

Additional Information

1. **Total organic carbon (TOC)** removal percentages ranged from 36.1% to 57.7%

2. **Turbidity** levels ranged from 0.02 to 0.20 with an average of 0.05 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 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 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 2022. Total trihalomethane (TTHM) levels ranged from 30 to 49 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 2022. Haloacetic acids(HAA5) levels ranged from 24 to 58 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 2022. All are within allowable levels. Not listed are the over 70 primary contaminants for which we tested that were not detected.

Annual Water Quality Report for the period of January 1st 2022 to December 31st 2022

| 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 (1) | Min. 35% removal | 44.5% removal average | NO | None | Natural present in the environment |
| Turbidity (2) | Treatment Technique (TT) | 0.20 Turbidity units | NO | None | Soil Runoff |
| RADIOACTIVE CONTAMINANTS | | | | | |
| 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 | 0.037 pCi/l | NO | 0 | Erosion of natural deposits |
| INORGANIC CONTAMINANTS | | | | | |
| Barium | 2 ppm | 0.018 ppm | NO | 2ppm | Erosion of natural deposits |
| Copper (3) | TT; action level =1.3 | 0.035 ppm CBU (90th percentile) 0.021 ppm SMWA (90th percentile) | NO | 1.3 ppm | Corrosion of household plumbing systems; erosion of natural deposits |
| Chloramines (4) As Chlorine | 4.0 ppm (MRDL) | 3.1 ppm CBU 2 ppm SMWA | NO | 4 ppm MRDLG | Water additive to control microbes |
| Lead (3) | TT; action level = 15 ppb | 3.3ppb CBU (90th percentile) 1.1 ppb SMWA (90th percentile) | NO | 0 | Corrosion of household plumbing systems; erosion of natural deposits |
| ORGANIC CONTAMINANTS | | | | | |
| Total (TTHM) (5) Trihalomethanes | 80 ppb | 52.8 ppb average CBU 48.1 ppb average SMWA | NO | 0 | By-product of water disinfection |
| Haloacetic Acids (HAA5) (6) | 60 ppb | 45.4 ppb average CBU 43.7 ppb average SMWA | NO | 0 | By-product of water disinfection |
| 2,4-D (3) | 70ppb | 0.2 ppb | NO | 70ppb | Runoff from herbicide used on row crops |