



**ARDINAL
LABORATORIES**

PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
SOUTHERN UNION GAS SERVICES
ATTN: TONY SAVOIE
P.O. BOX 1226
JAL, NM 88252

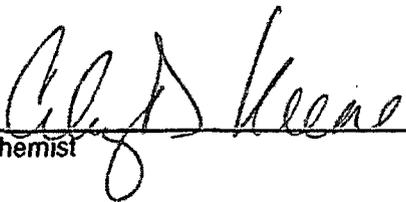
Receiving Date: 03/19/09
Reporting Date: 03/23/09
Project Number: 2009-010
Project Name: A-7
Project Location: BETTIS

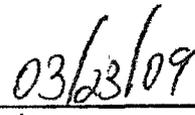
Sampling Date: 03/19/09
Sample Type: SOIL
Sample Condition: INTACT
Sample Received By: ML
Analyzed By: AB

	GRO	DRO
	(C ₆ -C ₁₀)	(>C ₁₀ -C ₂₈)
	(mg/kg)	(mg/kg)
LAB NUMBER	SAMPLE ID	

ANALYSIS DATE	03/20/09	03/20/09
H17089-1 BOTTOM HOLE 28'	1,790	4,460
Quality Control	494	556
True Value QC	500	500
% Recovery	98.8	111
Relative Percent Difference	0.6	5.6

METHODS: TPH GRO & DRO: EPA SW-846 8015 M


Chemist


Date

H17089 T SUGS

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
 SOUTHERN UNION GAS SERVICES
 ATTN: TONY SAVOIE
 P.O. BOX 1226
 JAL, NM 88252

Receiving Date: 03/19/09
 Reporting Date: 03/23/09
 Project Number: 2009-010
 Project Name: A-7
 Project Location: BETTIS

Sampling Date: 03/19/09
 Sample Type: SOIL
 Sample Condition: INTACT
 Sample Received By: ML
 Analyzed By: AB

TCLP

GRO DRO
 (C₆-C₁₀) (>C₁₀-C₂₈)
 (mg/L) (mg/L)

LAB NUMBER SAMPLE ID

ANALYSIS DATE	03/20/09	03/20/09
H17089-1 BOTTOM HOLE 28'	4.78	3.19
Quality Control	494	556
True Value QC	500	500
% Recovery	98.8	111
Relative Percent Difference	0.2	0.8

METHODS: TPH GRO & DRO: EPA SW-846 1311/8015 M

Alan D. Keene

 Chemist

03/23/09

 Date



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
 SOUTHERN UNION GAS SERVICES
 ATTN: TONY SAVOIE
 P.O. BOX 1226
 JAL, NM 88252

Receiving Date: 03/19/09
 Reporting Date: 03/23/09
 Project Number: 2009-010
 Project Name: A-7
 Project Location: BETTIS

Sampling Date: 03/19/09
 Sample Type: SOIL
 Sample Condition: INTACT
 Sample Received By: ML
 Analyzed By: AB

LAB NUMBI SAMPLE ID	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYL BENZENE (mg/kg)	TOTAL XYLENES (mg/kg)
ANALYSIS DATE	03/20/09	03/20/09	03/20/09	03/20/09
H17089-1 BOTTOM HOLE 28'	1.52	14.4	15.8	45.5
Quality Control	0.049	0.050	0.049	0.149
True Value QC	0.050	0.050	0.050	0.150
% Recovery	98.0	100	98.0	99.3
Relative Percent Difference	1.8	3.4	3.4	4.6

METHOD: EPA SW-846 8021B

TEXAS NELAP CERTIFICATION T104704398-08-TX FOR BENZENE, TOLUENE, ETHYL BENZENE,
 AND TOTAL XYLENES.

