



CITY OF SOUTH BEND

DEPARTMENT OF PUBLIC WORKS

South Bend Water Quality Parameters

Data obtained from analysis of water from all treatment plants in 2023

Frequently Requested Water Quality Parameters	Range	Average
pH (s.u) SMCL range 6.5 - 8.5	7.1 - 8.1	7.5
Hardness (ppm as CaCO ₃) *	276 - 560	371
Alkalinity (ppm as CaCO ₃)	230 - 383	293
Conductivity (µS/cm)	627 - 1363	931
Calcium (ppm)	33 - 120	95
Sodium (ppm)	8 - 100	47
Magnesium (ppm)	13 - 42	35
Chloride (ppm) SMCL 250	34 - 190	93
Total Dissolved Solids (ppm) SMCL 500	352 - 738	520
Sulfate (ppm) SMCL 250	20 - 74	42

*Average Hardness = 22 grains/gallon

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.