



Certificate of Analysis

Number: 2500-21090206-011A

Greeley Laboratory
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Unit 6-8
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390 Yampa Ave
Craig, CO 81625

Oct. 06, 2021

Station Name: Diamond T Sheep 2-26
Station Number: 2501155011
Sample Point: Meter Run
Cylinder No: 2500-01884
Analyzed: 10/01/2021 20:23:23 by RHJ

Sampled By: Dan Lara
Sample Of: Gas Spot
Sample Date: 09/21/2021 14:50
Sample Conditions: 119.7 psig, @ 80.7 °F
Method: GPA 2286

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia
Nitrogen	0.2868	0.3885	
Carbon Dioxide	1.1311	2.4072	
Methane	79.5869	61.7420	
Ethane	11.6173	16.8924	3.1169
Propane	4.6564	9.9292	1.2870
Iso-Butane	0.4661	1.3101	0.1531
n-Butane	1.1387	3.2005	0.3601
Iso-Pentane	0.3680	1.2839	0.1350
n-Pentane	0.4154	1.4493	0.1510
i-Hexanes	0.2308	0.9591	0.0953
n-Hexane	0.0789	0.3285	0.0325
Benzene	0.0083	0.0316	0.0023
Cyclohexane	0.0010	0.0040	0.0003
i-Heptanes	0.0054	0.0258	0.0024
n-Heptane	0.0012	0.0057	0.0005
Toluene	0.0011	0.0049	0.0004
i-Octanes	0.0031	0.0156	0.0014
n-Octane	0.0009	0.0051	0.0005
2,2,4-Trimethylpentane	NIL	0.0001	NIL
Ethylbenzene	NIL	NIL	NIL
Xylenes	0.0008	0.0044	0.0003
i-Nonanes	NIL	0.0001	NIL
n-Nonane	0.0005	0.0029	0.0003
Decane Plus	0.0013	0.0091	0.0008
	100.0000	100.0000	5.3401

Calculated Physical Properties	Total	C10+
Calculated Molecular Weight	20.68	138.51
GPA 2172 Calculation:		
Calculated Gross BTU per ft³ @ 14.73 psia & 60°F		
Real Gas Dry BTU	1233.2	7265.1
Water Sat. Gas Base BTU	1211.7	7114.1
Relative Density Real Gas	0.7162	4.7823
Compressibility Factor	0.9966	

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.