

Listed below are EPA Maximum Contaminant Levels (MCL) for commonly tested Contaminant MCLs is deemed a significant health risk. Secondary Contaminant MCLs are for aesthetic concerns.

Primary Contaminant	MCL
Total Coliform	"Absent" 100mL or "< 1.0" MPN/100mL
e.coli	"Absent" 100mL or "< 1.0" MPN/100mL
Fluoride	less than 4.0 mg/L
Nitrate	less than 10 mg/L
Nitrite	less than 1.0 mg/L
Arsenic	less than 0.010 mg/L
Copper	less than 1.30 mg/L
Lead	less than 0.015 mg/L
Gross Alpha	less than 15 pCi/L *
Radium 226 & 228	less than 5.0 pCi/L
Uranium	less than 30 ug/L (20 ug/L VT DEC Water Supply Standard)
Radon in Water	less than 4000 pCi/L (proposed EPA MCL)

Secondary Contaminant	MCL
pH	between 6.5-8.5
Hardness	between 75.0 - 150.0 mg/L**
Iron	less than 0.30 mg/L
Manganese	less than 0.05 mg/L
Sodium	less than 250 mg/L
Chloride	less than 250 mg/L
Sulfate	less than 250 mg/L

Alkalinity is the ability of a water to resist change in acidity. This is typically measured by the amount of bicarbonate) dissolved in water. Typical drinking water contains 50-250 mg/L of bicarbonate. High alkalinity issues associated with alkalinity.

Conductivity is a measurement of electrical conductance in water. Very pure water does not conduct electricity. Dissolve materials increase so does the conductivity. It may be used as an indicator of water quality. There are no health related affects associated with conductance but is significant in water treatment. Low conductivity in water may imply an aggressive water that can corrode pipes and fixtures.

Samples received in this project required pH. The EPA hold time for this analysis is 2 hours. pH was performed at the time of collection. Analysis was performed as soon as possible after collection.

* Gross Alpha at a concentration greater than 5 pci/L could indicate the presence of radon. Radium 226 and Radium 228 MCL.

** For Hardness, to convert mg/L to grains/gallon, divide by 17.1

SLA: Analysis performed by subcontracted laboratory, A & L Laboratory. Results were received on 10/10/2018. The complete subcontracted report has been appended to this report for your convenience.

SB1: Analysis was performed by subcontracted laboratory, KNL Laboratory Services. Results were received on 10/10/2018. The complete subcontracted report has been appended to this report for your convenience.



160 James Brown Dr., Williston, VT 05495
Ph 802-879-4333 Fax 802-879-7103

ELAP 11263

www.endynet.com