Bratcher, Mike, EMNRD

From: Sent: Michael Stubblefield [mstubblefield@talonlpe.com]

Wednesday, September 28, 2011 8:51 AM

To:

Bratcher, Mike, EMNRD

Cc:

mbarrett@limerockresources.com.; Jerry Smith

Subject:

FW: CONDOR B FEDERAL NO 1H TANK BATTERY

Attachments:

H102026 TALON.pdf

Dear Mr. Mike Bratcher,

Talon/LPE is sending you the analytical results for the soil samples collected on 9/22/2011 at the Condor 8 Federal No. 1H battery.

Please review the analytical results, Lime Rock Resources is requesting permission to start backfilling the excavated area with new soil.

Sincerely,

Mike Stubblefield

Talon/LPE

Project Manager

From: Celey Keene [mailto:celey.keene@cardinallabsnm.com]

Sent: Friday, September 23, 2011 3:53 PM

To: Michael Stubblefield

Cc: David Adkins

Subject: CONDOR B FEDERAL NO 1H TANK BATTERY

THANK YOU,

Celey Keene
Lab Director
Cardinal Laboratories
101 East Marland
Hobbs, NM 88240
T: (575) 393-2326

T: (575) 393-2326 F: (575) 393-2476

e-mail: celey.keene@cardinallabsnm.com



September 23, 2011

MIKE STUBBLEFIELD

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: CONDOR 8 FEDERAL NO. 1H TANK BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 09/22/11 12:04.

Cardinal Laboratories is accredited through Texas NELAP for:

Method SW-846 8021

Benzene, Toluene, Ethyl Benzene, and Total Xylenes

Method SW-846 8260

Benzene, Toluene, Ethyl Benzene, and Total Xylenes

Method TX 1005

Total Petroleum Hydorcarbons

Certificate number T104704398-08-TX. Accreditation applies to solid and chemical materials and non-potable water matrices.

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 (V2, V3)

Accreditation applies to public drinking water matrices.

Celeg & Keine

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



TALON LPE MIKE STUBBLEFIELD 408 W. TEXAS AVE. ARTESIA NM, 88210

Fax To:

(575) 745-8905

Received:

09/22/2011

Sampling Date:

09/22/2011

Reported:

Sampling Type:

Soil

09/23/2011

Sampling Condition:

Cool & Intact

Project Name:

CONDOR 8 FEDERAL NO. 1H TANK BATT

Project Number:

Sample Received By:

Jodi Henson

Project Location:

SEC.8-T18S - R27E

Sample ID: S-1 BOTTOM EXCAVATION (H102026-01)

BTEX 8021B	mg/	kg	Analyze	d By: CMS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/23/2011	ND	2.21	110	2.00	1.34	
Toluene*	0.061	0.050	09/23/2011	ND	2.10	105	2.00	1.28	
Ethylbenzene*	0.121	0.050	09/23/2011	ND	2.10	105	2.00	1.79	
Total Xylenes*	0.388	0.150	09/23/2011	ND	6.27	105	6.00	1.90	
Surrogate: 4-Bromofluorobenzene (PIL	128 !	% 64.4-13	4			-			
TPH 8015M	mg,	/kg	Analyze	d By: ab					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/22/2011	ND	171	85.7	200	0.252	
DRO >C10-C28	154	10.0	09/22/2011	ND	165	82.7	200	0.260	
Surrogate: 1-Chlorooctane	111	% 55.5-15	i <i>4</i>						
Surrogate: 1-Chlorooctadecane	113	% 57.6-15	38						

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*=Accredited Analyte

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Celeg & Kune



TALON LPE MIKE STUBBLEFIELD 408 W. TEXAS AVE. ARTESIA NM, 88210

Fax To: (575) 745-8905

Received:

09/22/2011

Sampling Date:

09/22/2011

Reported:

09/23/2011

Sampling Type:

Soil

Project Name:

CONDOR 8 FEDERAL NO. 1H TANK BATT

Sampling Condition:

Cool & Intact

Project Number:

7

Sample Received By:

Jodi Henson

Project Number:
Project Location:

SEC.8-T18S - R27E

Sample ID: S-2 NORTHSIDE WALL (H102026-02)

BTEX 8021B	mg/	kg	Analyze	d By: CMS			. <u> </u>		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/23/2011	ND	2.21	110	2.00	1.34	
Toluene*	0.057	0.050	09/23/2011	ND	2.10	105	2.00	1.28	
Ethylbenzene*	0.099	0.050	09/23/2011	ND	2.10	105	2.00	1.79	•
Total Xylenes*	0.294	0.150	09/23/2011	ND	6.27	105	6.00	1.90	
Surrogate: 4-Bromofluorobenzene (PIL	1179	64.4-13	4	-					
TPH 8015M	mg/	kg	Analyze	d By: ab		,emu			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/22/2011	ND	171	85.7	200	0.252	
DRO >C10-C28	27.3	10.0	09/22/2011	ND	165	82.7	200	0.260	
Surrogate: 1-Chlorooctane	108 5	% 55.5-15	4						
Surrogate: 1-Chlorooctadecane	99.9	% 57.6-15	8						

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Celeg Dikens



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Received: Reported: 09/22/2011

09/23/2011

SEC.8-T18S - R27E

CONDOR 8 FEDERAL NO. 1H TANK BATT

Project Number:

Project Name:

Project Location:

Sampling Date:

09/22/2011

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Jodi Henson

Sample Received By:

Sample ID: S-3 EASTSIDE WALL (H102026-03)

BTEX 8021B	mg/	kg	Analyze	d By: CMS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/23/2011	ND	2.21	110	2.00	1.34	
Toluene*	<0.050	0.050	09/23/2011	ND	2.10	105	2.00	1.28	
Ethylbenzene*	<0.050	0.050	09/23/2011	ND	2.10	105	2.00	1.79	
Total Xylenes*	<0.150	0.150	09/23/2011	ND	6.27	105	6.00	1.90	
Surrogate: 4-Bromofluorobenzene (PIL	108 9	% 64.4-13	4						
TPH 8015M	mg/	kg	Analyze	d By: ab					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/22/2011	ND	171	85.7	200	0.252	
DRO >C10-C28	82.8	10.0	09/22/2011	ND	165	82.7	200	0.260	
Surrogate: 1-Chlorooctane	106 9	% 55.5-15	4						
Surrogate: 1-Chlorooctadecane	94.2	% 57.6-15	8						

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Celeg Druna

Celey D. Keene, Lab Director/Quality Manager



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Received:

09/22/2011

Sampling Date:

09/22/2011

Reported:

Sampling Type:

Soil

09/23/2011

Sampling Condition:

Cool & Intact

Project Name:

CONDOR 8 FEDERAL NO. 1H TANK BATT

Sample Received By:

Jodi Henson

Project Number: Project Location:

SEC.8-T18S - R27E

Sample ID: S-4 SOUTHSIDE WALL (H102026-04)

BTEX 8021B	mg/	kg	Analyze	d By: CMS			<u></u>		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/23/2011	ND	2.21	110	2.00	1.34	
Toluene*	0.082	0.050	09/23/2011	ND	2.10	105	2.00	1.28	
Ethylbenzene*	<0.050	0.050	09/23/2011	ND	2.10	105	2.00	1.79	
Total Xylenes*	<0.150	0.150	09/23/2011	ND	6.27	105	6.00	1.90	
Surrogate: 4-Bromofluorobenzene (PIL	106 9	% 64.4-13	4						
TPH 8015M	mg/	kg	Analyze	d By: ab					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/22/2011	ND	171	85.7	200	0.252	
DRO >C10-C28	11.6	10.0	09/22/2011	ND	165	82.7	200	0.260	
Surrogate: 1-Chlorooctane	113	% 55.5-15	4						
Surrogate: 1-Chlorooctadecane	104 9	% 57.6-15	8						

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Celeg & Keene

Celey D. Keene, Lab Director/Quality Manager



TALON LPE MIKE STUBBLEFIELD 408 W. TEXAS AVE. ARTESIA NM, 88210

Fax To:

(575) 745-8905

Received:

09/22/2011

Sampling Date:

09/22/2011

Reported:

09/23/2011

Sampling Type:

Soil

CONDOR 8 FEDERAL NO. 1H TANK BATT

Sampling Condition:

Cool & Intact

Project Name:

Sample Received By:

Jodi Henson

Project Number: Project Location:

SEC.8-T18S - R27E

105 %

57.6-158

Sample ID: S-5 WESTSIDE WALL (H102026-05)

esult	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	Tours Malura OC	000	0 1:5
		•	ricaroa biarik	0.5	76 Recovery	True Value QC	RPD	Qualifier
0.050	0.050	09/23/2011	ND	2.21	110	2.00	1.34	
0.050	0.050	09/23/2011	ND	2.10	105	2.00	1.28	
0.050	0.050	09/23/2011	ND	2.10	105	2.00	1.79	
).150	0.150	09/23/2011	ND	6.27	105	6.00	1.90	
109 %	64.4-13	4						
mg/	kg	Analyze	d By: ab					
esult	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
10.0	10.0	09/22/2011	ND	171	85.7	200	0.252	
594	10.0	09/22/2011	ND	165	82.7	200	0.260	
)	1.050 1.050 1.150 109 % mg/ esult 10.0	0.050 0.050 0.050 0.050 0.150 0.150 0.160 0.150 0.170 64.4-13-13-13-13-13-13-13-13-13-13-13-13-13-	0.050 0.050 09/23/2011 0.050 0.050 09/23/2011 0.150 0.150 09/23/2011 0.09% 64.4-134 0.09/23/2011 0.09% Analyze 0.050 0.050 09/23/2011 0.09% 64.4-134 0.09/22/2011	1.050 0.050 09/23/2011 ND 1.050 0.050 09/23/2011 ND 1.150 0.150 09/23/2011 ND 1.09 % 64.4-134 1.09 Method Blank 1.00 10.0 09/22/2011 ND	1.050 0.050 09/23/2011 ND 2.10 1.050 0.050 09/23/2011 ND 2.10 1.150 0.150 09/23/2011 ND 6.27 1.09 % 64.4-134 1.09 Method Blank BS 10.0 10.0 09/22/2011 ND 171	1.050 0.050 09/23/2011 ND 2.10 105 1.050 0.050 09/23/2011 ND 2.10 105 1.150 0.150 09/23/2011 ND 6.27 105 1.09 % 64.4-134 1.09 Mg Analyzed By: ab Pesult Reporting Limit Analyzed Method Blank BS % Recovery 10.0 10.0 09/22/2011 ND 171 85.7	1.050 0.050 09/23/2011 ND 2.10 105 2.00 1.050 0.050 09/23/2011 ND 2.10 105 2.00 1.150 0.150 09/23/2011 ND 6.27 105 6.00 1.09 % 64.4-134 109 Mg Analyzed By: ab esult Reporting Limit Analyzed Method Blank BS % Recovery True Value QC 10.0 10.0 09/22/2011 ND 171 85.7 200	1.050 0.050 09/23/2011 ND 2.10 105 2.00 1.28 1.050 0.050 09/23/2011 ND 2.10 105 2.00 1.79 1.150 0.150 09/23/2011 ND 6.27 105 6.00 1.90 1.09 % 64.4-134 1.09 Method Blank BS % Recovery True Value QC RPD 1.00 10.0 09/22/2011 ND 171 85.7 200 0.252

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Surrogate: 1-Chlorooctadecane

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Celey D. Keine



TALON LPE MIKE STUBBLEFIELD 408 W. TEXAS AVE. ARTESIA NM, 88210

Fax To:

(575) 745-8905

Received:

09/22/2011

Sampling Date:

09/22/2011

Reported:

09/23/2011

Sampling Type:

Soil

CONDOR 8 FEDERAL NO. 1H TANK BATT

Sampling Condition:

Cool & Intact

Project Name:

Project Number: Project Location:

SEC.8-T18S - R27E

Sample Received By:

Jodi Henson

Sample ID: S-6 BOTTOM FLOWPATH (H102026-06)

