



Consumer Confidence Report 2024

We're pleased to present to you this year's Annual Water Quality Report. This report is designed to inform you about our excellent water quality and services we have delivered to you over the past year. Our goal is and always has been to provide you with a safe and dependable supply of drinking water. Our water sources are contracted water from Weber Basin Water Conservancy District, and Roy City has 4 deep wells.

We're pleased to report that our drinking water meets federal and state requirements during 2024. This report discloses our water quality and what it means to you, our customer.

The Drinking Water Source Protection Plan for Roy City is available for your review. It contains information about source protection zones, potential contamination sources, and management strategies to protect our drinking water. Potential contamination sources common in our protection areas are gas stations, lawn care companies, and Hill Air Force Base's underground contamination. Additionally, our wells have a low susceptibility to potential contamination. We have also developed management strategies to further protect our resources from contamination.

Water quality inside your home is always a concern. You should occasionally check your water heater for proper temperature setting. Water that is too hot can cause a burn hazard; water that is lukewarm can create a perfect environment for bacteria growth. You should clean, maintain and replace filters and purifiers according to the manufacturer's recommendations to ensure they continue to operate as intended. The water hardness in Roy City can range from 10 to 18 grains per gallon, therefore it is important to monitor the setting on your water softener regularly to ensure you are treating your water properly and not wasting money by overtreating. Remember to maintain your pressure regulator on your main supply line to ensure it continues to work properly to get the water supply you need.

If you have any questions about this report or concerning your water utility, please contact the Roy City Public Works office at (801) 774-1090, address 5460 South 2700 West, Roy, Utah 84067. We want our valued customers to be informed about their water utility. If you would like to attend any of our regularly scheduled City Council meetings, they are held on the first and third Tuesday of each month, 6:00 p.m., at the Roy City Municipal Center, address 5051 South 1900 West, Roy, Utah 84067.

Roy City routinely monitors constituents in our drinking water in accordance with the Federal and Utah State laws. The following table shows the results of our monitoring for the period of January 1st to December 31st, 2024. A full Consumer Confidence Report can be found at royutah.org. And searching Consumer Confidence Report 2024.

DRINKING WATER TESTING DEFINITIONS

Non-Detects (ND) - laboratory analysis indicates that the constituent is not present.

ND/Low-High - for water systems that have multiple sources of water, the Utah Division of Drinking Water has given water systems the option of listing the test results of the constituents on one table, instead of multiple tables. To accomplish this, the lowest and highest values detected in the multiple sources are recorded in the same space in the report table.

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 2,000 years or a single penny in \$10,000,000.

Picocuries per liter (PCI/L) - a measure of the radioactivity in water.

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

Treatment Technique (TT) - a required process intended to reduce the level of a contaminant in drinking water.

Maximum Contaminant Level (MCL) - the “maximum allowed” 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 (MCLG) - the “goal” 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	Level Detected Low/ High	Unit Measurement	MCL	MCLG	Violation	Date Sampled	Likely Source of Contamination
MICROBIOLOGICAL CONTAMINANTS							
Total Coliform Bacteria	ND	UG/L	80	0	N	2023	Naturally present in the environment

MICROBIOLOGICAL PARAMETERS

Coliforms are bacteria that are naturally present in the environment and are used as an indicator that potentially harmful bacteria may be present. Utah DDW regulations require Roy City to test a minimum of 40 samples per month for total coliform and E. coli.

TEST RESULTS							
Contaminant	Level Detected Low/ High	Unit Measurement	MCL	MCLG	Violation	Date Sampled	Likely Source of Contamination
RADIOACTIVE CONTAMINANTS							
Gross Alpha Particles	ND - 2.6	PCI/L	15	0	N	2023	Erosion of natural deposits
Gross Alpha Particles	0.050 - 4.4	PCI/L	50	0	N	2023	Decay or natural & man-made deposits
RADON							
Gross Alpha Particles	0.060 – 1.7	PCI/L	5	0	N	2023	Erosion of natural deposits

