

# QUESTAR APPLIED TECHNOLOGY

1210 D. Street, Rock Springs, Wyoming 82901

(307) 352-7292

49-013-21243

LIMS ID: N/A Description: MEGG 1-5  
Analysis Date/Time: ##### Field: Madden  
Analyst Initials: AST ML#: 994522/EIPaso  
Instrument ID: Instrument 1 GC Method: Quesbtex  
Data File: QPC42.D  
Date Sampled: 02/07/03

Component	Mol%	Wt%	LV%
Methane	94.9482	87.4410	94.8574
Ethane	0.1588	0.2741	0.2509
Propane	0.0048	0.0121	0.0078
Isobutane	0.0004	0.0013	0.0008
n-Butane	0.0005	0.0018	0.0010
Neopentane	0.0000	0.0001	0.0001
Isopentane	0.0001	0.0003	0.0001
n-Pentane	0.0000	0.0002	0.0001
2,2-Dimethylbutane	0.0000	0.0000	0.0000
2,3-Dimethylbutane	0.0000	0.0000	0.0000
2-Methylpentane	0.0000	0.0000	0.0000
3-Methylpentane	0.0000	0.0000	0.0000
n-Hexane	0.0000	0.0000	0.0000
Heptanes	0.0011	0.0058	0.0023
Octanes	0.0000	0.0002	0.0000
Nonanes	0.0001	0.0007	0.0003
Decanes plus	0.0000	0.0000	0.0000
Nitrogen	0.0888	0.1428	0.0574
Carbon Dioxide	4.7972	12.1196	4.8218
Oxygen	0.0000	0.0000	0.0000
Total	100.0000	100.0000	100.0000

Global Properties	Units	
Gross BTU/Real CF	966.3	BTU/SCF at 60°F and 14.73 psia
Sat. Gross BTU/Real CF	950.6	BTU/SCF at 60°F and 14.73 psia
Gas Compressibility (Z)	0.9979	
Specific Gravity	0.6029	air=1
Avg Molecular Weight	17.420	gm/mole
Propane GPM	0.001320	gal/MCF
Butane GPM	0.000288	gal/MCF
Gasoline GPM	0.000378	gal/MCF
26# Gasoline GPM	0.000536	gal/MCF
Total GPM	0.001986	gal/MCF
Base Mol%	99.606	%v/v

Sample Temperature: 64 °F  
Sample Pressure: 1000 psig  
Hydrogen Sulfide: 0.0000 Mole%

Reviewed By:

Froment  
NW SW 5-38-90  
Mesa Verde

Component	Mol%	Wt%	LV%
Benzene	0.0006	0.0026	0.0010
Toluene	0.0003	0.0018	0.0007
Ethylbenzene	0.0000	0.0000	0.0000
M&P Xylene	0.0001	0.0005	0.0002
O-Xylene	0.0000	0.0002	0.0001
2,2,4-Trimethylpentane	0.0000	0.0001	0.0000
Cyclopentane	0.0000	0.0000	0.0000
Cyclohexane	0.0001	0.0006	0.0003
Methylcyclohexane	0.0001	0.0005	0.0002
Description:	MEGG 1-5		

#### GRI GlyCalc Information

Component	Mol%	Wt%	LV%
Carbon Dioxide	4.7972	12.1196	4.8218
Hydrogen Sulfide	0.0000	0.0000	0.0000
Nitrogen	0.0888	0.1428	0.0574
Methane	94.9482	87.4410	94.8574
Ethane	0.1588	0.2741	0.2509
Propane	0.0048	0.0121	0.0078
Isobutane	0.0004	0.0013	0.0008
n-Butane	0.0005	0.0018	0.0010
Isopentane	0.0001	0.0004	0.0002
n-Pentane	0.0000	0.0002	0.0001
Cyclopentane	0.0000	0.0000	0.0000
n-Hexane	0.0000	0.0000	0.0000
Cyclohexane	0.0001	0.0006	0.0003
Other Hexanes	0.0000	0.0000	0.0000
Heptanes	0.0000	0.0002	0.0001
Methylcyclohexane	0.0001	0.0005	0.0002
2,2,4 Trimethylpentane	0.0000	0.0001	0.0000
Benzene	0.0006	0.0026	0.0010
Toluene	0.0003	0.0018	0.0007
Ethylbenzene	0.0000	0.0000	0.0000
Xylenes	0.0001	0.0007	0.0003
C8+ Heavies	0.0000	0.0002	0.0000
Subtotal	100.0000	100.0000	100.0000
Oxygen	0.0000	0.0000	0.0000
Total	100.0000	100.0000	100.0000