



CITY OF SOUTH BEND

DEPARTMENT OF PUBLIC WORKS

South Bend Water Quality Parameters

Data obtained from analysis of water from all wellfields in 2020.

Frequently Requested Water Quality Parameters	Range	Average
pH (s.u) SMCL range 6.5 - 8.5	7.1 - 8.0	7.5
Hardness (ppm as CaCO ₃) *	284 - 440	374
Alkalinity (ppm as CaCO ₃)	223 - 396	287
Calcium (ppm)	74 - 106	90
Sodium (ppm)	10 - 82	43
Magnesium (ppm)	24 - 38	31
Chloride (ppm) SMCL 250	40 - 159	95
Lead (ppm)	ND	ND
Total Dissolved Solids (ppm) SMCL 500	356 - 682	513
Sulfate (ppm) SMCL 250	26 - 63	46
Ammonia (ppm)	ND - 0.046	ND

*Average Hardness = 22 grains/gallon

ND: Not Detected

SMCL: Secondary Maximum Contaminant Level. Non-mandatory water quality standard level set as a guideline for drinking water aesthetic considerations such as taste, color, and odor. Parameters at an SMCL are not considered a risk to human health.