

**Bratcher, Mike, EMNRD**

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**From:** ctipton@btaoil.com  
**Sent:** Tuesday, February 22, 2011 4:07 PM  
**To:** Bratcher, Mike, EMNRD  
**Subject:** Fw: PARDUE D #2  
**Attachments:** H100245 BTA.pdf

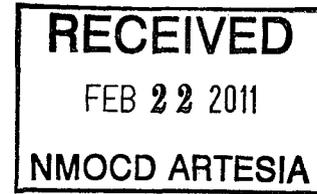
Sent from my BlackBerry Smartphone provided by Alltel

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**From:** Celey Keene <[celey.keene@cardinallabsnm.com](mailto:celey.keene@cardinallabsnm.com)>  
**Date:** Mon, 14 Feb 2011 17:16:05 -0700  
**To:** Clay Tipton<[ctipton@btaoil.com](mailto:ctipton@btaoil.com)>; <[srusk@windstream.net](mailto:srusk@windstream.net)>  
**Subject:** PARDUE D #2

THANK YOU,

**Celey Keene**  
**Lab Director**  
**Cardinal Laboratories**  
**101 East Marland**  
**Hobbs, NM 88240**  
**T: (575) 393-2326**  
**F: (575) 393-2476**  
**e-mail: [celey.keene@cardinallabsnm.com](mailto:celey.keene@cardinallabsnm.com)**



February 14, 2011

CLAY TIPTON  
BTA Oil Producers  
103 South Pecos  
Midland, TX 79701

RE: PARDUE D 2

Enclosed are the results of analyses for samples received by the laboratory on 02/08/11 13:17.

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 Hydrocarbons

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

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 (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 D. Keene  
Lab Director/Quality Manager

**Analytical Results For:**

BTA Oil Producers  
 CLAY TIPTON  
 103 South Pecos  
 Midland TX, 79701  
 Fax To: (432) 683-0312

Received:	02/08/2011	Sampling Date:	02/08/2011
Reported:	02/14/2011	Sampling Type:	Soil
Project Name:	PARDUE D 2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

**Sample ID: SP 1 @ 3' (H100245-01)**

BTEX 8021B		mg/kg		Analyzed By: CMS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Benzene*</b>	<b>0.160</b>	0.050	02/09/2011	ND	2.02	101	2.00	1.63		
<b>Toluene*</b>	<b>0.061</b>	0.050	02/09/2011	ND	2.01	101	2.00	1.67		
Ethylbenzene*	<0.050	0.050	02/09/2011	ND	2.05	103	2.00	1.51		
Total Xylenes*	<0.150	0.150	02/09/2011	ND	6.09	101	6.00	0.436		

Surrogate: 4-Bromofluorobenzene (PIL) 99.4 % 70-130

Chloride, SM4500Cl-B		mg/kg		Analyzed By: LR						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Chloride</b>	<b>192</b>	16.0	02/09/2011	ND	416	104	400	3.77		

TPH 418.1		mg/kg		Analyzed By: AB						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
TPH 418.1	<100	100	02/14/2011	ND	1320	111	1190	2.99		

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

BTA Oil Producers  
 CLAY TIPTON  
 103 South Pecos  
 Midland TX, 79701  
 Fax To: (432) 683-0312

Received: 02/08/2011  
 Reported: 02/14/2011  
 Project Name: PARDUE D 2  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

Sampling Date: 02/08/2011  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: SP 2 @ 3' (H100245-02)**

BTEX 8021B		mg/kg		Analyzed By: CMS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Benzene*</b>	<b>0.060</b>	0.050	02/09/2011	ND	2.02	101	2.00	1.63		
Toluene*	<0.050	0.050	02/09/2011	ND	2.01	101	2.00	1.67		
Ethylbenzene*	<0.050	0.050	02/09/2011	ND	2.05	103	2.00	1.51		
Total Xylenes*	<0.150	0.150	02/09/2011	ND	6.09	101	6.00	0.436		

Surrogate: 4-Bromofluorobenzene (PIL) 94.9 % 70-130

Chloride, SM4500Cl-B		mg/kg		Analyzed By: LR						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Chloride</b>	<b>1420</b>	16.0	02/09/2011	ND	416	104	400	3.77		

TPH 418.1		mg/kg		Analyzed By: AB						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
TPH 418.1	<100	100	02/14/2011	ND	1320	111	1190	2.99		

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

BTA Oil Producers  
 CLAY TIPTON  
 103 South Pecos  
 Midland TX, 79701  
 Fax To: (432) 683-0312

Received: 02/08/2011  
 Reported: 02/14/2011  
 Project Name: PARDUE D 2  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

Sampling Date: 02/08/2011  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: SP 3 @ 3' (H100245-03)**

