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ISOTECH LABORATORIES INC

ANALYSIS REPORT

Lab #: 220385 Job #: 16240
Sample Name: Jepsen 14-2 Co. Lab#:
Company: LT Environmental API # 05-123-13646
Date Sampled: 9/12/2011
Container: IsoTube®
Field/Site Name: Wellhead Sampling
Location:
Formation/Depth:
Sampling Point:
Date Received: 9/14/2011 Date Reported: 9/30/2011

Component	Chemical mol. %	$\delta^{13}C$ ‰	δD ‰	$\delta^{15}N$ ‰
Carbon Monoxide	nd			
Hydrogen Sulfide	na			
Helium	0.0077			
Hydrogen	0.0354			
Argon	nd			
Oxygen	nd			
Nitrogen	0.38			
Carbon Dioxide	0.19			
Methane	81.75	-45.43	-223.2	
Ethane	11.60	-28.87		
Ethylene	nd			
Propane	3.77	-25.64		
Iso-butane	0.567			
N-butane	0.973			
Iso-pentane	0.239			
N-pentane	0.230			
Hexanes +	0.250			

Total BTU/cu.ft. dry @ 60deg F & 14.7psia, calculated: 1213
Specific gravity, calculated: 0.687

nd = not detected. na = not analyzed. Isotopic composition of carbon is relative to VPDB. Isotopic composition of hydrogen is relative to VSMOW. Calculations for BTU and specific gravity per ASTM D3588. Chemical compositions are normalized to 100%. Mol. % is approximately equal to vol. %.