BTEX 8021B	mg/	kg	Analyze	d By: CMS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/23/2011	ND	2.21	110	2.00	1.34	
Toluene*	<0.050	0.050	09/23/2011	ND	2.10	105	2.00	1.28	
Ethylbenzene*	<0.050	0.050	09/23/2011	ND	2.10	105	2.00	1.79	
Total Xylenes*	<0.150	0.150	09/23/2011	ND	6.27	105	6.00	1.90	
Surrogate: 4-Bromofluorobenzene (PIL	1119	6 64.4-13	4						
ТРН 8015М	mg/	kg	Analyze	d By: ab		_			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/23/2011	ND	171	85.7	200	0.252	
DRO >C10-C28	792	10.0	09/23/2011	ND	165	82.7	200	0.260	
Surrogate: 1-Chlorooctane	1149	6 55.5-15	:4						
Surrogate: 1-Chlorooctadecane	106 9	6 57.6-15	8						

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Celeg & Keine



TALON LPE MIKE STUBBLEFIELD 408 W. TEXAS AVE. ARTESIA NM, 88210 Fax To: (575) 745-8905

Received:

09/22/2011

Sampling Date:

09/22/2011

Reported:

09/23/2011

Sampling Type:

Soil

Project Name:

CONDOR 8 FEDERAL NO. 1H TANK BATT

Sampling Condition:

Cool & Intact

Project Number: Project Location:

SEC.8-T18S - R27E

Sample Received By:

Jodi Henson

Sample ID: S-7 WESTSIDE WALL FLOWPATH (H102026-07)

% Recovery 110 105 105 105	True Value QC 2.00 2.00 2.00 6.00	1.34 1.28 1.79 1.90	Qualifier
105 105	2.00 2.00	1.28 1.79	
105	2.00	1.79	
105	6.00	1.90	
		1.50	
% Recovery	True Value QC	RPD	Qualifier
85.7	200	0.252	
82.7	200	0.260	
	85.7	85.7 200	85.7 200 0.252

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Celley D treens



TALON LPE MIKE STUBBLEFIELD 408 W. TEXAS AVE. ARTESIA NM, 88210 Fax To: (575) 745-8905

Received:

09/22/2011

Sampling Date:

09/22/2011

Reported:

Sampling Type:

Soil

09/23/2011

Project Name:

CONDOR 8 FEDERAL NO. 1H TANK BATT

Sampling Condition:

Cool & Intact

Project Number:

Sample Received By:

Jodi Henson

Project Location:

SEC.8-T18S - R27E

Sample ID: S-8 EASTSIDE WALL FLOWPATH (H102026-08)

BTEX 8021B	mg/	kg	Analyze	d By: CMS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/23/2011	ND	2.21	110	2.00	1.34	
Toluene*	0.074	0.050	09/23/2011	ND	2.10	105	2.00	1.28	
Ethylbenzene*	<0.050	0.050	09/23/2011	ND	2.10	105	2.00	1.79	
Total Xylenes*	<0.150	0.150	09/23/2011	ND	6.27	105	6.00	1.90	
Surrogate: 4-Bromofluorobenzene (PIL	109	% 64.4-13	14						
TPH 8015M	mg/	'kg	Analyze	d By: ab					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	85	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/23/2011	ND	171	85.7	200	0.252	
DRO >C10-C28	556	10.0	09/23/2011	ND	165	82.7	200	0.260	
Surrogate: 1-Chlorooctane	108	% 55.5-15	i <i>4</i>						
Surrogate: 1-Chlorooctadecane	97.0	% 57.6-15	58						

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Celeg & Kune



TALON LPE MIKE STUBBLEFIELD 408 W. TEXAS AVE. ARTESIA NM, 88210 (575) 745-8905 Fax To:

Received:

09/22/2011

Sampling Date:

09/22/2011

Reported:

Sampling Type:

Soil

09/23/2011

Project Name:

CONDOR 8 FEDERAL NO. 1H TANK BATT

Sampling Condition:

Cool & Intact

Project Number: Project Location:

SEC.8-T18S - R27E

Sample Received By:

Jodi Henson

Sample ID: S-9 BOTTOM FLOWPATH (H102026-09)

