

Lab #: 409072      Job #: 24176      IS-69191      Co. Job#:   
 Sample Name: 09777\_1-28-14\_BHD      Co. Lab#:   
 Company: LT Environmental   
 API/Well:   
 Container: IsoTube®   
 Field/Site Name: Braden Head Sampling   
 Location: Weichel Gordon P2   
 Formation/Depth:   
 Sampling Point:   
 Date Sampled: 1/28/2014      Date Received: 1/30/2014      Date Reported: 2/10/2014

Component	Chemical mol. %	$\delta^{13}\text{C}$ ‰	$\delta\text{D}$ ‰	$\delta^{15}\text{N}$ ‰
Carbon Monoxide -----	nd			
Helium -----	0.0133			
Hydrogen -----	nd			
Argon -----	0.950			
Oxygen -----	20.86			
Nitrogen -----	78.11			
Carbon Dioxide -----	0.064			
Methane -----	0.0040			
Ethane -----	0.0001			
Ethylene -----	nd			
Propane -----	nd			
Propylene -----	nd			
Iso-butane -----	nd			
N-butane -----	nd			
Iso-pentane -----	nd			
N-pentane -----	nd			
Hexanes + -----	nd			

Total BTU/cu.ft. dry @ 60deg F & 14.73psia, calculated: 0

Specific gravity, calculated: 1.000

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