



# Certificate of Analysis

Number: 2500-23020122-001A

Greeley Laboratory  
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Unit 6-8  
Greeley, CO 80631

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4301 Industrial Parkway  
Evans, CO 80620

Feb. 21, 2023

Station Name: SPH W42-29-30 XRLNB GPM  
Station Number: 68004644  
Station Location: PH B-28 Pad  
Sample Point: Meter Tube Run  
Analyzed: 02/21/2023 12:35:16 by SO

Sampled By: Russ Fox  
Sample Of: Gas Spot  
Sample Date: 02/10/2023 15:05  
Sample Conditions: 145.74 psig, @ 57.50 °F  
Method: GPA-2261M  
Cylinder No: 188

## Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0001	NIL		GPM TOTAL C2+
Nitrogen	0.8479	1.047		GPM TOTAL C3+
Carbon Dioxide	2.4430	4.741		GPM TOTAL iC5+
Methane	72.1335	51.029		
Ethane	12.6642	16.791	3.400	
Propane	8.0967	15.743	2.239	
Iso-butane	0.7735	1.982	0.254	
n-Butane	2.1176	5.427	0.670	
Iso-pentane	0.2858	0.909	0.105	
n-Pentane	0.3121	0.993	0.114	
Hexanes Plus	0.3256	1.338	0.143	
	100.0000	100.000	6.925	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.7859	3.2176
Calculated Molecular Weight	22.68	93.19
Compressibility Factor	0.9959	
<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	1300	5141
Water Sat. Gas Base BTU	1278	5052
<b>Comments:</b> H2S Field Content 0.50 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.