

To understand the possible health effects described for many regulated contaminants, a person would have to drink 2 liters of water every day at the MCL level for a lifetime to have a one-in-a-million chance of having the described health effect.

The data presented in this report are from the most recent testing done in accordance with administrative regulations in 401 KAR Chapter 8. As authorized and approved by EPA, the State has reduced monitoring requirements for certain contaminants to less often than once per year because the concentrations of these contaminants are not expected to vary significantly from year to year. Some of the data in this table, though representative, may be more than one year old. Copies of this report are available upon request by contacting our office during business hours.

Regulated Contaminant Test Results									
A=Monticello Utility Commission B=Bronston Water Association									
Contaminant	MCL	MCLG	Source	Report Level	Range of Detection	Date of Sample	Violation	Likely Source of Contamination	
<b>Inorganic Contaminants</b>									
Arsenic [1005] (ppb)	10	N/A	A=	0.030	0.03 to 0.03	Aug-22	No	Erosion of natural deposits; runoff from orchards; runoff from glass and electronics production wastes	
Barium [1010] (ppm)	2	2	A=	0.020	0.02 to 0.02	Aug-22	No	Drilling wastes; metal refineries; erosion of natural deposits	
Fluoride [1025] (ppm)	4	4	A=	0.85	0.85 to 0.85	Aug-22	No	Water additive which promotes strong teeth	
<b>Disinfectants/Disinfection Byproducts and Precursors</b>									
Total Organic Carbon (ppm) (measured as ppm, but reported as a ratio)	TT*	N/A	A=	1.18 (lowest average)	1.00 to 2.50 (monthly ratios)	2022	No	Naturally present in environment.	
*Monthly ratio is the % TOC removal achieved to the % TOC removal required. Annual average of the monthly ratios must be 1.00 or greater for compliance.									
Chlorine (ppm)	MRDL = 4	MRDLG = 4	B=	1.52 (highest average)	0.5 to 2.13	2022	No	Water additive used to control microbes.	
HAA (ppb) (all sites) [Haloacetic acids]	60	N/A	B=	28 (system average)	18 to 42 (range of system sites)	2022	No	Byproduct of drinking water disinfection	
TTHM (ppb) (all sites) [total trihalomethanes]	80	N/A	B=	46 (system average)	28 to 51 (range of system sites)	2022	No	Byproduct of drinking water disinfection.	
<b>Household Plumbing Contaminants</b>									
Copper [1022] (ppm) sites exceeding action level 0	AL = 1.3	1.3	B=	0.048 (90 <sup>th</sup> )	0.009 to 0.29	Sep 21	No	Human and animal fecal waste	
<b>Other Constituents</b>									
Turbidity (NTU) TT * Representative samples	Allowable Levels			Highest Single Measurement	Lowest Monthly %	Violation	Likely Source		
Turbidity is a measure of the clarity of the water and a not a contaminant	No more than 1 NTU* Less than 0.3 NTU in 95% of monthly samples		A=	0.09	100	No	Soil runoff		

	Average	Range of Detection	
Sodium (EPA guidance level = 20/mg/L)	11.1	11.1	to 11.1

Secondary contaminants do not have a direct impact on the health of consumers. They are being included to provide additional information about the quality of the water.

Secondary Contaminant	Maximum Allowable Level		Report Level	Range of Detection	Date of Sample
Aluminum	0.05 to 0.2 mg/l	A=	0.36	0.36 to 0.36	Aug-22
Chloride	250 mg/l	A=	28.7	28.7 to 28.7	Aug-22
Copper	1.0 mg/l	A=	0.082	0.082 to 0.082	Aug-22
Corrosivity	Noncorrosive	A=	-0.854	-0.854 to -0.854	Aug-22
Fluoride	2.0 mg/l	A=	0.69	0.69 to 0.69	Aug-22
Sulfate	250 mg/l	A=	24.1	24.1 to 24.1	Aug-22
Total Dissolved Solids	500 mg/l	A=	171	171 to 171	Aug-22

If you have any questions regarding this report or would like to request a copy, please contact Vickie Ramsey at (606) 561-5209.