

**SEND DATA TO:**

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<b>Project:</b> _____	<b>Purchase Order #:</b> _____
<b>Location:</b> _____	<b>Sampled By:</b> _____

 Select One:  Standard     Priority     Rush

Sample Description				Analyses Requested			Comments
Container Number	Sample Identification	Date Sampled	Time				

**Chain-of-Custody Record**

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



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## ANALYSIS PACKAGE CODES

### Code    Analysis Included

#### **Natural Gas Characterization**

NG-1 - composition,  $\delta^{13}\text{C}$  &  $\delta\text{D}$  of  $\text{CH}_4$

NG-2 - NG-1 plus  $\delta^{13}\text{C}$  of  $\text{C}_2\text{H}_6$  and  $\text{C}_3\text{H}_8$

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

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

\*-D - add  $\delta^{13}\text{C}$  of  $\text{CO}_2$  to any analysis package

#### **Bacterial Gas Characterization**

BG-1 - composition,  $\delta^{13}\text{C}$  of  $\text{CH}_4$  and  $\text{CO}_2$  &  $\delta\text{D}$  on  $\text{CH}_4$

BG-2 - BG-1 plus  $^{14}\text{C}$  in  $\text{CH}_4$

BG-3 - BG-2 plus  $^3\text{H}$  in  $\text{CH}_4$

#### **Water Analysis**

SIW - stable isotopes of water -  $\delta\text{D}$  and  $^{18}\text{O}$  of  $\text{H}_2\text{O}$  and  $\delta^{13}\text{C}$  of dissolved inorganic carbon (DIC)

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

TEE - tritium analysis of water - low-level  $^3\text{H}$  analysis in  $\text{H}_2\text{O}$  with electrolytic enrichment

TDC - tritium analysis of water - low-level  $^3\text{H}$  in  $\text{H}_2\text{O}$  by direct counting

#### **Dissolved Gas**

DG-1 -includes Diss Gas GC,  $\delta^{13}\text{C}$  &  $\delta\text{D}$  of  $\text{CH}_4$

DG-2 -includes DG-1 plus  $\delta^{13}\text{C}$  only of  $\text{C}_2\text{H}_6$  and  $\text{C}_3\text{H}_8$