



## \$300 Homeowner Expanded Analyses Package

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**Bottles Required:** A 1L or larger plastic bottle (unpreserved) and one 125mL sterile bacti / both must be labeled

**Collection Procedures:** Sample from a sink in the house or a spigot close to the well head, never from a hose. If the tap has an aerator, it should be removed. Sterilize the sampling point with flame or bleach, and then flush for 2 minutes. Fill up the provided bottles, being certain to fill the clear plastic bacteria bottle (with the banded cap) to slightly over the 100mL fill line. Keep the samples on ice during transport to the laboratory. Return samples on the same day as they are collected, prior to 5:00pm, and samples are accepted Monday – Thursday only, not on Fridays.

<b>Arsenic (As) by EPA 200.7</b>	California DDW regulates a maximum of .01 mg/L for public water systems
<b>Boron (B) by EPA 200.7</b>	DDW has a drinking water “Notification Level” of 1.0 mg/L for public water. For agricultural purposes, below 0.5 mg/L is satisfactory for all crops. Many sensitive crops are affected by 0.5 mg/L – 2.0 mg/L, and only tolerant crops produce yields in the 2.0 mg/L – 10.0 mg/L range.
<b>Ca &amp; Mg (Hardness) by SM2340B</b>	Soft = 0 to 50mg/L                      Medium = 50 to 100mg/L Hard = 100 to 200mg/L                  Very Hard = > 200mg/L
<b>Conductivity by SM2510B</b>	DDW regulates a (secondary) maximum of 1600 umhos
<b>Iron (Fe) by EPA 200.7</b>	DDW regulates a maximum of .30 mg/L for public water
<b>Potassium (K) by EPA 200.7</b>	The level of potassium found in drinking water is low enough not to be a concern for healthy individuals, says the WHO.
<b>Manganese (Mn) by EPA 200.7</b>	DDW regulates a maximum of .05 mg/L for public water
<b>Sodium (Na) by EPA 200.7</b>	No official guidelines. The American Heart Association suggests a maximum of 20.0 mg/L for sodium restricted diets.
<b>Nitrate (as N) by EPA 300.0</b>	DDW regulates a maximum of 10.0 mg/L for public water
<b>Nitrite (as N) by EPA 300.0</b>	DDW regulates a maximum of 1.0 mg/L for public water
<b>pH by SM4500</b>	Acidic = under 6.5 / 6.5 – 8.0 = acceptable / Alkaline = over 8.0
<b>Total Dissolved Solids by SM2540C</b>	DDW regulates a (secondary) maximum of 1,000 mg/L for public water
<b>Sulfate by EPA 300.0</b>	DDW regulates a (secondary) maximum of 500 mg/L for public water
<b>Total Coliform and E-Coli by SM9223 Colisure</b>	Absent/Absent = No coliforms detected. Ideal for treated water. Present/Absent = Total coliform bacteria was detected, and the water is potentially unsafe, and suitable to disinfect. Present/Present = E-Coli bacteria present, and the water is unsafe.