



**COLORADO**  
**New Community Well Water Package**

It is recommended\* that the following suite of raw water testing be conducted on any new groundwater well or surface water source intended for use as a Community Public Water System.

**Recommended Testing Suite:**

- Bacteriological
- Primary Inorganics – Includes Total Metals, Nitrate, Nitrite, Cyanide, Fluoride
- Organic Chemicals - Regulated and Unregulated
- Radionuclides
- Microscopic Particulate Analysis
- General Water Quality Indicators

Suite Breakdown				Method
<b>Bacteriological:</b>				
Total Coliform Bacteria Presence/Absence (Presence of TC run <i>E-coli</i> )				SM9223
<b>Primary Inorganics:</b>				
Antimony	Beryllium	Copper	Selenium	ICP-MS EPA 200.8
Arsenic	Cadmium	Lead	Thallium	
Barium	Chromium	Nickel		
Sodium				ICP EPA 200.7
Mercury				CVAA 245.1
Nitrite, Nitrate, Fluoride and Sulfate				SM4500 or 300.0
Cyanide				SM4500 or 300.0
<b>Organic Chemicals - Regulated and Unregulated:</b>				
Volatile Organic Compounds (VOC)				EPA 524.2
<u>Full Synthetic Organic Compounds (SOC) Suite:</u>				
Chlorinated Herbicides				EPA 515.1
Pesticides				EPA 508
Pesticides				EPA 507
Semi-Volatiles				EPA 525.2
Carbamates				EPA 531.1
Microextractable				EPA 504.1
Glyphosate				EPA 547
Endothall				EPA 548.1
Diquat				EPA 549.1
Dioxin				EPA 1613
<b>Radionuclides:</b>				
Gross Alpha-Beta with Total Solids				900.0
Radium 226 and 228				903.1/904.0
Total Uranium				200.8
Radon				ASTM D5072-92
MPA– (if first draw or if the source is <100 ft. from any surface water)				
<b>Water Quality Indicators:</b>				
<b><u>Langeliers Index:</u></b> (Please provide water temperature from field)				
Total Dissolved Solids (TDS)				2540 C
pH				4500-H+ B
Alkalinity				2320 B
Hardness (Calcium and Magnesium)				2340 B

\*It is suggested that you contact the Colorado Department of Public Health and Environment – Water Quality

Control Division for confirmation and details for your specific project.