

Attachment E

Methane Gas Tests Results

October 16, 2001

Isotope ratio data for samples submitted by US Army Corps of Engineers

Zymax ID	Sample ID	Methane	
		$\delta^{13}\text{C}(\text{‰})$	C-14 Age
25033-1	Sample #1 from MDH-07-01	-63.22	Post Bomb
STANDARD			
NBS		-29.81	
NBS-DUP		-29.78	

25033.wpd con254


Supervisor

Received: 9-10-2001
 Analyzed: 9-10-2001

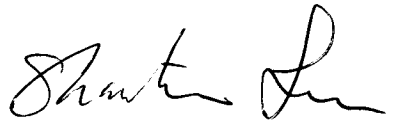
Hydrocarbon concentrations in samples submitted by Army Corps of Engineers

Sample ID	Zymax ID	C1	C2 [±]	C2	C3	i-C4	n-C4	i-C5	n-C5
		ppmv							
Sample #1 from MDH-07-01	25033-1	12898	<10	<10	<10	<10	<10	<10	<10
Sample #1 from MDH-07-01	25033-1D	13233	<10	<10	<10	<10	<10	<10	<10
Detection Limit:		10	10	10	10	10	10	10	10

QA/QC data for C₁-C₅ analysis

Analytes	RF x 10 ⁵	RF _D x 10 ⁵	% D	Acceptance Limit %
C1	0.180	0.186	3.3	± 10
C2 / C2 [±]	0.365	0.371	1.6	± 10
C3	0.563	0.599	6.4	± 10
iC4	0.763	0.833	9.2	± 10
nC4	0.842	0.850	1.0	± 10
iC5	1.18	1.22	3.4	± 10
nC5	1.18	1.24	5.1	± 10

RF = Mean response factor from 3 point calibration
 RF_D = Daily calibration standard response factor
 % D = % Difference
 Calibration file: c1c5m307.cal



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