



Certificate of Analysis
 Number: 2500-22010084-001A

Greeley Laboratory
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Jan. 21, 2022

Station Name: Newlander
 Method: GPA 2286
 Analyzed: 01/19/2022 07:44:39 by RHJ

Sampled By:
 Sample Of: Gas Spot
 Sample Date: 01/07/2022
 Sample Conditions:

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia
Hydrogen Sulfide	0.0000	0.0000	
Nitrogen	4.8790	6.7661	
Carbon Dioxide	0.1823	0.3972	
Methane	80.5162	63.9440	
Ethane	6.5560	9.7589	1.7581
Propane	5.5293	12.0701	1.5274
Iso-Butane	0.7079	2.0368	0.2322
n-Butane	1.2539	3.6079	0.3964
Iso-Pentane	0.1638	0.5850	0.0600
n-Pentane	0.1034	0.3693	0.0376
i-Hexanes	0.0552	0.2300	0.0220
n-Hexane	0.0211	0.0903	0.0087
Benzene	0.0009	0.0035	0.0002
Cyclohexane	0.0057	0.0238	0.0019
i-Heptanes	0.0195	0.0881	0.0078
n-Heptane	0.0019	0.0093	0.0009
Toluene	0.0007	0.0031	0.0002
i-Octanes	0.0026	0.0136	0.0011
n-Octane	0.0005	0.0026	0.0002
2,2,4-Trimethylpentane	0.0001	0.0004	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	4.0547

Calculated Physical Properties **Total**
 Calculated Molecular Weight 20.20
GPA 2172 Calculation:
Calculated Gross BTU per ft³ @ 14.73 psia & 60°F
 Real Gas Dry BTU 1154.2
 Water Sat. Gas Base BTU 1134.1
 Relative Density Real Gas 0.6993
 Compressibility Factor 0.9970

Comments: H2S Field Content 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.