

3000A MicroGC - Agilent
TEP Rocky Mountain LLC, Gas Analysis
GPA 2145-09 Analysis Calculation

Sample Information

Sample Information	
Sample Name	SR 11-12
Operator:	Dustin Germano
Meter Station Number:	62500016
Field Remarks:	
Sample Pressure PSIG	35
Sample Temperature:	
Atmospheric Pressure:	11.28
COC#	55168
Analysis Type	Spot / Portable GC
Heat Trace Used	Heated JT Reg / Heated Hose
Flow Rate (MCF)	
Ambient Air Temp	82
Last GC Calibration / Verification	August 17, 2017
Sample Notes	Bradenhead
Injection Date	2017-08-21 12:43:30
Source Data File	RU 11-12 Bradenheada.dat

Component Results

Component Name	Ret. Time	Peak Area	Norm%	Gross HV (Dry) (BTU / Ideal cu.ft.)	Relative Gas Density (Dry)	GPM (Dry) (Gal. / 1000 cu.ft.)
Nitrogen	0.187	139364.0	0.2584	0.0	0.00250	0.000
Methane	0.193	33448640.0	77.8861	788.5	0.43141	0.000
CO2	0.265	5815542.0	8.7355	0.0	0.13274	0.000
Ethane	0.316	4858350.0	6.8808	122.1	0.07144	1.847
Propane	0.951	2083601.0	2.3868	60.2	0.03634	0.660
iso-Butane	0.236	1785653.0	0.6983	22.8	0.01401	0.229
n-Butane	0.251	2235270.0	0.8402	27.5	0.01686	0.266
iso-Pentane	0.299	1466234.0	0.4956	19.9	0.01235	0.182
n-Pentane	0.319	1287179.0	0.4135	16.6	0.01030	0.150
Hexanes	0.000	1849615.0	0.5301	25.3	0.01577	0.219
Heptanes	0.000	1639569.0	0.4409	24.3	0.01525	0.204
Octanes	0.000	1188575.0	0.3071	19.2	0.01211	0.158
Nonane Plus	0.000	538247.0	0.1267	8.9	0.00561	0.072
Water	0.000	0.0	0.0000	0.0	0.00000	0.000
Total:			100.0000	1135.1	0.77669	3.986

Results Summary

Result	Dry	Sat. (Base)
Total Raw Mole% (Dry)	98.6660	
Pressure Base (psia)	14.730	
Temperature Base	60.0	
Water Mole%	-	1.7404
Gross Heating Value (BTU / Ideal cu.ft.)	1135.14	1115.39
Gross Heating Value (BTU / Real cu.ft.)	1139.33	1119.96
Relative Density (G), Real	0.7792	0.7768
Compressibility (Z) Factor	0.9963	0.9959
Wobbe Index	1290.7	1270.7