Additional Information

1. Total organic carbon (TOC) removal percentages ranged from 24.3% to 55.3%

2. Turbidity levels ranged from 0.02 to 0.06 with an average of 0.03 turbidity units. The lowest level of compliance on a monthly basis was 100%.

A measurement of the cloudiness of the water caused by suspended particles. We monitor because it's a good indicator of water quality and the effectiveness of our filtration.

3. Copper & Lead – data listed is from 2020 and are the most recent testing done in accordance with regulations. None of the samples tested exceeded the action level for copper and lead. Next sampling period is in 2023.

4. Chloramine levels ranged from 2.08 to 2.17 ppm, with an average of 2.09 ppm

5. Fluoride levels ranged from 0.36 to .85 ppm with an average of 0.05ppm.

6. TTHM– Trihalomethanes Average listed is the greatest LRAA for any sample site during 2020**.** Total trihalomethane (TTHM) levels ranged from 36.3 to 76.8 ppb. Some people who drink water containing trihalomethanes in excess of the MCL over many years could experience problems with their liver, kidneys, or central nervous systems and may have increased risk of getting cancer.

7. HAA5– Haloacetic Acids Average listed is the greatest LRAA for any sample site during 2020**.** Haloacetic acids(HAA5) levels ranged from 22.7 to 47.1 ppb. Some people who drink water containing haloacetic acids in excess of the MCL over many years may have an increased risk of getting cancer.

Substance	Highest Level Allowed	Highest Level Detected	Violation	Ideal Goals	Sources Of Contamination
Microbiological Contaminants					
Total Organic Carbon (TOC)	Minimum 35% removal	41.0 removal average	No	None	Naturally present in the environment
Turbidity	Limit (treatment technique)	Level detected			
Highest single measurement	1 NTU	0.15 NTU	NO		Soil Runoff
Lowest monthly % meeting limit	0.3 NTU	100%	NO		Soil Runoff
Total Coliform Bacteria	1 positive sample	0 positive samples	No	None	Naturally present in the environment
Radioactive Contaminants					
Gross alpha excluding radon & uranium	15 pCi/L	1.16 pCi/L	No	0	Erosion of natural deposits
Radium-228	5 pCi/L	0.162 pCi/L	No	0	Erosion of natural deposits
Inorganic Contaminants					
Barium	2 ppm	0.014ppm	No	2ppm	Erosion of natural deposits
Copper	TT; action level =1.3 ppm	0.021 ppm (90^{th} percentile) (3) **SMWA**	No	1.3 ppm	Corrosion of household plumbing systems; erosion of natural deposits
Chloramines (as chlorine)	4.0 ppm (MRDL)	2 ppm 2ppm **SMWA**	No	4ppm (MRDLG)	Water additive to control microbes
Fluoride	4.0 ppm (MRDL)	.05 ppm	No	4 ppm	Water additive which promotes strong teeth
Lead	TT; action level=15 ppb	1.1 ppb (90^{th} percentile) (3) **SMWA**	No	0	Corrosion of household plumbing systems, erosion of natural deposits
Organic Contaminants					
Total Trihalomethanes (TTHM)	Highest level detected 45 **49.5 SMWA**	Range of levels detected 31.9-74 **36.3-76.8 SMWA**	No	0	By product of drinking water disinfection
Haloacetic Acids (HAA5)	Highest level detected 34 **37.5 SMWA**	Range of levels detected 20.5-50.1 **22.7-47.1 SMWA**	No	0	By product of drinking water chlorination

Listed above are 12 contaminants detected in Bloomington's drinking water during 2020. All are within allowable levels. Not listed are the over 65 primary contaminants for which were tested but not detected. SMWA -Southern Monroe Water Authority results