3.3
Dissolved Solids, Total	6.4	380	306	608	439	308	673
Fluoride	0.5	0.65	0.55	0.77	0.73	0.62	0.84
Hardness, Total (as CaCO <sub>3</sub> )	1	259	212	314	181	150	229
Hardness, Total (grains per gallon)	-	15			10		
Calcium Hardness (as CaCO <sub>3</sub> )	1	131	98	186	106	74	154
Magnesium Hardness (as CaCO <sub>3</sub> )	1	128	50	190	75	21	117
Iron	0.03	BDL	BDL	0.20	BDL	BDL	0.11
Manganese	0.01	0.01	BDL	0.03	BDL	BDL	0.05
Nickel	0.04	BDL	BDL	BDL	BDL	BDL	BDL
Nitrate	0.2	0.53	0.15	1.0	0.52	0.40	0.80
Perchlorate, µg/L	4	BDL	BDL	BDL	BDL	BDL	BDL
Perfluoroalkyl Substances (ng/L)	2	BDL	BDL	BDL	BDL	BDL	2.2
pH, units	-	8.6	8.1	9.0	8.7	8.3	8.9
Total Organic Carbon	1	3.2	2.3	5.2	3.3	2.9	4.5
Total Phosphate	0.1	0.10	BDL	0.19	0.08	BDL	0.23
Sulfate	10	209	155	272	251	232	354
Temperature, c	-	11.4	7.0	16.0	12.8	10.0	18.0
Turbidity, NTU	0.03	0.06	0.03	0.07	0.06	0.01	0.10
UV-254	-	0.030	0.019	0.050	0.037	0.023	0.042
Zinc	0.01	BDL	BDL	0.07	BDL	BDL	0.10

All results in mg/L unless noted

CaCO<sub>3</sub> = Calcium carbonate

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)

Perfluoroalkyl Substances include: Perfluorobutanesulfonic Acid, Perfluorodecanoic Acid, Perfluorododecanoic Acid, Perfluoroheptanoic Acid, Perfluorohexanesulfonic 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 (CaCO<sub>3</sub>)

To chage calcium hardness as CaCO<sub>3</sub> to as calcium (Ca) divide the result by 2.5

To chage magnesium hardness as CaCO<sub>3</sub> to as magnesium (Mg) divide the result by 4.12