

**Sioux Falls Water Division**  
**Raw Water Quality 2017**  
 (Before Treatment)

	<b>Average</b> mg/L	<b>Minimum</b> mg/L	<b>Maximum</b> mg/L
<b>Alkalinity, Total</b> (as CaCO <sub>3</sub> )	288	226	360
<b>Ammonia</b> , as NH <sub>3</sub> -N	0.2	BDL	1.0
<b>Chloride</b>	23	16	30
<b>Dissolved Solids, Total</b>	573	551	598
<b>Fluoride</b>	0.4	0.2	0.9
<b>Hardness, Total</b> (as CaCO <sub>3</sub> )	473	408	574
<b>Calcium Hardness</b> (as CaCO <sub>3</sub> )	284	200	375
<b>Magnesium Hardness</b> (as CaCO <sub>3</sub> )	189	89	259
<b>Iron</b>	1.20	BDL	11.7
<b>Manganese</b>	1.2	BDL	1.6
<b>Nitrate</b>	0.34	BDL	0.78
<b>pH</b> , units	7.30	6.86	7.63
<b>Phosphate, Total</b>	0.30	0.14	2.00
<b>Total Organic Carbon</b>	5.4	2.8	11
<b>Sulfate</b>	189	123	246
<b>Temperature</b> , C	12.1	8.0	17.0
<b>Turbidity</b> , NTU	8.00	0.70	229

BDL = Below Detection Limit

All results in mg/L unless noted

All hardness and alkalinity results are as calcium carbonate (CaCO<sub>3</sub>)

NTU = nephelometric turbidity units

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

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