

Test Overview

The system received monitoring violations for failure to complete quarterly sampling of Radiological contaminants for Wells #15, 17, 18, and 19. Also missing was a quarterly sample for Synthetic Organic Compounds and Volatile Organic Compounds for Well #19. All wells have since been tested and the results are within the allowed contaminant levels.

We're proud that your drinking water meets or exceeds all Federal and State requirements. We have learned through our monitoring and testing that some constituents have been detected. The EPA has determined that your water IS SAFE at these levels.

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.

MCL's are set at very stringent levels. To understand the possible health effects described for many regulated constituents, a person would have to drink 8 gallons 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 persons 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 (800-426-4791).

We at Caldwell Water 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.

Test Results

Microbiological Contaminants

Contaminant	Violation Y/N	Level Detected	MCL	Likely Source of Contaminant
Total Coliform Bacteria	N	0	presence of coliform bacteria in monthly samples	Naturally present in the environment.
Fecal coliform and E coli		0	a routine sample and repeat sample are total coliform positive, and one is also fecal coliform or E. coli positive	Human and animal fecal waste

Radioactive Contaminants

Contaminant	Level Detected	Unit Measure	MCGL	MCL	Likely Source of Contaminant
Alpha emitters	12.03	pCi/L	0	15	Erosion of natural deposits
Uranium	18	pCi/L		30	Erosion of natural deposits

Inorganic Contaminants

Arsenic	7	ppb	n/a	50	Erosion of natural deposits; runoff from orchards; runoff from glass and electronics production wastes.
Barium	ND	ppb	2000	2000	Discharge of drilling waste. Discharge from metal refineries. Erosion of natural deposits.
Chromium	3	ppb	100	100	Discharge from steel and pulp mills. Erosion of natural deposits.
Copper	110	ppb	AL=1300	AL=1300	Corrosion of household plumbing systems; erosion of natural deposits.
Fluoride	410	ppb	4000	4000	Erosion of natural deposits; water additive which promotes strong teeth
Lead	ND	ppb	0	AL=15	Corrosion of household plumbing systems. erosion of natural deposits
Nitrate (as Nitrogen)	23	ppm	10	10	Runoff from fertilizer use; leaching from septic tanks. sewage; erosion of natural deposits

Antimony, Beryllium, Cadmium, Mercury, Nickel, Selenium, and Thallium were tested for with no detects found.

Volatile Organic Contaminants

Trihalomethanes - Total	4.2	ppb	0	80	By-product of drinking water chlorination
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Twenty-one other Volatile Organic Compounds were tested for with no detects found. These organic compounds are used mainly as industrial solvents.

Synthetic Organic Contaminants including Pesticides and Herbicides

Twenty-nine regulated and unregulated Synthetic Organic Compounds were tested for with no detects found. These Chemical Compounds are used for agricultural purposes.