Substance	Highest Level Allowed	Highest Level Detected	Violation	Ideal Goals	Source Of Contamination
MICROBIOLOGICAL CONTAMINANTS					
Total Organic Carbon (1) TOC	Min. 35% removal	40.5% removal average	No	None	Natural present in the environment
Turbidity (2)	Treatment Technique (TT)	1.3 Turbidity units	Yes CBU	None	Soil Runoff
RADIOACTIVE CONTAMINANTS					
Beta/photon emitters (9)	50 mrem/yr	3.3 pCi/L	No	0	Decay of natural man-made deposits
Gross alpha excluding radon and uranium	15 pCi/l	0.1 pCi/L	No	0	Erosion of natural deposits
Combined Radium-226/228	5 pCi/l	0.37 pCi/L	No	0	Erosion of natural deposits
INORGANIC CONTAMINANTS					
Barium	2 ppm	0.015 ppm	No	2ppm	Erosion of natural deposits
Copper Free (4)	TT; action level =1.3	0.035 ppm **CBU** (90th percentile) 0.023 ppm **SMWA** (90th percentile)	No	1.3 ppm	Corrosion of household plumbing systems; erosion of natural deposits
Chloramines (5) As Chlorine	4.0 ppm (MRDL)	3.5 ppm **CBU** 2 ppm **SMWA**	No	4 ppm MRDLG	Water additive to control microbes
Fluoride (8)	4 ppm	0.48 ppm	No	4 ppm	Water additive which promotes strong teeth
Lead (4)	TT; action level = 15 ppb	3.3ppb **CBU (**90th percentile) 0 ppb **SMWA** (90th percentile)	No	0	Corrosion of household plumbing systems; erosion of natural deposits
ORGANIC CONTAMINANTS					
Total (TTHM) (6) Trihalomethanes	80 ppb	48.2 ppb average **CBU** 43.3 ppb average **SMWA**	No	0	By-product of water disinfection
Haloacetic Acids (HAA5) (7)	60 ppb	35.1 ppb average **CBU** 29.8 ppb average **SMWA**	No	0	By-product of water disinfection
2,4-D	70ppb	0.21 ppb	No	70ppb	Runoff from herbicide used on row crops

Additional Information

1. Total organic carbon (TOC) removal percentages ranged from 32.4% to 55.0%

2. Turbidity levels ranged from 0.02 to 1.3 with an average of 0.057 turbidity units. The lowest level of compliance on a monthly basis was 99%. 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. The gross beta particle activity MCL is 4 miillirems/year annual dose equivalent to the body or any internal organ. 50Ci/L is used as a screening level.

4. Copper & Lead – data listed is from 2023 and are the most recent SMWA testing done in accordance with regulations. None of the SMWA samples tested exceeded the action level for copper and lead. Next sampling period is in 2026. (**SMWA)** Data listed is from 2022 and are the most recent testing done, in accordance with regulations. **(CBU)**

5. Chloramines levels ranged from 0.00 to 2ppm with an average of 2ppm (**SMWA)** 0.00 to 305ppm with an average of 2.27ppm **(CBU)**

6. **TTHM**– Trihalomethanes Average listed is the greatest LRAA for any sample site during 2024. Total trihalomethane (TTHM) levels ranged from 30 to 51ppb. 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. **(SMWA)** 26.8 to 162.1 ppb **(CBU)**

7. **HAA5–** Haloacetic Acids Average listed is the greatest LRAA for any sample site during 2024. Haloacetic acids(HAA5) levels ranged from 23 to 31ppb. Some people who drink water containing haloacetic acids in excess of the MCL over many years may have an increased risk of getting cancer. **(SMWA)** 19.6 to 64.5 ppb **(CBU)**

8. **Fluoride —** Levels ranged from 0.00 to 0.48 mg/l, with an average of 0.090 mg/l

9**. Beta/photon emitters -**Certain minerals are radioactive and may emit forms of radiation known as photons and beta radiation. Some people who drink water containing beta particle and photon radioactivity in excess of the MCL over many years may have an increased risk of getting cancer.

Listed in the contaminant table are 14 contaminants detected in The City Of Bloomington's drinking water during 2024. All are within allowable levels. Not listed are the over 70 primary contaminants for which we tested that were not detected.