

Water Quality Data

Terms and abbreviations used below:

- **Maximum Contaminant Level Goal (MCLG):** the level of a contaminant in drinking water below which there is no known or expected health risk. 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 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.
- **n/a:** not applicable, **nd:** not detectable at testing limit, **PPM:** parts per million or milligrams per liter, **PPB:** parts per billion or micrograms per liter, **pC/l:** picocuries per liter (a measure of radiation)

Inorganic Contaminants	MCL	MCLG	Our Water	Range of Detection	Sample Date	Violation?	Typical Source of Contaminant
Barium	2.0 PPM	.02 PPM	NA PPM		9/24/2019	No	Discharge of drilling wastes, Erosion of natural deposits
Sulfate	None	None	12.3 PPM		9/24/2019	No	Leaching of natural mineral deposits
Sodium	None	None	6.86 PPM		9/24/2019	No	Leaching of natural mineral deposits
Nitrate	1 PPM	PPM	ND PPM		12/29/21	No	Agricultural runoff, fertilizers, Septic tank effluent
Organic Chemical Contaminants SOCs and VOCs	MCL	MCLG	Our Water	Range of Detection	Sample Date	Violation?	Typical Source of Contaminant
None Detected			ND		9/24/2019	No	
Radionuclides	MCL	MCLG	Our Water	Range of Detection	Sample Date	Violation?	Typical Source of Contaminant
Alpha Activity	15 pC/l	0	-1.47 pC/l		9/24/2019	No	Erosion of natural deposits
Beta Activity	50 pC/l	0	4.1 pC/l		9/24/2019	No	Decay of natural and man made deposits
Lead/Copper	Action Limit	MCLG	Our Water	Range of Detection	Sample Date	Violation?	Typical Source of Contaminant
Copper	1.3 PPM	.002 PPM	.01 PPM	.01 PPM	9/25/2019	No	Corrosion of pipes within the water system, erosion of natural mineral deposits
Lead	15 PPB	.002mg/l	ND PPB	PPB	9/25/2019	No	Corrosion of pipes within the water system, erosion of natural mineral deposits
Bacteria	MCL	MCLG	Our Water	Range of Detection	Sample Date	Violation?	Typical Source of Contaminant
Total Coliform	Present	None Present	None Present		Monthly 12	None	Naturally present in the environment

Notes:

Chlorination

We chlorinate our water. In the past we had some positive total coliform bacteria tests. The bacteria appears to be present in the reservoir or distribution system and is suppressed using chlorine. Our source water, the well, does not produce the bacteria. It is likely that it entered through a break in a water main at some point in the past

Sodium and Sulfate

Sulfate and Sodium are currently not regulated and we are providing this information to you since we did receive results and felt that some of the member might be interested.

Monitoring Waiver Information

Our well is within the Rathdrum Prairie Aquifer Wellhead Protection Area. This is a geographical and geological area where strict regulations to protect ground water (drinking water) are applied. The federal Environmental Protection Agency (EPA) has granted the State of Idaho authority to issue monitoring waivers for Volatile Organic Compounds (VOCs) and Synthetic Organic Compounds (SOCs). Chateaux Water currently has monitoring waivers for VOCs until the year 2025 and SOCs until 2025 and IOCs. Prior testing, done in 2012 indicated no detections of either VOCs, SOCs or IOCs

Appendix A CCR Chlorine 12 test each month all within range