



# Certificate of Analysis

Number: 2500-24010031-009A

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

Tony Walton  
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4301 Industrial Parkway  
Evans, CO 80620

Jan. 08, 2024

Station Name: NPF A-E-22 HC GPM  
Station Number: 68003987  
Station Location: NPF K-22 Pad  
Sample Point: Meter Tube Run  
Analyzed: 01/05/2024 15:41:04 by VRM

Sampled By: Russ Fox  
Sample Of: Gas Spot  
Sample Date: 12/13/2023 10:40  
Sample Conditions: 124.80 psig, @ 55.70 °F  
Method: GPA-2261M  
Cylinder No: 1651

## Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0001	NIL		GPM TOTAL C2+ 7.899
Nitrogen	0.5821	0.687		GPM TOTAL C3+ 4.335
Carbon Dioxide	2.1694	4.020		GPM TOTAL iC5+ 0.568
Methane	69.6154	47.020		
Ethane	13.2668	16.796	3.564	
Propane	8.6086	15.983	2.382	
Iso-butane	1.2233	2.994	0.402	
n-Butane	3.1056	7.600	0.983	
Iso-pentane	0.3725	1.132	0.137	
n-Pentane	0.4255	1.293	0.155	
Hexanes Plus	0.6307	2.475	0.276	
	100.0000	100.000	7.899	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.8235	3.2176
Calculated Molecular Weight	23.75	93.19
Compressibility Factor	0.9954	
<b>GPA 2172 Calculation:</b>		
<b>Calculated Gross BTU per ft<sup>3</sup> @ 14.73 psia &amp; 60°F</b>		
Real Gas Dry BTU	1369	5141
Water Sat. Gas Base BTU	1346	5052

**Comments:** H2S Field Content 1.00 ppm

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.