

Additional Information

1. **Total organic carbon (TOC)** removal percentages ranged from 33.4% to 45.2%

2. **Turbidity** levels ranged from 0.02 to 0.65 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. **Chloramines** levels ranged from 2 to 2ppm, with an average of 2 ppm

5. **TTHM**– Trihalomethanes Average listed is the greatest LRAA for any sample site during 2021. Total trihalomethane (TTHM) levels ranged from 39.2 to 62.5 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.

6. **HAA5**– Haloacetic Acids Average listed is the greatest LRAA for any sample site during 2021. Haloacetic acids(HAA5) levels ranged from 31 to 52 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

Listed in the contaminant table are 13 contaminants detected in Bloomington’s drinking water during 2021. All are within allowable levels. Not listed are the over 65 primary contaminants for which we tested that were not detected.

Substance	Highest Level Allowed	Highest Level Detected	Violation	Ideal Goals	Source Of Contamination
MICROBIOLOGICAL CONTAMINANTS					
Total Coliform Bacteria	1 positive monthly sample	0 positive samples	No	None	Naturally present in the environment
Total Organic Carbon	Min. 35% removal	39.9% removal average	NO	None	Natural present in the environment
Turbidity	Treatment Technique (TT)	0.65 Turbidity units	NO	None	Soil Runoff
RADIOACTIVE CONTAMINANTS					
Gross alpha excluding radon and 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	0.012 ppm	NO	2ppm	Erosion of natural deposits
Copper	TT; action level =1.3	0.042 ppm CBU (90th percentile) 0.021 ppm SMWA (90th percentile)	NO	1.3 ppm	Corrosion of household plumbing systems; erosion of natural deposits
Chloramines As Chlorine	4.0 ppm (MRDL)	2 ppm CBU 2 ppm SMWA	NO	4 ppm MRDLG	Water additive to control microbes
Lead	TT; action level = 15 ppb	4.6 ppb CBU (90th percentile) 1.1 ppb SMWA (90th percentile)	NO	0	Corrosion of household plumbing systems; erosion of natural deposits
ORGANIC CONTAMINANTS					
Total Trihalomethanes	80 ppb	48.7 ppb average CBU 47.5 ppb average SMWA	NO	0	By-product of water disinfection
Haloacetic Acids	60 ppb	42.2 ppb average CBU 37.3 ppb average SMWA	NO	0	By-product of water disinfection
Atrazine	3ppb	0.2 ppb	NO	3ppb	Runoff from herbicide used on row crops
2,4-D	70ppb	0.2 ppb	NO	70ppb	Runoff from herbicide used on row crops