

2020 Water Quality Test Results

Below are the water quality test results from the Saginaw Water Treatment System during 2020, unless otherwise noted. The State allows us to monitor for certain contaminants less than once per year because their concentrations are not expected to change year-to-year. Our water was produced in accordance with all state and federal regulations.

parameter	test date	unit	avg	range	MRDL	MRDLG	violation	likely sources
● Regulated Inorganic Parameters (sampled in the distribution system)								
Chlorine	2020	ppm	0.95	0.87-1.04	4	4	no	Water additive used to control microbials
parameter	test date	unit	avg	range	MCL	MCLG	violation	likely sources
● Regulated Inorganic Parameters (sampled at the plant's finished water tap)								
Fluoride ¹	2020	ppm	0.65	na	4	4	no	Water additive to promote strong teeth
Barium	2014	ppm	0.28	na	2	2	no	Erosion of natural deposits
● Regulated Microbiological Parameters (sampled in the filtered water confluence)								
Turbidity ²	2020	NTU	0.06	0.05-0.24	TT	none	no	Soil runoff, suspended matter in lake water
<p>1. Saginaw monitors and supplements the fluoride level in drinking water to maintain a level close to 0.8 ppm to promote dental health. This fits with EPA's secondary fluoride standard of 2 ppm to prevent dental disease in children. The level reported above is from annual regulatory sampling. City staff also conduct daily fluoride sampling. Results in 2020 were: average=0.69 ppm; range=0.14-0.77 ppm.</p> <p>2. To determine that our treatment process is working effectively, turbidity in systems that provide filtration, like Saginaw, must never exceed 1 NTU, and must not exceed 0.3 NTU in more than 95% of daily samples in any month to remain in compliance. 100% of our samples achieved these requirements in 2020.</p>								
parameter	test date	unit	avg	range	MCL/MCLG	violation	likely sources	
● Unregulated Parameters (not regulated at the State or Federal Level)								
Sodium ³	2020	ppm	5.3	na	unregulated	no	Naturally occurring	
<p>3. For those concerned about sodium in their diet, 5.3 ppm equates to 1.25 milligrams of sodium per 8 ounce glass of water.</p>								