

Diablo Analytical BTU Report

GPA 2145-03 Analysis

Sample Information

30-045-24392

Sample Information	
Sample Name	CardonComSWD Intermediate
Station Number	
Taken By	Alpine Analysis LLC
Operator	Travis Tapp
Method Name	StandardNatGas.met
Injection Date	2018-04-12 10:28:10
Report Date	2018-04-12 10:32:04
EZReporter Configuration File	default Standard Sample.cfgx
Source Data File	2018-04-12 10-27-54 (GMT -06-00)CardonComSWD Intermediate.dat
EZReporter Data File	CardonComSWD Intermediate-20180412-103204.ezrx
Data Source	Agilent EZChrom Connector

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	0.320	1436050.0	2.36344	0.0	0.02286	0.261
Methane	0.325	35289002.0	84.35139	853.9	0.46722	14.339
Carbon Dioxide	0.377	0.0	0.00000	0.0	0.00000	0.000
Ethane	0.422	3867750.0	6.10172	108.2	0.06335	1.636
Hydrogen Sulfide	0.601	0.0	0.00000	0.0	0.00000	0.000
Propane	0.526	6222016.0	3.59807	90.7	0.05478	0.994
i-Butane	0.574	1430421.0	0.71043	23.2	0.01426	0.233
n-Butane	0.607	2692324.0	1.31083	42.9	0.02631	0.414
i-Pentane	0.711	1363296.0	0.59676	23.9	0.01487	0.219
n-Pentane	0.754	1059146.0	0.44552	17.9	0.01110	0.162
Hexanes Plus	0.000	1511798.0	0.52184	0.0	0.00000	0.000
Water	0.000	0.0	0.00000	0.0	0.00000	0.000
Total:			100.00000	1160.7	0.67474	18.258

Results Summary

Result	Dry	Sat. (Base)
Total Raw Mole% (Dry)	85.15960	
Pressure Base (psia)	14.730	
Temperature Base	60.0	
Water Mole%	-	1.74067
Gross Heating Value (BTU / Ideal cu.ft.)	1160.7	1140.5
Gross Heating Value (BTU / Real cu.ft.)	1164.2	1144.3
Relative Density (G), Real	0.6764	0.6758
Compressibility (Z) Factor	0.9971	0.9967
Total GPM	18.258	18.047