

August 20, 2013

BRIAN WALL

LINN ENERGY

RR1, BOX 24 B

KINGFISHER, OK 73750

RE: SKELLY B BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 08/09/13 16:55.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. 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.tceg.texas.gov/field/ga/lab accredited certif.html.

Cardinal Laboratories is accreditated 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.

Celey D. Keene

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,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

LINN ENERGY BRIAN WALL RR1, BOX 24 B KINGFISHER OK, 73750

Fax To: (405) 375-6693

Received:

08/09/2013

Sampling Date:

08/09/2013

Reported:

08/20/2013

Sampling Type:

Soil

Project Name:

SKELLY B BATTERY

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Project Location:

NOT GIVEN

Sample Received By:

Jodi Henson

Sample ID: SB 1 45' (H301895-01)

BTEX 8260B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/15/2013	ND	2.15	108	2.00	3.67	
Toluene*	<0.050	0.050	08/15/2013	ND	2.16	108	2.00	4.83	
Ethylbenzene*	< 0.050	0.050	08/15/2013	ND	2.10	105	2.00	4.57	
Total Xylenes*	< 0.150	0.150	08/15/2013	ND	6.24	104	6.00	4.81	
Total BTEX	<0.300	0.300	08/15/2013	ND					
Surrogate: Dibromofluoromethane	96.1	% 61.3-14	2						
Surrogate: Toluene-d8	102 9	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	103 9	% 65.7-14	I						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Anatyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1640	16.0	08/13/2013	ND	432	108	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	B\$	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/13/2013	ND	183	91.5	200	5.98	
DRO >C10-C28	<10.0	10.0	08/13/2013	ND	191	95.7	200	6.03	
Surrogate: 1-Chlorooctane	87.7	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	99.7	% 63.6-15	4						

Cardinal Laboratories *=Accredited Analyte

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Celeg E. Keine

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

LINN ENERGY BRIAN WALL RR1, BOX 24 B KINGFISHER OK, 73750

Fax To:

(405) 375-6693

Analyzed By: MS

Received:

08/09/2013

Sampling Date:

08/09/2013

Reported:

08/20/2013

Sampling Type:

Soil

Project Name:

SKELLY B BATTERY

Sampling Condition: Sample Received By: Cool & Intact Jodi Henson

Project Number:

NONE GIVEN

NOT GIVEN

Project Location:

Sample ID: SB	1	75'	(H301895-02)
BTEX 8260B			mg/kg

14197	<u>~9</u>	Andryze	a by: 145					
Result .	Reporting Limit	Anatyzed	Method Blank	B\$	% Recovery	True Value QC	RPD	Qualifier
<0.050	0.050	08/15/2013	ND	2.15	108	2.00	3.67	
<0.050	0.050	08/15/2013	ND	2.16	108	2.00	4.83	
<0.050	0.050	08/15/2013	ND	2.10	105	2.00	4.57	
< 0.150	0.150	08/15/2013	ND	6.24	104	6.00	4.81	
<0.300	0.300	08/15/2013	ND					
95.6	% 61.3-14.	2					•	
104 9	6 71.3-12	9						
104 9	65.7-14	1						
mg/	kg	Analyze	d By: AP					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
480	16.0	08/13/2013	ND	432	108	400	3.77	
mg/	kg .	Analyze	d By: DW					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<10.0	10.0	08/13/2013	ND	183	91.5	200	5.98	
<10.0	10.0	08/13/2013	ND	191	95.7	200	6.03	
91.03	% 65.2-14)						
	Result	<0.050 0.050 <0.050 0.050 <0.050 0.050 <0.050 0.050 <0.150 0.150 <0.300 0.300 95.6% 61.3-14. 104% 71.3-129 104% 65.7-14. mg/kg Result Reporting Limit 480 16.0 mg/kg Result Reporting Limit <10.0 10.0	Result Reporting Limit Analyzed <0.050	Result Reporting Limit Analyzed Method Blank <0.050	Result Reporting Limit Analyzed Method Blank BS <0.050	Result Reporting Limit Analyzed Method Blank BS % Recovery < 0.050	Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC < 0.050	Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD < 0.050

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*=Accredited Analyte

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Celey L. Kuna

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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Celey L. Keens

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (676) 393-2476

			ANALYSIS REQUEST
Project Manager: Project Manager:		P.O. #:	
		Company:	-
City: State:	Zip:	Attn:	
Phone #: Fax #:		Address 7 M	
Project #: Project Owner:		City:	
Project Name: S. Kelly S. S. S. S. Les		State: Zip:	
Project Location: Malhaman		Phone #:	
Sampler Name: L. BANTORT		Fax#:	
	MATRIX	PRESERV. SAMPLING	8
	ERS ATER		i de
Harriage 5	G)RAB OF CONTAIN ROUNDV WASTEWA GOIL DIL SLUDGE	OTHER: ACID/BASE CE/COOL OTHER: DATE	Clafe IPH BTG
1 5122 45'	02 4	1 819/13	
2 381 25'	61 /	S/b/8	V V V
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Subject. At come in implication and experimental designation and experimental designation in the control of the	without limitation pushess interruptions	loss of use, or loss of broths grouped by client, he subs	distinct,
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PS - Bus - Other:

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