

Substance	Highest Level Allowed	Highest Level Detected	Violation	Ideal Goals	Source Of Contamination
<b>MICROBIOLOGICAL CONTAMINANTS</b>					
Total Coliform Bacteria	5 percent <b>CBU</b> 1 positive monthly sample <b>SMWA</b>	1.1 percent <b>CBU</b> 0 positive samples <b>SMWA</b>	No	None	Naturally present in the environment
Total Organic Carbon (1)	Min. 35% removal	38.3% removal average	No	None	Natural present in the environment
Turbidity (2)	Treatment Technique (TT)	0.10 Turbidity units	No	None	Soil Runoff
<b>RADIOACTIVE CONTAMINANTS</b>					
Beta/photon emitters	4 mrem/yr	3.3 mrem/yr	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
<b>INORGANIC CONTAMINANTS</b>					
Barium	2 ppm	0.017 ppm	No	2ppm	Erosion of natural deposits
Copper (3)	TT; action level =1.3	0.035 ppm <b>CBU</b> (90th percentile) 0.023 ppm <b>SMWA</b> (90th percentile)	No	1.3 ppm	Corrosion of household plumbing systems; erosion of natural deposits
Chloramines (4) As Chlorine	4.0 ppm (MRDL)	3.2 ppm <b>CBU</b> 2 ppm <b>SMWA</b>	No	4 ppm MRDLG	Water additive to control microbes
Fluoride	4 ppm	0.050 ppm	No	4 ppm	Water additive which promotes strong teeth
Lead (3)	TT; action level = 15 ppb	3.3ppb <b>CBU</b> (90th percentile) 0 ppb <b>SMWA</b> (90th percentile)	No	0	Corrosion of household plumbing systems; erosion of natural deposits
<b>ORGANIC CONTAMINANTS</b>					
Total (TTHM) (5) Trihalomethanes	80 ppb	48.0ppb average <b>CBU</b> 42.5 ppb average <b>SMWA</b>	No	0	By-product of water disinfection
Haloacetic Acids (HAA5) (6)	60 ppb	35.1 ppb average <b>CBU</b> 34.5 ppb average <b>SMWA</b>	No	0	By-product of water disinfection
2,4-D (3)	70ppb	0.2 ppb	No	70ppb	Runoff from herbicide used on row crops

**Additional Information**

- Total organic carbon (TOC)** removal percentages ranged from 31.0% to 47.9% Violation 3/31/23—4/29/23 Total organic carbon 327 1AC 8-2.5-20 failure to sample and or report results. Public notice was sent to CBU customers in June 2023 and the utility returned to compliance. **CBU**
- Turbidity** levels ranged from 0.04 to 0.10 with an average of 0.054 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.
- 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.
- Chloramines** levels ranged from 0.00 to 2ppm with an average of 2ppm
- TTHM**– Trihalomethanes Average listed is the greatest LRAA for any sample site during 2023. Total trihalomethane (TTHM) levels ranged from 31 to 50 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.
- HAA5**– Haloacetic Acids Average listed is the greatest LRAA for any sample site during 2023. Haloacetic acids(HAA5) levels ranged from 26 to 35 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.
- Fluoride** — Levels ranged from 0.00 to 0.73 mg/l, with an average of 0.31 mg/l
- 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.
- Total Coliform Bacteria**—Coliforms are bacteria that are naturally present in the environment and are used as an indicator that other, potentially-harmful, bacteria may be present. Coliforms were found in more samples than allowed and this was a warning of potential problems. **CBU**

Listed in the contaminant table are 14 contaminants detected in The City Of Bloomington's drinking water during 2023. All are within allowable levels. Not listed are the over 70 primary contaminants for which we tested that were not detected.