

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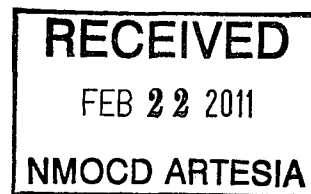
**From:** Celey Keene <[celey.keene@cardinallabsnm.com](mailto:celey.keene@cardinallabsnm.com)>  
**Date:** Mon, 14 Feb 2011 17:16:05 -0700  
**To:** Clay Tipton<[ctipton@btaoil.com](mailto:ctipton@btaoil.com)>; <[srusk@windstream.net](mailto:srusk@windstream.net)>  
**Subject:** PARDUE D #2

THANK YOU,

**Celey Keene**  
**Lab Director**  
**Cardinal Laboratories**  
101 East Marland  
Hobbs, NM 88240  
T: (575) 393-2326  
F: (575) 393-2476  
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PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240



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  
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 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
Benzene*	0.160	0.050	02/09/2011	ND	2.02	101	2.00	1.63	
Toluene*	0.061	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	
Chloride	192	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)**

BTX 8021B		mg/kg		Analyzed By: CMS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.060	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
Chloride	1420	16.0	02/09/2011	ND	416	104	400	3.77	
TPH 418.1	mg/kg		Analyzed By: AB						

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



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

### 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	4480	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. #:				<div style="display: flex; flex-direction: column; align-items: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TPH 4/18/1</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">BTEx</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">CL</div> </div>														
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 #:																		
FOR LAB USE ONLY				MATRIX		PRESERV.		SAMPLING														
Lab I.D.	Sample I.D.	GRAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	ISOIL	OIL	SLUDGE	OTHER	ACID/BASE	ICE / COOL	OTHER	DATE	TIME								
H100245-1	SP 1 @ 3'	I	1			X							1-2-11	10:00								
2	SP 2 @ 3'	I	1			X																
3	SP 3 @ 3'	I	1			X																
4	SP 4 @ 3'	I	1			X																
5	SP 5 @ 3'	I	1			X																

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

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

*#26*