



Certificate of Analysis  
 Number: 2500-23070162-005A

Greeley Laboratory  
 2881 S. 31st Ave  
 Unit 6-8  
 Greeley, CO 80631

Tony Walton  
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 4301 Industrial Parkway  
 Evans, CO 80620

Sep. 06, 2023

Station Name: WF A-9 MRLC GPM  
 Station Number: 68011289  
 Station Location: WF A-4 PAD  
 Sample Point: Meter Tube Run  
 Analyzed: 07/28/2023 11:21:49 by SO

Sampled By: Micah Hershberger  
 Sample Of: Gas Spot  
 Sample Date: 07/18/2023 12:49  
 Sample Conditions: 101 psig, @ 94 °F  
 Method: GPA-2261M  
 Cylinder No: 1253

**Analytical Data**

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0004	0.001	GPM TOTAL C2+ 8.636	
Nitrogen	0.3616	0.414	GPM TOTAL C3+ 4.518	
Carbon Dioxide	2.3166	4.163	GPM TOTAL iC5+ 1.044	
Methane	67.4107	44.159		
Ethane	15.3256	18.817	4.118	
Propane	8.2492	14.853	2.283	
Iso-butane	0.9620	2.283	0.316	
n-Butane	2.7638	6.559	0.875	
Iso-pentane	0.5967	1.758	0.219	
n-Pentane	0.7785	2.294	0.284	
Hexanes Plus	1.2349	4.699	0.541	
	100.0000	100.000	8.636	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.8495	3.2176
Calculated Molecular Weight	24.49	93.19
Compressibility Factor	0.9950	

**GPA 2172 Calculation:**

**Calculated Gross BTU per ft<sup>3</sup> @ 14.73 psia & 60°F**

Real Gas Dry BTU	1410	5141
Water Sat. Gas Base BTU	1386	5052

**Comments:** H2S Field Content 4.0 ppm

*Ryleigh Jacobs*

Data reviewed by: Ryleigh Jacobs, Laboratory Analyst

Quality Assurance: The above analyses are performed in accordance with ASTM, UOP, GPA guidelines for quality assurance, unless otherwise stated.