BTEX 8021B	mg/	kg	Analyze	d By: CMS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/23/2011	ND	2.21	110	2.00	1.34	
Toluene*	<0.050	0.050	09/23/2011	ND	2.10	105	2.00	1.28	
Ethylbenzene*	<0.050	0.050	09/23/2011	ND	2.10	105	2.00	1.79	
Total Xylenes*	<0.150	0.150	09/23/2011	ND	6.27	105	6.00	1.90	
Surrogate: 4-Bromofluorobenzene (PIL	110 9	% 64.4-13	4						
TPH 8015M	mg/	kg	Analyze	d By: ab					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/23/2011	ND	171	85.7	200	0.252	
DRO >C10-C28	121	10.0	09/23/2011	ND	165	82.7	200	0.260	
Surrogate: 1-Chlorooctane	100	% 55.5-15	4				, , , , , , , , , , , , , , , , , , , ,		
Surrogate: 1-Chlorooctadecane	98.9	% 57.6-15	8						

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ND

Notes and Definitions

Analyte NOT DETECTED at or above the reporting limit Relative Percent Difference RPD 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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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs; NW 88240 1575) 393-2326 EAV (575) 393-2476

	(575) 393-2326 FAX (575) 39	3-2476				Maria Maria
Company Name:	Talon/LPE	. Name +	FILL 70		ANALYSIS REQUEST	
Project Manager	mike Stubble hield		P.O. #:			
Address:	408 WIST TOKOS AVE		Company: Line Roile	Res.		
City:	Adesia State:	NM Zip: 88.210	Attn:			
Phone #:	575-441-7254 Fax#:		Address:	2002		
Project#:	2 Project	Owner:	City:			
Project Name:	Condor 8 Federal No	o 1 H Tunk Sattery	State: Zip:			
Project Location			Phone #:			
Sampler Name:	mea (stillfill		Fax #:			
Lab I.D.	Sample I.D.	(G)RAB OR.(C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL SOIL SI	OTHER: OTHER: OTHER: OTHER: OTHER: OTHER:	3 TIME	8021 BTEX	
1	5.1 bottom excavation		9/22/11 0		VV	
21:	5-2 North side wall	g v	9/22/11 9	···		
3	5-3 east side wall	a	y 9/22/11 q			
<u> </u>	5.3 eastside vall 5.4 southeide wall	g	V 9/22/11 9			
5 5	5.5 west side wall	4	1 9/22/11 9	:52 A	V V	
<u>د</u> کا ۔۔۔۔۔	6 bottom flowporth 5-7 westside wall flowporth 5-8 easterile wall flowporth 6-9 bottom flowporth	av	9/22/11 5		<u> </u>	
	5-7 westerdr wall flowpath		1 9/22/11 10		Y Y S S	
75 3	5-8 easterle wall flowpath		V 9/22/11/0		/	
	5.9 bottom flow paid		V 9/22/11/10	0.00 R 1	<u> </u>	
EASE NOTE: Liability and inlyses: All claims including ty'ce. In no event shall Can illates or succassois arising	Donages. Cardinals liability and clent's evolutive or those for neighbornes and any other cause visitative simal be hable, for incidently or emberguental damages, out of or related to the settermance of services hare.	r stadt befunefiled typided uniosa mirde in writing (. including vidnost limitation, invaluess interruption inder by Carding, renatificae, of whether such clair	ard rectived by Cajdmal velbar 30 days after co s flose of use, or loss at profits insured by ofen in is based upon any of the editive stated resso	t, ita sübsüdərles. 15.01 olhqryfad,	9,	
Relinquished By: TOUS (Colinquished By:	9 22	ZOII Received By:	#: ii 47.2	hone Result: ax Result: EMARKS:	☐ Yes □ Mo _Add1Fax#:	
Delivered By:	Time:		2000 (F)	RI	USH!!	
Sampler - UPS =	Bus - Other	Sample Cond Sample Cond Cool Intact No No N	ition CHECITED BY: (Initials) cs (io	· · · · · · · · · · · · · · · · · · ·		
† Cardinal c	annot accept verbal changes. I	Plaase fãx writteri changes to	505-363-24764 26			Page 1