

Bratcher, Mike, EMNRD

From: Lara Weinheimer <lweinheimer@rice-ecs.com>
Sent: Wednesday, April 23, 2014 1:42 PM
To: 'Burton, Michael'; Bratcher, Mike, EMNRD
Cc: 'Hack Conder'; 'Jacob Kamplain'
Subject: Linn J.L. Keel A #11 - 5 point composite of the blended backfill
Attachments: Linn J.L. Keel A #11 - 5 point comp blended backfill Lab.pdf

Follow Up Flag: Follow up
Flag Status: Completed

Attached is the lab for the blended backfill at the Linn J.L. Keel A #11. We would like permission to backfill the site.

Thanks!

Lara Weinheimer

Rice Environmental Consulting & Safety
Project Scientist
419 West Cain
Hobbs, NM 88240
(575) 441-0431





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

April 07, 2014

JACOB KAMPLAIN

RICE ENVIRONMENTAL CONSULTING & SAFETY LLC

419 W. CAIN

HOBBS, NM 88240

RE: J. L. KEEL A #11

Enclosed are the results of analyses for samples received by the laboratory on 04/01/14 16:07.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celely D. Keene

Lab Director/Quality Manager

Analytical Results For:

RICE ENVIRONMENTAL CONSULTING & SAFETY
JACOB KAMPLAIN
419 W. CAIN
HOBBS NM, 88240
Fax To: (575) 397-1471

Received: 04/01/2014
Reported: 04/07/2014
Project Name: J. L. KEEL A #11
Project Number: NONE GIVEN
Project Location: LINN ENERGY

Sampling Date: 04/01/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: 5 PT. COMP BLENDED BACKFILL (H400970-01)

BTEX 8021B		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/04/2014	ND	2.01	100	2.00	1.39	
Toluene*	<0.050	0.050	04/04/2014	ND	1.92	95.8	2.00	2.21	
Ethylbenzene*	<0.050	0.050	04/04/2014	ND	1.91	95.3	2.00	0.140	
Total Xylenes*	<0.150	0.150	04/04/2014	ND	5.49	91.6	6.00	0.369	
Total BTEX	<0.300	0.300	04/04/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 116 % 89.4-126

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	528	16.0	04/07/2014	ND	416	104	400	3.92	

TPH 8015M		mg/kg	Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/03/2014	ND	194	97.1	200	0.486	
DRO >C10-C28	10.3	10.0	04/03/2014	ND	207	104	200	5.18	

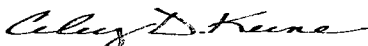
Surrogate: 1-Chlorooctane 86.0 % 65.2-140

Surrogate: 1-Chlorooctadecane 77.0 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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 the 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.



Celey D. Keene, Lab Director/Quality Manager

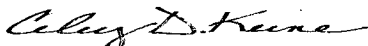
Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



CARDINAL LABORATORIES

101 East Mariand, Hobbs, NM 88240 2111 Beechwood, Abilene, TX 79603
(505) 393-2326 FAX (505) 393-2476 (325) 673-7001 FAX (325) 673-7020

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 4 of 4

Company Name: RECS				BILL TO				ANALYSIS REQUEST											
Project Manager: JACOB KAMPLAIN				P.O. #:				<div>Chlorides</div> <div>TPH 8015 M</div> <div>BTEX</div> <div>Texas TPH</div> <div>Complete Cations/Anions</div> <div>TDS</div>											
Address:				Company:															
City: Hobbs State: NM Zip: 88240				Attn:															
Phone #: Fax #:				Address:															
Project #: Project Owner:				City:															
Project Name: <i>Linn Energy</i>				State: Zip:															
Project Location: <i>J-L. Meel A-11</i>				Phone #: Fax #:															
Sampler Name: JOSHUA BALCOM																			
FOR LAB USE ONLY		Lab I.D.		Sample I.D.		GIRAS OR (C)OMP.		# CONTAINERS		MATRIX		PRESERV.		SAMPLING					
										GROUNDWATER									
										WASTEWATER									
										SOIL									
										OIL									
										SLUDGE									
										OTHER									
										ACID/BASE									
										SLICE / COOL									
										OTHER									
										DATE		TIME							
										4-1-14		2:00							

PLEASE NOTE: Liability and Damages: Cardinal's liability and owner'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 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.

Relinquished By: <i>[Signature]</i>		Date: <i>4-1-14</i>		Received By: <i>[Signature]</i>		Phone Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Add'l Phone #:	
Time: <i>4:07</i>		Date:		Time:		Fax Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Add'l Fax #:	
Relinquished By:		Date:		Received By:		REMARKS: email results Knorman@rice-ecs.com jbalcom@rice-ecs.com Kjones@riceswd.com; jkamplain@rice-ecs.com hconder@rice-ecs.com; Lweinheimer@rice-ecs.com			
Time:		Date:		Time:					
Delivered By: (Circle One)		Sample Condition		CHECKED BY: <i>[Signature]</i>					
Sampler - UPS - Bus - Other:		Cool Intact							
		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No							

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

#54

Bratcher, Mike, EMNRD

From: Bratcher, Mike, EMNRD
Sent: Wednesday, April 23, 2014 4:38 PM
To: 'Lara Weinheimer'; 'Burton, Michael'
Cc: 'Hack Conder'; 'Jacob Kamplain'
Subject: RE: Linn J.L. Keel A #11 - 5 point composite of the blended backfill

Follow Up Flag: Follow up
Flag Status: Completed

OCD approves your request to backfill at this site. Federal sites subject like approval by BLM.

Mike Bratcher
NMOCD District 2
811 S. First Street
Artesia, NM 88210
O: 575-748-1283 X108
C: 575-626-0857
F: 575-748-9720

From: Lara Weinheimer [<mailto:lweinheimer@rice-ecs.com>]
Sent: Wednesday, April 23, 2014 1:42 PM
To: 'Burton, Michael'; Bratcher, Mike, EMNRD
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