



Certificate of Analysis  
 Number: 2500-22090160-011A

Greeley Laboratory  
 2881 S. 31st Ave  
 Unit 6-8  
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 4301 Industrial Parkway  
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Sep. 29, 2022

Station Name: NPF 31-34-22 HNB GPM  
 Station Number: 68004619  
 Station Location: NPF K-22 Pad  
 Sample Point: Meter Tube Run  
 Analyzed: 09/29/2022 10:42:07 by RHJ

Sampled By: Russ Fox  
 Sample Of: Gas Spot  
 Sample Date: 09/12/2022 12:15  
 Sample Conditions: 107.06 psig, @ 83.25 °F  
 Method: GPA-2261M  
 Cylinder No: 1855

**Analytical Data**

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0001	NIL	GPM TOTAL C2+ 7.812	
Nitrogen	0.3962	0.471	GPM TOTAL C3+ 3.908	
Carbon Dioxide	2.4317	4.539	GPM TOTAL iC5+ 0.794	
Methane	69.8840	47.545		
Ethane	14.5358	18.536	3.904	
Propane	7.5052	14.035	2.077	
Iso-butane	0.8467	2.087	0.278	
n-Butane	2.3968	5.908	0.759	
Iso-pentane	0.4951	1.515	0.182	
n-Pentane	0.6694	2.048	0.244	
Hexanes Plus	0.8390	3.316	0.368	
	100.0000	100.000	7.812	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.8176	3.2176
Calculated Molecular Weight	23.58	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	1357	5141
Water Sat. Gas Base BTU	1334	5052
<b>Comments:</b> H2S Field Content 1.00 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.