

July 11, 2013

GARY WINK

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 07/03/13 16:00.

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.tceq.texas.gov/field/qa/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.

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 Di Keine

Celey D. Keene Lab Director/Quality Manager



Analytical Results For:

LINN ENERGY GARY WINK RR1, BOX 24 B KINGFISHER OK, 73750 Fax To: (405) 375-6693

Received:	07/03/2013	Sampling Date:	06/25/2013
Reported:	07/11/2013	Sampling Type:	Soil
Project Name:	SKELLY B BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 4 14' (H301578-01)

BTEX 8021B	mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPĎ	Qualifier
Benzene*	<0.050	0.050	07/09/2013	ND	2.51	126	2.00	7.67	
Toluene*	<0.050	0.050	07/09/2013	ND	2.43	122	2.00	8.28	
Ethylbenzene*	<0.050	0.050	07/09/2013	ND	2.50	125	2.00	9.23	
Total Xylenes*	<0.150	0.150	07/09/2013	ND	7.47	124	6.00	8.81	
Total BTEX	<0.300	0.300	07/09/2013	ND					

Chloride, SM4500Cl-B mg/kg Analyzed By: AP Qualifier Analyte Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Result Chloride 816 16.0 07/10/2013 ND 416 104 400 0.00 **TPH 8015M** mg/kg Analyzed By: MS RPD Qualifier Analyte Result Reporting Limit Analyzed Method Blank 85 % Recovery True Value QC GRO C6-C10 <10.0 10.0 07/09/2013 ND 201 100 200 2.08 07/09/2013 ND 212 106 200 5.52 DRO >C10-C28 <10.0 10.0 Surrogate: 1-Chlorooctane 94.8 % 65.2-140

Surrogate: 1-Chlorooctadecane 99.9 % 63.6-154

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*=Accredited Analyte

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Celey Li Keine

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 SM4500CI-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 D. Keene, Lab Director/Quality Manager