Contaminant	Level Detected Low/ High	Unit Measurement	MCL	MCLG	Violation	Date Sampled	Likely Source of Contamination
METAL CONTAMINANTS							
Antimony	ND	MG/L	0.006	0	N	2022	Discharge from petroleum refineries; fire retardants; ceramics; electronics; solder
Arsenic	ND - .0015	MG/L	0.01	N/A	N	2022	Erosion of natural deposits; runoff from orchards; runoff from glass and electronics production wastes
Barium	0.213 – 0.420	MG/L	2	2	N	2022	Discharge of drilling wastes; discharge from metal
Chromium	ND-.005	MG/L	0.1	0.1	N	2022	Discharge from steel and pulp mills; natural erosion
Copper	ND – 0.415	MG/L	1.3	1.3	N	2022	Corrosion of household plumbing system; erosion of natural deposits; leaching from wood preservatives
Fluoride	ND – 0.2	PPM	4	4	N	2023	Erosion of natural deposits
Lead	ND – 0.015	MG/L	0.015	0	N	2022	Corrosion of household plumbing system; erosion of natural deposits
Mercury	ND	MG/L	0.002	0.002	N	2022	Erosion of natural deposits; discharge from refineries and factories; runoff from landfills, runoff from cropland
Nitrate	ND -0.9	PPM	10	10	N	2023	Runoff from fertilizer use; leaching from septic tanks
Selenium	ND - .70	PPB	50	50	N	2022	Erosion of natural deposits; discharge from mines
Sodium	14.0 – 47.8	PPM	None set by EPA	None set by EPA	N/A	2022	Erosion of natural deposits; discharge from refineries

Contaminant	Level Detected Low/ High	Unit Measurement	MCL	MCLG	Violation	Date Sampled	Likely Source of Contamination
INORGANIC CONTAMINANTS							
Cyanide	ND - 0.002	PPB	0.02	0	N	2022	Discharges of metal mining process
Sulfate	7.0 -43.7	PPM	1,000	N/A	N	2022	Erosion of natural deposits; discharge from refineries
Thallium	ND	MG/L	2	0.5	N	2022	Leaching from ore-processing sites; discharge from electronics, glass, and drug factories
TDS (Total Dissolved Solids)	260 – 304	MG/L	2,000	N/A	N	2022	Erosion of natural deposits
Turbidity	0.52 – 0.84	NTU	5.0		N	2022	Organic and inorganic materials

Contaminant	Level Detected Low/ High	Unit Measurement	MCL	MCLG	Violation	Date Sampled	Likely Source of Contamination
REGULATED HALOACETIC ACIDS (HAAs)							
Dibromoacetic Acid	ND	UG/L		0	N	2024	By-product of drinking water chlorination
Dichloroacetic Acid	1.5 - 3.0	UG/L		0	N	2024	By-product of drinking water chlorination
Monobromoacetic Acid	ND	UG/L		0	N	2024	By-product of drinking water chlorination
Monochloroacetic Acid	ND	UG/L		0	N	2024	By-product of drinking water chlorination
Trichloroacetic Acid	ND - 8.5	UG/L		0	N	2024	By-product of drinking water chlorination
Total Haloacetic Acids	ND - 1.5	UG/L	60.0	0	N	2024	By-product of drinking water chlorination

Contaminant	Level Detected	Low/ High units measurement	Date Sampled	Contaminant	Level Detected	Low/ High units measurement	Date Sampled
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UNREGULATED TRIHALOMETHANES (THMs)							
Bromodichloromethane	7.5	7.8 - 1.4 UG/L	2024	Dibromochloromethane	2.4	5.8 - 6.4 UG/L	2024
Bromoform	ND	1.1 - 2.3 UG/L	2024	Total Trihalomethanes	55.1	28.2 - 55.1 UG/L	2024
Chloroform	45.2	1.7 -45.2 UG/L	2024				

All sources of drinking water are subject to potential contamination by constituents that are naturally occurring or are man-made. 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.

MCLs 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 person, 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 at 1-800-426-4791.

We at the Roy City Water Department, (801) 774-1090, work around the clock to provide top quality water to every tap. 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.

In addition to the sampling outlined in the table above, we have also sampled for 21 Volatile Organic Chemicals, 28 Pesticides, 35 Unregulated Organic Chemicals, and 10 Unregulated Pesticides. These additional chemicals were not detected in our water. The following constituents are regulated more closely: Arsenic, Lead, Nitrate, Radon, and Cryptosporidium. Notice of any detection is required.