

Annual Drinking Water Quality Report

City of Conrad

PWSID#00186

411 ½ South Main

Conrad, MT 59425

We're very pleased to provide you with the Annual Water Quality Report. We want to keep you informed about the excellent water and services we have delivered to you over the past year. Our goal is and always has been, to provide to you a safe and dependable supply of drinking water. Our source of water is classified as surface water from Lake Francis, you can access our source water assessment report at (<https://deq.mt.gov/water/programs/dw-sourcewater>)

We're pleased to report that our drinking water is safe and meets federal and state requirements.

If you have any questions about this report or concerning your water, please contact **Dave Zimbelman, Public Works Director, at 271-5821**. If you want to learn more about our water, you can attend any of our regularly scheduled meetings. They are held on **the first and third Tuesdays of each month at 6:00 pm in the City Council Chambers**.

The water is treated prior to entering the distribution system. Conrad routinely monitors for constituents in your drinking water according to Federal and State laws. The following table shows the results of any detects in our monitoring for the period of **January 1st to December 31st, 2022**. For constituents that are not monitored yearly, we have reviewed our records back to the last time the constituent was monitored.

We have monitored for lead and copper, and all of our samples have been in compliance with the Lead and Copper Rule.

Parameter	Sample Date	Violation	90 th % value	Action level	Source of Contamination
Copper	8/12/2021	N	.196 ppm	1.3 ppm	Corrosion of plumbing
Lead	8/12/2021	N	2 ppb	15 ppb	Corrosion of plumbing

If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. The City of Conrad is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using the water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing materials, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at (<http://www.epa.gov/safewater/lead>).

In the tables above and below you will find many terms and abbreviations you might not be familiar with. To help you better understand these terms we've provided the following definitions:

Parts per million (ppm) or Milligrams per liter (mg/l) - one part per million corresponds to one minute in two years or a single penny in \$10,000.

Parts per billion (ppb) or Micrograms per liter (ug/L)-one part per billion corresponds to one minute in 2000 years, or a single penny in \$10,000,000

Action Level - the concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.

Treatment Technique (TT) - (mandatory language) A treatment technique is a required process intended to reduce the level of a contaminant in drinking water.

Maximum Contaminant Level - (mandatory language) The "Maximum Allowed" (MCL) is 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 - (mandatory language) The "Goal"(MCLG) is 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.

TEST RESULTS							
Contaminant	Violation Y/N	Sample Date	Highest Level Detected	Unit Measurement	MCLG	MCL	Likely Source of Contamination
Organic Contaminants							
Total Trihalomethane	N	8/18/22	23	ug/L	0	80	By-product of drinking water chlorination
HALOACETIC ACIDS	N	8/18/22	23	ug/L	0	60	By-product of drinking water chlorination
Total Organic Carbon	N	8/11/22	2.5	mg/L		4mg/L	By-product of drinking water chlorination
Arsenic	N	4/18/22	ND	Mg/L		.01mg/L	Occurs naturally In water
Inorganic Contaminants							
Fluoride	N	4/18/22	0.4	mg/L			Erosion of natural deposits
Nitrate + Nitrite	N	4/18/22	0.04	mg/L	10	10	Runoff from fertilizer Septic tanks
Alkalinity	N	2/7/2022	191	mg/L			unregulated
Calcium	N	9/16/13	29	mg/L			unregulated
Magnesium	N	9/16/13	19	mg/L			unregulated
Hardness	N	9/16/13	152	mg/L			unregulated
PH	N	6/30/22	8.66	s.u.			unregulated
Conductivity	N	9/16/13	324	umhos			unregulated
Sodium	N	9/16/13	8	mg/L			unregulated
Iron	N	10/06/95	<0.01	mg/L			unregulated
Manganese	N	9/20/22	.008	mg/L			unregulated
Sulfate	N	8/01/94	37	mg/L			unregulated
ASBESTOS							
Asbestos	N	3/3/20	ND	MFL		.17MFL	
VOLATILE ORGANIC COMPOUNDS							
VOC's	N	4/18/2022	ND				Sampled Annually

Microbiological Contaminants

Parameter	Units	Violation YES/NO	Highest single measurement Value & date	Lowest monthly % of samples meeting the limits	MCL	Source of contamination
Turbidity	NTU	No	.15 5/19/2022	100% FOR ALL MONTHS	TT	Soil runoff

Our system had no violations. We're proud that your drinking water meets or exceeds all Federal and State requirements. We have learned through our monitoring and testing that some constituents have been detected. The EPA has determined that your water **IS SAFE** at these levels.

All sources of drinking water are subject to potential contamination by constituents that are naturally occurring or are manmade. Those constituents can be microbes, organic or inorganic chemicals, or radioactive materials.

All drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that the water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's Safe Drinking Water Hotline at 1-800-426-4791.

MCL's are set at very stringent levels. To understand the possible health effects described for many regulated constituents, a person would have to drink 2 liters of water every day at the MCL level for a lifetime to have a one-in-a-million chance of having the described health effect.

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. EPA/CDC guidelines on appropriate means to lessen the risk of infection by cryptosporidium and other microbiological contaminants are available from the Safe Drinking Water Hotline (800-426-4791).

We ask that all our customers help us protect our water sources, which are the heart of our community, our way of life and our children's future.

This annual Drinking Water Report will NOT BE MAILED out to individual water customers. A copy of this report can be picked up at the City Hall.

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