Alan J. Skane

 Chemist

03/23/09

 Date

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, in whole or in part, arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240
(505) 393-2326 FAX (505) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>Southern Union</u>			BILL TO			ANALYSIS REQUEST																							
Project Manager: <u>Tony SAVIDE</u>			P.O. #:																										
Address: <u>Lawrence</u>			Company:																										
City:		State:	Zip:		Attn:																								
Phone #:		Fax #:		Address:																									
Project #: <u>2009-010</u>		Project Owner:		City:																									
Project Name: <u>A-7</u>		State:		Zip:																									
Project Location: <u>Bettis</u>		Phone #:		Fax #:																									
Sampler Name: <u>GARY COY</u>		Fax #:																											
FOR LAB USE ONLY																													
Lab I.D.	Sample I.D.		(GRAB OR (COMP. # CONTAINERS	MATRIX														PRESERV			SAMPLING								
			GROUNDWATER	WASTEWATER	SOIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME																	
<u>28#</u>	<u>Bottom Hole</u>				<input checked="" type="checkbox"/>						<u>3-19-09</u>	<u>0900</u>	<u>8015 M</u>	<u>BTEX</u>	<u>8015 TELP</u>														
<u>H17089-1</u>																													

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 90 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: <u>Gary Coy</u>		Date: <u>3-19-09</u>	Received By: <u>Misty LeBart</u>		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Relinquished By: <u>Gary Coy</u>		Date: <u>3-19-09</u>	Received By: <u>Misty LeBart</u>		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		CHECKED BY: (Initials) <u>MCAP</u>		
REMARKS: <u>EMAIL Results RUSH!!</u>						

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476

BCH



ARDINAL LABORATORIES

PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
SOUTHERN UNION GAS SERVICES
ATTN: TONY SAVOIE
P.O. BOX 1226
JAL, NM 88252

Receiving Date: 02/26/09
Reporting Date: 03/03/09
Project Number: 2009-010
Project Name: A-7 NORTH SITE / BETTIS
Project Location: NORTH OF EUNICE

Sampling Date: 02/26/09
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: ML
Analyzed By: CK/AB/HM

LAB NUMBER	SAMPLE ID	GRO	DRO	Cl*
		(C ₆ -C ₁₀) (mg/kg)	(>C ₁₀ -C ₂₈) (mg/kg)	(mg/kg)

ANALYSIS DATE		02/27/09	02/27/09	02/26/09
H16976-1	1A	<10.0	<10.0	256
H16976-2	1B	<10.0	<10.0	16
H16976-3	2A	<10.0	<10.0	2,120
H16976-4	2B	<10.0	<10.0	208
H16976-5	3A	<10.0	51.4	32
H16976-6	3B	<10.0	10.8	64
H16976-7	4A	<10.0	<10.0	32
Quality Control		549	553	500
True Value QC		500	500	500
% Recovery		110	111	100
Relative Percent Difference		0.6	11.4	< 0.1

METHODS: TPH GRO & DRO: EPA SW-846 8015 M; Cl*: Std. Methods 4500-Cl*B
*Analyses performed on 1:4 w:v aqueous extracts.

Chemist

Date

H16976 TCL SUGS

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
 SOUTHERN UNION GAS SERVICES
 ATTN: TONY SAVOIE
 P.O. BOX 1226
 JAL, NM 88252

Receiving Date: 02/26/09
 Reporting Date: 03/03/09
 Project Number: 2009-010
 Project Name: A-7 NORTH SITE / BETTIS
 Project Location: NORTH OF EUNICE

Sampling Date: 02/26/09
 Sample Type: SOIL
 Sample Condition: COOL & INTACT
 Sample Received By: ML
 Analyzed By: CK/AB/HM

LAB NUMBER	SAMPLE ID	GRO	DRO	CI*
		(C ₆ -C ₁₀)	(>C ₁₀ -C ₂₈)	
		(mg/kg)	(mg/kg)	(mg/kg)

ANALYSIS DATE		03/02/09	03/02/09	02/26/09
H16976-8	4B	<10.0	<10.0	< 16
H16976-9	5A	<50.0	11,000	672
H16976-10	5B	<10.0	<10.0	336
Quality Control		476	546	500
True Value QC		500	500	500
% Recovery		95.2	109	100
Relative Percent Difference		0.6	6.6	< 0.1

METHODS: TPH GRO & DRO: EPA SW-846 8015 M; CI: Std. Methods 4500-C1B
 *Analyses performed on 1:4 w:v aqueous extracts.

Chemist

Date

H16976 TCL SUGS

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories

