

Natural Gas Analysis Report

Sample Information

| Sample Information | |
|-------------------------------|---|
| Sample Name | GPA 2172-96 Example Calculation |
| Operator | sjh |
| Sample Notes | Gas properties at 60 Deg. F and 14.696 psia (Gas Analysis on Dry Basis) |
| Report Date | 02/19/2010 11:09:03 AM |
| EZReporter Configuration File | hexanes plus.cfg |
| Data Source | Manually entered data loaded from EZReporter data file |
| EZReporter Data File | GPA 2172-96 Example Calc Dry.btu |

Component Results

| Component Name | Ret. Time | Peak Area | Normalized Mole% | Heating Value (Btu / cu. ft.) | Molar Mass Ratio (G) | GPM (Gal. / 1000 cu. ft.) |
|----------------|-----------|-----------|------------------|-------------------------------|----------------------|---------------------------|
| Helium | 0.000 | 0 | 0.030 | 0.000 | 0.000 | 0.003 |
| Hydrogen | 0.000 | 0 | 0.000 | 0.000 | 0.000 | |
| Nitrogen | 0.000 | 0 | 0.320 | 0.000 | 0.003 | 0.035 |
| Argon | 0.000 | 0 | 0.000 | 0.000 | 0.000 | |
| Oxygen | 0.000 | 0 | 0.000 | 0.000 | 0.000 | 0.000 |
| Methane | 0.000 | 0 | 83.020 | 835.877 | 0.460 | 14.040 |
| Carbon Dioxide | 0.000 | 0 | 2.020 | 0.000 | 0.031 | 0.344 |
| Ethane | 0.000 | 0 | 7.450 | 131.430 | 0.077 | 1.987 |
| Propane | 0.000 | 0 | 4.390 | 110.115 | 0.067 | 1.206 |
| i-Butane | 0.000 | 0 | 0.830 | 26.907 | 0.017 | 0.271 |
| n-Butane | 0.000 | 0 | 1.080 | 35.124 | 0.022 | 0.340 |
| i-Pentane | 0.000 | 0 | 0.310 | 12.364 | 0.008 | 0.113 |
| n-Pentane | 0.000 | 0 | 0.250 | 9.990 | 0.006 | 0.090 |
| Hexanes Plus | 0.000 | 0 | 0.300 | 15.339 | 0.010 | 0.130 |
| Total: | | | 100.000 | 1177.147 | 0.700 | 18.558 |

Results Summary

| Result | Dry | Sat. |
|---|----------|----------|
| Total Unnormalized Mole% | 100.000 | |
| Pressure Base (psia) | 14.650 | |
| Water Mole% | - | 1.750 |
| Gross Heating Value (Btu / Ideal cu. ft.) | 1177.147 | 1156.545 |
| Gross Heating Value (Btu / Real cu. ft.) | 1180.944 | 1160.733 |
| Real Relative Density | 0.70178 | 0.70069 |
| Gas Compressibility (Z) Factor | 0.99679 | 0.99639 |
| Wobbe Index | 1409.707 | 1386.658 |