



Certificate of Analysis
 Number: 2500-22010084-013A

Greeley Laboratory
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Jan. 21, 2022

Station Name: Kiyota
 Method: GPA 2286
 Analyzed: 01/20/2022 11:38:29 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	6.2483	8.1906	
Carbon Dioxide	0.1504	0.3097	
Methane	75.7054	56.8314	
Ethane	7.4762	10.5193	2.0055
Propane	6.7816	13.9932	1.8740
Iso-Butane	1.0765	2.9278	0.3533
n-Butane	2.1698	5.9013	0.6862
Iso-Pentane	0.2454	0.8285	0.0900
n-Pentane	0.1405	0.4743	0.0511
i-Hexanes	0.0034	0.0125	0.0012
n-Hexane	0.0003	0.0012	0.0001
Benzene	0.0001	0.0003	0.0000
Cyclohexane	0.0002	0.0007	0.0001
i-Heptanes	0.0007	0.0033	0.0003
n-Heptane	0.0004	0.0019	0.0002
Toluene	0.0005	0.0022	0.0002
i-Octanes	0.0003	0.0018	0.0002
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
	<u>100.0000</u>	<u>100.0000</u>	<u>5.0624</u>

Calculated Physical Properties **Total**
 Calculated Molecular Weight 21.37
GPA 2172 Calculation:
Calculated Gross BTU per ft³ @ 14.73 psia & 60°F
 Real Gas Dry BTU 1195.8
 Water Sat. Gas Base BTU 1175.0
 Relative Density Real Gas 0.7400
 Compressibility Factor 0.9967

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.