

Mountain Springs Mutual Water Company

Water Quality Report – 2019

California Water System (Santa Clara County) I.D. No. 4300740

*****Este informe contiene informacion muy importante sobre su agua beber. Traduzcalo o hable con alguien que lo entienda bien.*****

The Mountain Springs Mutual Water Company has its' own water system. The water system is classified as a "community water system". As such, we are required to provide this *Water Quality / Consumer Confidence Report* to you, the water user. In 2019, water from the system was tested and compared to the EPA and State drinking water health standards. **Source water supplied to the system met all EPA and State drinking water standards.** This brochure reviews 2019's water quality. Included are details about where your water comes from, what it contains, and how it compares to State standards.

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 water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the USEPA's Safe Drinking Water Hotline (800-426-4791).

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, person 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. USEPA / Centers for Disease Control (CDC) guidelines on appropriate means to lessen the risk of infection by *Cryptosporidium* and other microbial contaminants are available from the Safe Drinking Water Hotline (800-426-4791).

Your water comes from the San Jose Water Company's Montevina pipeline connected near Greenwood Dr. and Old Santa Cruz Hwy. Treated surface water from Montevina Reservoir is supplied to one 5,000-gallon polyethylene (plastic) receiving tank just downstream of the connection, then pumped up 165-feet in elevation to four 5,000-gallon plastic storage tanks at the southwest end of Greenwood Drive to supply potable water to the community. The supply and main distribution lines are common and gravity or the transfer pump provides pressure throughout the water

system. Your on-site water production well is located adjacent to the storage tanks and is a secondary (backup) source. The well is sunk approximately 230-feet into an underground source of water. This well is disconnected and was not used in 2019. Please see the table below regarding drinking water.

Sources of drinking water (both tap water and bottled water) include river, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of the land or through the ground, it dissolves naturally occurring minerals and, in some cases, radioactive material, and can pick up substances resulting from the presence of animals or from human activity.

Contaminants that may be present in source water before it is treated include:

- *Microbial contaminants, such as viruses and bacteria that may come from sewage treatment plants, septic system, agricultural livestock operations, and wildlife.

- *Inorganic contaminants, such as salts and metals, that can be naturally occurring or result from urban storm water runoff, industrial or domestic wastewater discharges, oil and gas production, mining, or farming.

- *Pesticides and herbicides that may come from a variety of sources such as agriculture, urban storm water runoff, and residential uses.

- *Radioactive contaminants, that can be naturally occurring or be the result of oil and gas production and mining activities.

- *Organic chemical contaminants, including synthetic and volatile organic chemicals that are by-products of industrial processes and petroleum production, and can also come from gas stations, urban storm water runoff, agriculture application, and septic systems.

In order to ensure that tap water is safe to drink, the USEPA and the State Water Resources Control Board – Division of Drinking Water (DDW) prescribe regulations that limit the number of certain contaminants in water provided by public water systems. DDW regulations also establish limits for contaminants in bottled water that provide the same protection for public health.

WATER QUALITY DATA

Water delivered to Mountain Springs Mutual Water Company (MSMWC) by San Jose Water Company met all water quality objectives. The Annual Consumer Confidence Report/Water Quality Report for 2019 for the San Jose Water Company supplied water can be found on the SJWC website under the “More Resources” section of the following link (https://www.sjwater.com/for_your_information/education_safety/water_quality).

About your water source: Your primary source of water is the Montevina pipeline operated by the San Jose Water Company (SJWC). Water from Montevina pipeline is treated with chloramines (a combination of chlorine and ammonia). MSMWC has chosen to remove the Chloramines and replace them with chlorine using a Chloramines Removal / Chlorine Addition (CR/CA) system. This option was selected due to potential negative effects that can occur within the distribution system when using chloramines, and increased monitoring (and the associated costs) that are required with chloramine disinfection. The MSMWC CR/CA system began operation in February 2018, when the SJWC switched to chloramine treatment and is continuously monitored to ensure effective operation. For more information on Chloramines contact Francois Rodigari of SJWC at 408.279.7900. Additionally, information can be found on the SJWC website (<https://www.sjwater.com>).

Water in the MSMWC distribution system is monitored for Disinfection by-Products annually. Disinfection by Products are potentially harmful compounds that can be formed when a disinfectant like chlorine is added to the water. **Levels of Disinfection by Products were below regulatory guidelines in 2019.**

Water in the MSMWC distribution system is monitored for bacteria monthly as an indicator of system integrity (contaminants cannot get in). **There were no bacteria detections in 2019.**

The attached table summarizes the Back-up Well Laboratory Analytical Results. Terms and abbreviations used in the table include:

- **parts per million (ppm):** a unit of measurement describing the concentration of a contaminant in water. It is equivalent to milligrams per liter (mg/L)
 - The time equivalent of 1 ppm is 1 second in 11.5 days
- **Maximum Contaminant Level (MCL):** The highest level of a contaminant that is allowed in drinking water. Primary MCLs are set as close to the PHGs (MCLGs) as is economically and technologically feasible. Secondary MCLs are set to protect the odor, taste, and appearance of drinking water.
- **Regulatory Action Level (AL):** The concentration of a contaminant which, when exceeded, triggers treatment or other requirements that a water system must follow.

