



LAFAYETTE AREA LABORATORY
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Certificate of Analysis

Number: 2030-2012060244-001A

June 23, 2012

Chevron Pipeline
PO Box 629
Sorrento LA 70778

Sample ID:
Station Name : Storage Facility
Station Number :
Station Location : Napoleonville
Sample Point:

Sampled By: JR - CPL
Sample Of: Gas Spot
Sample Date: 06/22/2012
Sample Conditions: 1,519.0 psig @ 97.0°F
PO / Ref. No:

ANALYTICAL DATA

Components	Mol %	Wt %	GPM at 15.025 psia	Method	Lab Tech.	Date Analyzed
GPA-2261 M CC 6/23/2012 3:32:15 PM						
Nitrogen	0.317	0.533				
Carbon Dioxide	0.930	2.457				
Methane	97.053	93.448				
Ethane	1.367	2.467	0.374			
Propane	0.187	0.495	0.053			
Iso Butane	0.043	0.150	0.014			
n-Butane	0.041	0.143	0.013			
Iso Pentane	0.016	0.069	0.006			
n-Pentane	0.015	0.065	0.006			
Hexanes Plus	0.031	0.173	0.014			
	100.000	100.000	0.480			
	C2 +	C3 +	IC5 +			
GPM TOTAL :	0.480	0.106	0.026			
Relative Density	Real Gas			0.5763		
Calculated Molecular Weight				16.66		
Compressibility Factor				0.9979		
GPA 2172-09 Calculation:						
Calculated Gross BTU per ft ³ @ 15.025 psia & 60°F						
Real Gas	Dry BTU:	1040		Calculated Gross BTU per ft ³ @ 14.730 psia & 60° F		
	Water Sat. Gas_Base BTU:	1022		Real Gas	Dry BTU:	1019
					Water Sat. Gas_Base BTU:	1001
Comments : H2O Mol% : 1.706 ; Wt% : 1.842						
Cylinder Number 2015						

Laboratory Manager

Quality Assurance:

The above analyses are performed in accordance with ASTM, UOP or GPA guidelines for quality assurance, unless otherwise stated