BTEX 8021B		mg/kg		Analyzed By: CMS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/09/2011	ND	2.02	101	2.00	1.63		
Toluene*	<0.050	0.050	02/09/2011	ND	2.01	101	2.00	1.67		
Ethylbenzene*	<0.050	0.050	02/09/2011	ND	2.05	103	2.00	1.51		
Total Xylenes*	<0.150	0.150	02/09/2011	ND	6.09	101	6.00	0.436		

Surrogate: 4-Bromofluorobenzene (PIL) 100 % 70-130

Chloride, SM4500Cl-B		mg/kg		Analyzed By: LR						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<b>4480</b>	16.0	02/09/2011	ND	416	104	400	3.77		

TPH 418.1		mg/kg		Analyzed By: AB						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
TPH 418.1	<100	100	02/14/2011	ND	1320	111	1190	2.99		

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

BTA Oil Producers  
 CLAY TIPTON  
 103 South Pecos  
 Midland TX, 79701  
 Fax To: (432) 683-0312

Received: 02/08/2011  
 Reported: 02/14/2011  
 Project Name: PARDUE D 2  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

Sampling Date: 02/08/2011  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: SP 4 @ 3' (H100245-04)**

BTEX 8021B		mg/kg		Analyzed By: CMS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/09/2011	ND	2.02	101	2.00	1.63		
Toluene*	<0.050	0.050	02/09/2011	ND	2.01	101	2.00	1.67		
Ethylbenzene*	<0.050	0.050	02/09/2011	ND	2.05	103	2.00	1.51		
Total Xylenes*	<0.150	0.150	02/09/2011	ND	6.09	101	6.00	0.436		

Surrogate: 4-Bromofluorobenzene (PIL) 96.9 % 70-130

Chloride, SM4500Cl-B		mg/kg		Analyzed By: LR						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3080	16.0	02/09/2011	ND	416	104	400	3.77		

TPH 418.1		mg/kg		Analyzed By: AB						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
TPH 418.1	<100	100	02/14/2011	ND	1320	111	1190	2.99		

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

BTA Oil Producers  
 CLAY TIPTON  
 103 South Pecos  
 Midland TX, 79701  
 Fax To: (432) 683-0312

Received: 02/08/2011  
 Reported: 02/14/2011  
 Project Name: PARDUE D 2  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

Sampling Date: 02/08/2011  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: SP 5 @ 3' (H100245-05)**

BTEX 8021B		mg/kg		Analyzed By: CMS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/09/2011	ND	2.02	101	2.00	1.63		
Toluene*	<0.050	0.050	02/09/2011	ND	2.01	101	2.00	1.67		
Ethylbenzene*	<0.050	0.050	02/09/2011	ND	2.05	103	2.00	1.51		
Total Xylenes*	<0.150	0.150	02/09/2011	ND	6.09	101	6.00	0.436		

Surrogate: 4-Bromofluorobenzene (PIL) 111 % 70-130

Chloride, SM4500Cl-B		mg/kg		Analyzed By: LR						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	688	16.0	02/09/2011	ND	416	104	400	3.77		

TPH 418.1		mg/kg		Analyzed By: AB						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
TPH 418.1	<100	100	02/14/2011	ND	1320	111	1190	2.99		

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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 D. Keene, Lab Director/Quality Manager



**CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

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

Company Name: <b>BTA Oil Producers</b>				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>																	
Project Manager: <b>Clay Tipton</b>				P.O. #:																					
Address:				Company: <b>BTA Oil</b>																					
City:		State:		Zip:		Attn: <b>Clay Tipton</b>																			
Phone #:		Fax #:		Address:																					
Project #:		Project Owner:		City:																					
Project Name: <b>Parque D#2</b>				State:																Zip:					
Project Location:				Phone #:																					
Sampler Name: <b>Shannon Rust</b>				Fax #:				<b>TPH 411.1</b> <b>BTEX</b> <b>CL</b>																	
FOR LAB USE ONLY																									
Lab I.D.	Sample I.D.	GRAB OR (C)OMP.	# CONTAINERS	MATRIX																PRESERV.		SAMPLING			
				GROUNDWATER	WASTEWATER	SOIL	OIL													SLUDGE	OTHER	ACID/BASE	ICE / COOL	OTHER	DATE
H100245-1	SP 1 @ 3'	I	1																					1-8-11	10:00
2	SP 2 @ 3'	I	1																						
3	SP 3 @ 3'	I	1																						
4	SP 4 @ 3'	I	1																						
5	SP 5 @ 3'	I	1																						

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Relinquished By: <i>[Signature]</i>		Date: <b>2-8-11</b>		Received By: <i>[Signature]</i>		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:	
Time: <b>1:17</b>						Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #:	
Relinquished By:		Date:		Received By:		REMARKS: <b>SRWSK@windstream.net</b>	
Time:							
Delivered By: (Circle One)				Sample Condition		CHECKED BY: (Initials)	
Sampler - UPS - Bus - Other:				Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No		<b>GR</b>	
				<b>-0.5°</b>		<b>602-1931 Shannon</b>	

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

*#26*