

Listed below are EPA Maximum Contaminant Levels (MCL) for commonly tested parameters. Exceedence of Primary Contaminant MCLs is deemed a significant health risk. Secondary Contaminant MCLs are standards that may have cosmetic or 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 due to Carbonates (calcium or bicarbonate) dissolved in water. Typical drinking water contains 50-250 mg/L of alkalinity. There are no health issues associated with alkalinity.

Conductivity is a measurement of electrical conductance in water. Very pure water has a low conductance but as dissolve materials increase so does the conductivity. It may be used as an indicator of the dissolved solids in the water. There are no health related affects associated with conductance but is simply an indicator of the dissolved ions in solution. Low conductivity in water may imply an aggressive water that might cause corrosion of plumbing fixtures.

Samples received in this project required pH. The EPA hold time for this analysis is 15 minutes and should be performed at the time of collection. Analysis was performed as soon as possible upon arrival at the laboratory.

* Gross Alpha at a concentration greater than 5 pCi/L could indicate the presence of Radium at a level above the 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 are presented here for your convenience. The complete subcontracted report has been appended to this report.

SB1: Analysis was performed by subcontracted laboratory, KNL Laboratory Services, Inc., Tampa, FL. The complete subcontracted report has been appended to this report.



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