

**Lab #:** 998366

**Job #:** 65232

**Sample Name:** Savage 8-21B (8D) Casing

**Company:** QB Energy Operating, LLC

**API/Well:** 05-045-14756

**Container:** IsoTube Single Valve

**Sampling Point:** 292747

**Date Sampled:** 09/25/2025

**Date Received:** 01/09/2026

**Date Reported:** 02/16/2026

Component	Chemical mol%	$\delta^{13}\text{C}$ ‰	$\delta\text{D}$ ‰	$\delta^{18}\text{O}$ ‰	$\delta^{15}\text{N}$ ‰
Carbon Monoxide	nd				
Helium	0.0044				
Hydrogen	0.0141				
Argon	0.0067				
Oxygen	0.14				
Nitrogen	0.45				
Carbon Dioxide	3.80	0.9			
Methane	95.51	-32.7	-161		
Ethane	0.0634	-28.9			
Ethylene	nd				
Propane	0.0015				
Propylene	nd				
Iso-butane	nd				
N-butane	0.0001				
Iso-pentane	nd				
N-pentane	nd				
Hexanes +	nd				

Total BTU/cu.ft. dry @ 60° F & 14.73psia, calculated: 970

Specific gravity, calculated: 0.594

Remarks:

Insufficient C3, nC4, iC5 and nC5 concentration for carbon isotope analysis.

Billing Code: 201464, Major/Minor Code: 8000..126