



Certificate of Analysis
 Number: 2500-21120140-010A

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

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Dec. 29, 2021

Station Name: SIERRA MITCHELL #32-9
 Station Location: SWSW S32 T4S R63W
 Cylinder No: 2500-00064
 Analyzed: 12/28/2021 09:59:58 by RHJ

Sampled By: Seph Farabaugh
 Sample Of: Gas Spot
 Sample Date: 12/16/2021 10:15
 Sample Conditions: 267 psig, @ 51.7 °F
 Method: GPA 2286

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia
Hydrogen Sulfide	0.0000	0.0000	
Nitrogen	1.4884	1.7305	
Carbon Dioxide	2.5461	4.6506	
Methane	66.5926	44.3394	
Ethane	13.9797	17.4464	3.7551
Propane	10.0602	18.4116	2.7837
Iso-Butane	1.0184	2.4567	0.3347
n-Butane	3.3601	8.1056	1.0640
Iso-Pentane	0.5740	1.7188	0.2109
n-Pentane	0.3787	1.1340	0.1379
i-Hexanes	0.0017	0.0056	0.0006
n-Hexane	0.0000	0.0000	0.0000
Benzene	0.0000	0.0000	0.0000
Cyclohexane	0.0000	0.0001	0.0000
i-Heptanes	0.0001	0.0007	0.0001
n-Heptane	0.0000	0.0000	0.0000
Toluene	0.0000	0.0000	0.0000
i-Octanes	0.0000	0.0000	0.0000
n-Octane	0.0000	0.0000	0.0000
2,2,4-Trimethylpentane	0.0000	0.0000	0.0000
Ethylbenzene	0.0000	0.0000	0.0000
Xylenes	0.0000	0.0000	0.0000
i-Nonanes	0.0000	0.0000	0.0000
n-Nonane	0.0000	0.0000	0.0000
Decane Plus	0.0000	0.0000	0.0000
	100.0000	100.0000	8.2870

Calculated Physical Properties **Total**
 Calculated Molecular Weight 24.09
GPA 2172 Calculation:
Calculated Gross BTU per ft³ @ 14.73 psia & 60°F
 Real Gas Dry BTU 1363.5
 Water Sat. Gas Base BTU 1339.8
 Relative Density Real Gas 0.8354
 Compressibility Factor 0.9954

Comments: H2S Field Content 0 ppm

Data reviewed by: Matthew Loveley, Laboratory Manager

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