

Diablo Analytical BTU Report

GPA 2172-96 Analysis

Sample Information

Sample Information	
Sample Name	GPA 2172-96 Example Calculation
Method Name	
Operator	sjh
Sample Notes	Gas properties at 60 Deg. F and 14.696 psia (Gas Analysis on Dry Basis)
Injection Date	
Report Date	02/25/2005 08:24:46 AM
BTU Settings File	GPA 2172-96 Wet.cfg
Data Source	Manually entered data loaded from BTU data file
Data File	GPA 2172-96 Example Calc Dry.btu

Component Results

Component Name	Ret. Time (min)	Peak Area	Normalized Mole%	Heating Value (Btu / cu. ft.)	Molar Mass Ratio (G)	
Helium	0.000	0	0.030	0.000	0.0000	
Nitrogen	0.000	0	0.320	0.000	0.0031	
Carbon Dioxide	0.000	0	2.020	0.000	0.0307	
Methane	0.000	0	83.020	838.502	0.4599	
Ethane	0.000	0	7.450	131.843	0.0773	
Propane	0.000	0	4.390	110.457	0.0668	
i-Butane	0.000	0	0.830	26.991	0.0167	
n-Butane	0.000	0	1.080	35.233	0.0217	
i-Pentane	0.000	0	0.310	12.403	0.0077	
n-Pentane	0.000	0	0.250	10.022	0.0062	
n-Hexane	0.000	0	0.300	14.268	0.0089	
Total:			100.000	1179.718	0.6991	

Results Summary

Result	Dry	Sat.	
Total Unnormalized Mole%	100.000		
Pressure Base	14.696		
Water Mole%	-	1.744	
Gross Heating Value (Btu / Ideal cu. ft.)	1179.718	1159.139	
Gross Heating Value (Btu / Real cu. ft.)	1183.532	1163.318	
Real Relative Density	0.70109	0.70001	
Gas Compressibility (Z) Factor	0.99678	0.99641	