

MONTROSE WATER QUALITY REPORT – 2021

Each year, we conduct numerous tests for over 80 drinking water contaminants. This brochure is a snapshot of the quality of the water that was provided last year. Included are details about where your water comes from, what it contains, and how it compares to Environmental Protection Agency and State standards. We are committed to providing you with information because informed customers are our best allies. For more information about your water, call 319-463-5533 and ask for Michael Hoenig.

Violations. There was one violation that has since been corrected: Failure to monitor for Iowa Administrative Code.

Source Drinking Water. The City gets its water from Rathbun Regional Water Association via Fort Madison Municipal Water Works and Keokuk Municipal Water Works (attached).

2021 WATER QUALITY REPORT FOR MONTROSE WATER WORKS

This report contains important information regarding the water quality in our water system. The source of our water is groundwater. All of the water is purchased. Purchased water comes from FT MADISON MUNI WATER WORKS and KEOKUK MUNICIPAL WATER WORKS. Our water quality testing shows the following results:

CONTAMINANT	MCL - (MCLG)	Compliance		Date	Violation	Source
		Type	Value & (Range)			
Total Trihalomethanes (ppb) [TTHM]	80 (N/A)	LRAA	41.00 (26 - 54)	09/30/2021	No	By-products of drinking water chlorination
Total Haloacetic Acids (ppb) [HAA5]	60 (N/A)	LRAA	21.00 (14 - 35)	06/30/2021	No	By-products of drinking water disinfection
Copper (ppm)	AL=1.3 (1.3)	90th	0.0192 (ND - 0.0330)	2019	No	Corrosion of household plumbing systems; Erosion of natural deposits; Leaching from wood preservatives
Lead (ppb)	AL=15 (0)	90th	2.20 (ND - 5)	2019	No	Corrosion of household plumbing systems; erosion of natural deposits
950 - DISTRIBUTION SYSTEM						
Chlorine (ppm)	MRDL=4.0 (MRDLG=4.0)	RAA	1.0 (0.15 - 1.78)	06/30/2021	No	Water additive used to control microbes
Total Coliform Bacteria	TT (TT)	RTCR	1 sample(s) positive	10/31/2021	No	Coliforms are bacteria that are naturally present in the environment and are used as an indicator that other waterborne pathogens may be present, or that a potential pathway exists through which contamination may enter the drinking water.
Nitrite [as N] (ppm)	1 (1)	SGL	0.340	2021	No	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits

Note: Contaminants with dates indicate results from the most recent testing done in accordance with regulations.

DEFINITIONS

- Maximum Contaminant Level (MCL) – The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.
- Maximum Contaminant Level Goal (MCLG) -- The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.
- ppb -- parts per billion.
- ppm -- parts per million.
- pCi/L – picocuries per liter
- N/A – Not applicable
- ND -- Not detected
- RAA – Running Annual Average
- Treatment Technique (TT) – A required process intended to reduce the level of a contaminant in drinking water.
- Action Level (AL) – The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.

PURCHASED WATER INFORMATION

Our water system purchases water from the system(s) shown below. Their water quality is as follows:

CONTAMINANT	MCL - (MCLG)	Compliance		Date	Violation	Source
		Type	Value & (Range)		Yes/No	
5625062 - FT MADISON MUNI WATER WORKS						
03 - SEP WELLS 6,7 8 9,10 (LAB TAP)						
Combined Radium (pCi/L)	5 (0)	SGL	2	07/06/2021	No	Erosion of natural deposits
Barium (ppm)	2 (2)	SGL	0.15	07/14/2020	No	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits
Sodium (ppm)	N/A (N/A)	SGL	6	07/14/2020	No	Erosion of natural deposits; Added to water during treatment process
5640019 - KEOKUK MUNICIPAL WATER WORKS						
01 - S/EP FROM MISSISSIPPI RI						
Fluoride (ppm)	4 (4)	SGL	0.58	04/06/2021	No	Water additive which promotes strong teeth; Erosion of natural deposits; Discharge from fertilizer and aluminum factories
Sodium (ppm)	N/A (N/A)	SGL	19	04/06/2021	No	Erosion of natural deposits; Added to water during treatment process
Nitrate [as N] (ppm)	10 (10)	SGL	3.5 (0.78 - 3.5)	2021	No	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits
Atrazine (ppb)	3 (3)	SGL	0.20	06/10/2019	No	Runoff from herbicide used on row crops
Turbidity (NTU)	N/A (N/A)	TT	Enter highest single measurement and the lowest monthly percentage of samples meeting turbidity limits here.			Soil runoff