

The City of Canistota public water system purchases 100% of their water from TM Rural Water District (0999).

2023 Table of Detected Regulated Contaminants For Canistota (EPA ID 0080)

Terms and abbreviations used in this table:

* 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.

* 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.

* Action Level(AL): the concentration of a contaminant which, when exceeded, triggers treatment or other requirements which a water system must follow. For Lead and Copper, 90% of the samples must be below the AL.

* Treatment Technique(TT): A required process intended to reduce the level of a contaminant in drinking water. For turbidity, 95% of samples must be less than 0.3 NTU

* Running Annual Average(RAA): Compliance is calculated using the running annual average of samples from designated monitoring locations.

Units:

*MFL: million fibers per liter

*pCi/l: picocuries per liter(a measure of radioactivity)

*ppt: parts per trillion, or nanograms per liter

*mrem/year: millirems per year(a measure of radiation absorbed by the body)

*ppm: parts per million, or milligrams per liter(mg/l)

*ppq: parts per quadrillion, or picograms per liter

*NTU: Nephelometric Turbidity Units

*ppb: parts per billion, or micrograms per liter(ug/l)

*pspm: positive samples per month

Substance	90% Level	Test Sites > Action Level	Date Tested	Highest Level Allowed (AL)	Ideal Goal	Units	Major Source of Contaminant
Copper	0.0	0	09/27/23	AL=1.3	0	ppm	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives.
Lead	2	0	09/27/23	AL=15	0	ppb	Corrosion of household plumbing systems; erosion of natural deposits.

Substance	Highest Level Detected	Range	Date Tested	Highest Level Allowed (MCL)	Ideal Goal (MCLG)	Units	Major Source of Contaminant
Antimony *	0.26		10/12/22	6	6	ppb	Discharge from petroleum refineries; fire retardants; ceramics; electronics; solder.
Arsenic *	2		10/12/22	10	0	ppb	Erosion of natural deposits; runoff from orchards; runoff from glass and electronics production wastes.
Barium *	0.015		10/12/22	2	2	ppm	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits.
Chromium *	0.59		10/12/22	100	100	ppb	Discharge from steel and pulp mills; erosion of natural deposits.
Fluoride *	0.53		10/03/23	4	<4	ppm	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories.
Haloacetic Acids (RAA)	9.95		08/21/23	60	0	ppb	By-product of drinking water chlorination. Results are reported as a running annual average of test results.
Haloacetic Acids (RAA) *	12.7		09/20/23	60	0	ppb	By-product of drinking water chlorination. Results are reported as a running annual average of test results.
Selenium *	3.7		10/12/22	50	50	ppb	Discharge from petroleum and metal refineries; erosion of natural deposits; discharge from mines.
Total trihalomethanes (RAA)	18.1		08/21/23	80	0	ppb	By-product of drinking water chlorination. Results are reported as a running annual average of test results.
Total trihalomethanes (RAA) *	17.3		09/20/23	80	0	ppb	By-product of drinking water chlorination. Results are reported as a running annual average of test results.

Substance	Highest Level Detected	Range	Date Tested	Highest Level Allowed (MCL)	Ideal Goal (MCLG)	Units	Major Source of Contaminant
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Please direct questions regarding this information to Mr Darin Nugteren with the Canistota public water system at (605)296-3551.

* TM Rural Water District (0999) test result.

2023 Information on Violations For Canistota (EPA ID 0080)

(This Drinking Water Report can be used as a Tier III Public Notice if distributed to each customer within 12 months of when the system was notified of the violation.)

Violation Type	Parameter	Date System Notified	Duration In Months	Health Effects Language	Action Taken By Your System
FTM-Routine Samples	RTCR	01/09/24		Monitoring and reporting violations do not necessarily indicate a health risk. However, since levels of this parameter was not monitored the potential health risk posed by this contaminant may not be known.	Corrective action taken by your system: <input checked="" type="checkbox"/> We have since completed the required compliance measures. <input type="checkbox"/> We have taken additional measures within the water system administration to be sure that samples are taken properly in the future. <input type="checkbox"/> The proper number of samples was taken in the following month and we are now back in compliance with the sampling regulations. <input type="checkbox"/> Other(specify) _____

For additional information concerning any violation please contact Mr Darin Nugteren with the Canistota public water system at (605)296-3551.