

# 2023 Water Quality Report

## Lochaven Water

We're pleased to present to you this year's Annual Quality Water Report. This report is designed to inform you about the quality water and services we deliver to you every day. Our constant goal is to provide you with a safe and dependable supply of drinking water. We want you to understand the efforts we make to continually improve the water treatment process and protect our water resources. We are committed to ensuring the quality of your water.

Our water source, ID# 47640C (SO1), is a well located between 61<sup>st</sup> Place NE and 62<sup>nd</sup> Place NE within Lochaven Estates. The water is treated with a soda ash solution to raise the Ph level of the water. I'm pleased to report that our drinking water is safe and meets federal and state requirements. For more information about your water and water system, call Chris Gott at (425) 508-3295. We want our valued customers to be informed about their water utility.

Protection of drinking water is everyone's responsibility. You can help protect your community's drinking water source in several ways: Eliminate excess use of lawn and garden fertilizers and pesticides - they contain hazardous chemicals that can reach your drinking water source. Pick up after your pets. If you have your own septic system, properly maintain your system to reduce leaching to water sources. Dispose of chemicals properly; take used motor oil to a recycling center.

Lochaven Water routinely monitors for constituents in your drinking water according to Federal and State laws. This table shows the results of our monitoring for the period of January 1<sup>st</sup> to December 31<sup>st</sup>, 2023. All drinking water, including bottled drinking water, may be reasonably expected to contain at least small amounts of some constituents. It's important to remember that the presence of these constituents does not necessarily pose 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.

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### Water Quality Data Table

In order to ensure that tap water is safe to drink, EPA prescribes regulations which limit the amount of contaminants in water provided by public water systems. The table below lists all of the drinking water contaminants that we detected during the calendar year of this report. Although many more contaminants were tested, only those substances listed below were found in your water. All sources of drinking water contain some naturally occurring contaminants. At low levels, these substances are generally not harmful in our drinking water. Removing all contaminants would be extremely expensive, and in most cases, would not provide increased protection of public health. A few naturally occurring minerals may actually improve the taste of drinking water and have nutritional value at low levels. Unless otherwise noted, the data presented in this table is from testing done in the calendar year of the report. The EPA or the State requires us to monitor for certain contaminants less than once per year because the concentrations of these contaminants do not vary significantly from year to year, or the system is not considered vulnerable to this type of contamination. As such, some of our data, though representative, may be more than one year old. In this table you will find terms and abbreviations that might not be familiar to you. To help you better understand these terms, we have provided the definitions below the table.

<b>Inorganic Contaminants</b>	<b>MCL</b>	<b>MGL</b>	<b>Lochaven Water</b>	<b>Range of Detections</b>	<b>Sample Date</b>	<b>Violation</b>	<b>Typical Sources of Contaminant</b>
Arsenic (ppb)	.010	0	ND	ND	2022	NO	Erosion of natural deposits; runoff from orchards
Nitrate (ppm)	10	10	1.62	1.62	2023	NO	Runoff from fertilizer use
<b>Lead &amp; Copper</b>	<b>MCL</b>	<b>MCLG</b>	<b>Lochaven Water</b>	<b>Samples / fail</b>	<b>Sample Date</b>	<b>Violation</b>	<b>Typical Sources of Contaminant</b>
Led (mg/L)	.015	0	ND	5/0	2022	NO	Corrosion of household plumbing system
Copper (mg/L)	1.3	1.3	ND	5/0	2022	NO	Corrosion of household plumbing system
<b>Synthetic Organic Contaminants</b>	<b>MCL</b>	<b>MCLG</b>	<b>Lochaven Water</b>	<b>Range of Detections</b>	<b>Sample Date</b>	<b>Violation</b>	<b>Typical Source of Contamination</b>
Herbicides	N/A	N/A	ND	ND	2018	NO	Runoff from herbicide uses on row crops
<b>Radioactive Contaminants</b>	<b>MCL</b>	<b>MCLG</b>	<b>Lochaven Water</b>	<b>Range of Detections</b>	<b>Sample Date</b>	<b>Violation</b>	<b>Typical Sources of Contaminant</b>
Gross Alpha (pCi/l)	15	0	ND	ND	2022	NO	Erosion of natural deposits
Gross Beta (pCi/l)	50	0	ND	ND	2022	Yes	Decay of natural and man-made deposits
Radium 228	5	0	ND	ND	2022	NO	Erosion of natural deposits
<b>Microbiological Contaminants</b>	<b>MCL</b>	<b>MCLG</b>	<b>Lochaven Water</b>	<b>Range of Detections</b>	<b>Sample Date</b>	<b>Violation</b>	<b>Typical Sources of Contaminant</b>
Total Coliform Bacteria	0	0	Absent	Absent	2023	Yes	Naturally present in the environment

#### Terminology

**MCLG** (Maximum Contaminant Level Goal): the level of a contaminant allowed in drinking water below which there is no known or expected risk to health. MCLG's allow for a margin of safety.

**MCL** (Maximum Contaminant Level): 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.

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

**ND** (Not Detected)

**Ppm** (parts per million or milligrams per liter (mg/L)): about the same as ½ an aspirin tablet dissolved in a bathtub full (50 gallons of water)

**Ppb** (parts per billion or micrograms per liter): about the same as 1 dissolved aspirin tablet in a 100,000-gallon swimming pool.

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 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 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).

#### Additional Information for Nitrate

Nitrate in drinking water at levels above 10 ppm is a health risk for infants of less than six months of age. High nitrate levels in drinking water can cause blue baby syndrome. Nitrate levels may rise quickly for short periods of time because of rainfall or agricultural activity. If you are caring for an infant, you should ask for advice from your health care provider.

## **Lochaven Water goals and progress**

**In 2022, Lochaven Water consumer meters recorded an average use of 160 GPD/connection. In 2023 water consumer meters recorded an average use of 174 GPD/connection, increasing the daily average water use per connection by 14 GPD.**

### ***THANK YOU FOR YOUR EFFORTS TO CONSERVE WATER!***

**Please let us know if you notice any possible leaks around your house or on your street.**

**Our goal is to continue saving and using water responsibly. A couple ways we can all help in achieving this goal is by installing low flow fixtures and being mindful of how much water we use.**

We all need water to live. We use it in so many different and useful ways. Let's all do our part to conserve it. We, at Lochaven 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.

### **Cross Connection Control Survey**

The purpose of this survey is to determine whether a cross-connection may exist at your home or business. A cross connection is an unprotected or improper connection to a public water distribution system that may cause contamination or pollution to enter the system. We are responsible for enforcing cross-connection control regulations and ensuring that no contaminants can, under any flow conditions, enter the distribution system. If you have any of the devices listed below, please contact us so that we can discuss the issue, and if needed, survey your connection and assist you in isolating it if that is necessary.

- Boiler/ Radiant heater (water heaters not included)
- Underground lawn sprinkler system
- Pool or hot tub (whirlpool tubs not included)
- Additional source(s) of water on the property
- Decorative pond
- Watering trough

Contact Name: Chris Gott  
PO Box 659  
Arlington, WA 98223  
Phone: (425) 508-3295  
E-Mail: [lochavenwater@gmail.com](mailto:lochavenwater@gmail.com)