

WATER ANALYSIS

We are currently certified to perform coliform (bacteria) and nitrate testing on drinking water. These include a presence/absence test for coliforms and E.coli, and quantitative levels for nitrate-nitrogen.

Colilert - Total Coliform: E.coli Presence/Absence

The Colilert test determines if there are any coliform bacteria or E.coli present in drinking water samples. This is the EPA and Washington State Department of Health safe drinking water tolerance level. Water containing 1 or more coliform colony forming units per 100 mL results in a positive colilert is considered unsafe for human consumption.

Colilert results are available 24 hours after the test is started.

Nitrate - Nitrate Electrode Method

The nitrate electrode responds to nitrate ion activity in water between 0.14 and 1400mg nitrate nitrogen per liter.

The Maximum Contaminant Level allowed by the Washington State Department of Health is 10mg/L and water containing greater than this is considered unsafe for human consumption. High risk individuals such as infants and adults with depressed immune systems are recommended to drink only water below 5.0 mg/L nitrate nitrogen.

Nitrate analysis are typically completed within 24 hours, depending on sample volume.