Test Solution Preparation

Collect 200 L groundwater from FW021

- pH = 3.25
- Nitrate = 1,911 mg/L
- Uranium = 1.38 mg/L
- Tc-99 = 30,974 pCi/L
Test Solution Preparation

**Tracer**
- 100 mg/L Br⁻
- pH adjustment
- 8 g/L HCO₃⁻

**Electron donor**
- 20 mM glucose

**Observation**
Precipitate formed after HCO₃⁻
- U decreased from ~ 10 to 2 µM
- Tc decreased from 30,000 to 28,000 pCi/L
Test solution mixing with N₂:CO₂ gas (80%:20%)
Sampling composition of test solution during injection.