

Address: 1308 Parkland Court Champaign, IL 61821-1826 Phone: 217-398-3490

SEND DATA TO:

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SEND INVOICE TO: (if different from SEND DATA TO:)

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 Phone: _____
 Email: _____

Project: _____	Purchase Order #: _____
Location: _____	Sampled By: _____

Select One: Standard Priority Rush

Sample Description

Container Number	Sample Identification	Date Sampled	Time	Analyses Requested	Comments

Chain-of-Custody Record

Signature	Company	Date	Time
Relinquished by			
Received by			
Relinquished by			
Received by			
Relinquished by			
Received by			

ANALYSIS PACKAGE CODES

Code Analysis Included

Natural Gas Characterization using high precision dual inlet IRMS

NG-1 - Full GC composition, $\delta^{13}\text{C}$ & δD of CH_4

NG-2 - NG-1 plus $\delta^{13}\text{C}$ of C_2H_6 and C_3H_8

NG-3 - NG-2 plus $\delta^{13}\text{C}$ of $i\text{C}_4\text{H}_{10}$ and $n\text{C}_4\text{H}_{10}$

NG-4 - NG-3 plus $\delta^{13}\text{C}$ of $i\text{C}_5\text{H}_{12}$ and $n\text{C}_5\text{H}_{12}$

*-D - add $\delta^{13}\text{C}$ of CO_2 to any analysis package (e.g., NG-2-D)

Bacterial Gas Characterization

BG-1 - Full GC composition, $\delta^{13}\text{C}$ of CH_4 and CO_2 & δD of CH_4

BG-2 - BG-1 plus ^{14}C of CH_4

BG-3 - BG-2 plus ^3H of CH_4

Dissolved Gas

DGS - Dissolved gas screening, quantification of dissolved CH_4 , C_2H_6 , C_3H_8

DG-1 - Full Dissolved Gas GC, $\delta^{13}\text{C}$ & δD of CH_4

DG-2 - DG-1 plus $\delta^{13}\text{C}$ of C_2H_6 and C_3H_8

Mud Gas / Headspace Gas

MG-1 - Basic GC, $\delta^{13}\text{C}$ of CH_4 via GC-C-IRMS

MG-2 - MG-1 plus $\delta^{13}\text{C}$ of C_2H_6 and C_3H_8 via GC-C-IRMS

Water Isotope Analyses

RAG - Radiocarbon analysis of groundwater - $\delta^{13}\text{C}$ and ^{14}C of dissolved inorganic carbon (DIC)

SIW - Stable isotopes package - δD and $\delta^{18}\text{O}$ of water and $\delta^{13}\text{C}$ of DIC

TDC - Tritium of water by liquid scintillation counter (LSC), detection limit of 10-15 TU

TEE - Tritium of water with electrolytic enrichment by LSC, detection limit of <1TU

Water Chemistry Analyses

WAB - Basic Suite - (Na^+ , K^+ , Mg^{2+} , Ca^{2+}) + (SO_4^{2-} , Cl^-), alkalinity, pH, conductivity, density

WAE - Environmental Suite - WAB + (Ba^{2+} , Sr^{2+} , $\text{Fe}^{2+,3+}$, Mn^{2+}) + (F^- , Br^- , NO_3^- , PO_4^{3-})

WAO - Oilfield Suite - WAB + (Ba^{2+} , Sr^{2+} , $\text{Fe}^{2+,3+}$, Mn^{2+} , Li^+ , B^{3+}) + (Br^-)