Please direct questions about the potable water system to either:

Loren Roy (MSMWC President) at 408.887.6600, OR

Craig Drizin (Certified Water Operator - Weber, Hayes and Associates) at 831.722.3580

2019 Summary of Source Well Analytical Results
Mountain Springs Mutual Water Company I.D. #4300740
17621 Mountain Charlie Road, Los Gatos, California

Analyte	Date Sampled	RESULT in ppm	LIMIT DW - MCL in ppm*
PRIMARY INORGANICS			
Aluminum (Al)	10/10/18	0.1	1.0 (0.2 ²)
Antimony (Sb)	10/10/18	< 0.006	0.006
Arsenic (As)	10/10/18	< 0.002	0.01
Barium (Ba)	10/10/18	< 0.1	1.0
Beryllium (Be)	10/10/18	< 0.001	0.004
Boron (B)	10/10/18	< 0.1	*NL: 1.0
Cadmium (Cd)	10/10/18	< 0.001	0.005
Chromium (Cr)	10/10/18	< 0.001	0.05
Hexavalent Chromium (Cr ⁺⁶)	1/3/18	< 0.0001	0.01
Copper (Cu)	10/10/18	0.066	*AL: 1.3 (1.0 ²)
Cyanide (CN)	10/10/18	< 0.10	0.15
Fluoride (F)	10/10/18	0.29	2.0
Lead (Pb)	10/10/18	< 0.005	*AL: 0.015
Mercury (Hg)	10/10/18	< 0.001	0.002
Nickel (Ni)	10/10/18	< 0.10	0.1
Nitrite (as N)	10/10/18	< 0.10	1.0
Nitrate+Nitrite (as N)	10/10/18	0.41	10.0
Nitrate (as N)	11/5/19	0.67	10
Perchlorate	6/11/15	< 0.004	0.006
Selenium (Se)	10/10/18	< 0.005	0.05
Silver (Ag)	10/10/18	< 0.010	0.1 ²
Thallium (Tl)	10/22/15	< 0.001	0.002
SECONDARY / GENERAL MINERAL & PHYSICAL			
Bicarbonate Alk. (as HCO ₃)	10/10/18	210	--
Hydroxide as OH	10/10/18	ND	0.002
Carbonate Alk. (as CO ₃)	10/10/18	< 2.0	120
Calcium (Ca)	10/10/18	67	
Chloride (Cl)	10/10/18	11	500 ²
Magnesium (Mg)	10/10/18	14	
Manganese (Mn)	10/10/18	< 0.020	0.05 ²
Potassium (K)	10/10/18	1.6	
Sodium (Na)	10/10/18	18	
Sulfate (SO ₄)	10/10/18	67	500 ²
Total Iron (Fe)	10/10/18	120	0.3 ²
Total Hardness (as CaCO ₃)	10/10/18	220	--
Total Alkalinity (as CaCO ₃)	10/10/18	170	--
Total Dissolved Solids	10/10/18	310	1,000 ²
Zinc (Zn)	10/10/18	< 0.050	5.0 ²

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Analyte	Date Sampled	RESULT in ppm	LIMIT DW - MCL in ppm*
OTHER			
pH value	10/10/18	6.5	6.5 - 8.5
Specific Conductivity EC (micromhos/cm)	10/10/18	490	1,600 ²
Color (Co/Pt) (Units)	10/10/18	< 3.0	15
Odor T.O.N (Threshold Number)	10/10/18	< 1.0	3 ²
Turbidity (NTU)	10/10/18	1.0	5 ²
Synthetic Organic Compounds	8/15/19	ND	various
Volatile Organic Compounds **	8/15/19	ND	various
1,2,3 TCP	11/12/18	ND	0.000005
Gross Alpha	6/29/15	0.561	15 pCi/L
NOTES:			
Data prior to October 1, 2016 was collected by others. We make no warranty regarding the quality or accuracy of data collected by others, it is presented solely for informational purposes.			
For analytes not listed, monitoring has either been waived (by State Water Board Division of Drinking Water), or analyte was not detected above the Detection Limits for Reporting purpose (DLR) set by the State. See the following website for more information http://www.waterboards.ca.gov/drinking_water/certlic/drinkingwater/MCLsandPHGs.shtml .			
² = Secondary MCLs are set to protect the odor, taste, and appearance of drinking water and DO NOT affect health at that established level.			
Maximum Contaminant Level (MCL) = United States Environmental Protection Agency, National Primary Drinking Water Regulations, revised July 1, 2014			
* EPA Action Levels (AL) are shown for analytes which do not have an MCL			
** All compounds have not been detected (Non-Detect = ND). MCLs & PHGs are different for each compound. MCL for 1,2,3-TCP was adopted by the State Water Board DDW Jan 2018 requiring initial sampling.			
DW-MCL = MCLs for Title 22 Drinking Water			
ND = Not Detected at or above the laboratory's Reporting Limit			
Nephetometric Turbidity Units NTU			
-- = Not Analyzed or Not Applicable			
1,2,3- TCP = Trichloropropane			
parts per million (ppm) = milligrams per liter (mg/L)			
pCi/L = picocuries per liter			