

GARDNERVILLE WATER COMPANY

Water Quality Report – Covering Calendar Year 2020

The tables following below list all of the drinking water contaminants, which were detected during the 2020 calendar year. The presence of these contaminants does not necessarily indicate the water poses a health risk. Unless noted, the data presented in this table is from the testing done January 1 - December 31, 2020. The state requires us to monitor for certain contaminants less than once per year because the concentrations of these contaminants are not expected to vary significantly from year to year. Some of the data, though representative of the water quality, is more than one year old. **The bottom line is that the water that is provided to you is safe.**

Lead and Copper	Date	90 th Percentile		Unit	AL	Sites Over AL	Typical Source
COPPER	2017 - 2019	0.3	0 - 0.51	ppm	1.3	0	Corrosion of household plumbing systems; Erosion of natural deposits; Leaching from wood preservatives.
LEAD	2017 - 2019	1	0 - 2.6	ppb	15	0	Corrosion of household plumbing systems; Erosion of natural deposits.

Regulated Contaminants	Collection Date	Highest Value	Range	Unit	MCL	MCLG	Typical Source
BARIUM	4/9/2019	0.21	0.081 - 0.21	ppm	2	2	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits.
NITRATE	4/7/2020	2.7	1.6 - 2.7	ppm	10	10	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits.

Radionuclides	Collection Date	Highest Value	Range	Unit	MCL	MCLG	Typical Source
COMBINED RADIUM (-226 & -228)	4/5/2016	1	0 - 1	pCi/L	5	0	Erosion of natural deposits
COMBINED URANIUM	4/9/2019	11	1 - 11	µg/L	30	0	Erosion of natural deposits
GROSS ALPHA, INCL. RADON & U	4/5/2016	11.8	0.7 - 11.8	pCi/L	15	0	Decay of natural and man-made deposits

Secondary Contaminants	Collection Date	Highest Value	Range	Unit	SMCL	MCLG
CHLORIDE	4/9/2019	10	5.4 - 10	mg/L	400	
IRON	5/29/2019	0.24	0 - 0.24	mg/L	0.6	
MAGNESIUM	4/9/2019	20	7 - 20	mg/L	150	
PH	4/9/2019	7.48	7.08 - 7.48	PH	8.5	
SODIUM	5/29/2019	21	15 - 21	mg/L	200	20
SULFATE	4/9/2019	31	19 - 31	mg/L	500	
TDS	4/9/2019	360	170 - 360	mg/L	1000	
TEMPERATURE (CENTIGRADE)	4/9/2019	21	20 - 21	C		

Terms & Abbreviations

<u>Maximum Contaminant Level Goal (MCLG):</u>	the “Goal” is the level of a contaminant in drinking water below which there is no known or expected risk to human health. MCLG’s allow for a margin of safety.
<u>Maximum Contaminant Level (MCL):</u>	the “Maximum Allowed” MCL is the highest level of a contaminant that is allowed in drinking water. MCL’s are set as close to the MCLG’s as feasible using the best available treatment technology.
<u>Action Level (AL):</u>	the concentration of a contaminant that, if exceeded, triggers treatment or other requirements that a water system must follow.
<u>Treatment Technique (TT):</u>	a treatment technique is a required process intended to reduce the level of a contaminant in drinking water.
<u>Maximum Residual Disinfectant Level (MRDL):</u>	the highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.
<u>Maximum Residual Disinfectant Level Goal (MRDLG):</u>	the level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLG’s do not reflect the benefits of the use of disinfectants to control microbial contaminants.
<u>Non-Detects (ND):</u>	laboratory analysis indicates that the constituent is not present.
<u>Parts per Million (ppm)</u>	or milligrams per liter (mg/l)
<u>Parts per Billion (ppb)</u>	or micrograms per liter (µg/l)
<u>Picocuries per Liter (pCi/L):</u>	picocuries per liter is a measure of the radioactivity in water.
<u>Millirems per Year (mrem/yr):</u>	measure of radiation absorbed by the body.
<u>Million Fibers per Liter (MFL):</u>	million fibers per liter is a measure of the presence of asbestos fibers that are longer than 10 micrometers.
<u>Nephelometric Turbidity Unit (NTU):</u>	nephelometric turbidity unit is a measure of the clarity of water. Turbidity in excess of 5 NTU is just noticeable to the average person