

August 05, 2014

BRUCE BAKER

APACHE - EUNICE

P. O. BOX 1849

EUNICE, NM 88231

RE: TONY FEDERAL #28

Enclosed are the results of analyses for samples received by the laboratory on 07/29/14 14:45.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. 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/ga/lab_accred_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 D. Keine

Celey D. Keene Lab Director/Quality Manager



Analytical Results For:

APACHE - EUNICE BRUCE BAKER P. O. BOX 1849 EUNICE NM, 88231 Fax To: 394-2425

Received:	07/29/2014	Sampling Date:	07/28/2014
Reported:	08/05/2014	Sampling Type:	Soil
Project Name:	TONY FEDERAL #28	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Kathy Perez
Project Location:	NOT GIVEN		

Sample ID: PT. 1 @ SURFACE (H402321-01)

BTEX 8021B	mg/	kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.296	0.200	08/01/2014	ND	1.89	94.7	2.00	6.63	
Toluene*	3.86	0.200	08/01/2014	ND	1.89	94.5	2.00	5.95	
Ethylbenzene*	5.90	0.200	08/01/2014	ND	1.83	91.7	2.00	6.35	
Total Xylenes*	11.7	0.600	08/01/2014	ND	5.63	93.8	6.00	6.25	
Total BTEX	21.8	1.20	08/01/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	139 9	% 89.4-12	6						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	10800	16.0	08/01/2014	ND	416	104	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	328	50.0	07/30/2014	ND	189	94.6	200	10.2	
DRO >C10-C28	2000	50.0	07/30/2014	ND	211	106	200	16.6	
Surrogate: 1-Chlorooctane	101 9	65.2-14	0						
Surrogate: 1-Chlorooctadecane	126 9	63.6-15	4						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

APACHE - EUNICE BRUCE BAKER P. O. BOX 1849 EUNICE NM, 88231 Fax To: 394-2425

Received:	07/29/2014	Sampling Date:	07/28/2014
Reported:	08/05/2014	Sampling Type:	Soil
Project Name:	TONY FEDERAL #28	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Kathy Perez
Project Location:	NOT GIVEN		

Sample ID: PT. 2 @ SURFACE (H402321-02)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.200	0.200	08/01/2014	ND	1.89	94.7	2.00	6.63	
Toluene*	0.473	0.200	08/01/2014	ND	1.89	94.5	2.00	5.95	
Ethylbenzene*	2.04	0.200	08/01/2014	ND	1.83	91.7	2.00	6.35	
Total Xylenes*	5.04	0.600	08/01/2014	ND	5.63	93.8	6.00	6.25	
Total BTEX	7.56	1.20	08/01/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	132	% 89.4-12	6						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1250	16.0	08/01/2014	ND	416	104	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	218	50.0	07/30/2014	ND	189	94.6	200	10.2	
DRO >C10-C28	3110	50.0	07/30/2014	ND	211	106	200	16.6	
Surrogate: 1-Chlorooctane	100	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	143	% 63.6-15	4						

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Analytical Results For:

APACHE - EUNICE BRUCE BAKER P. O. BOX 1849 EUNICE NM, 88231 Fax To: 394-2425

Received:	07/29/2014	Sampling Date:	07/28/2014
Reported:	08/05/2014	Sampling Type:	Soil
Project Name:	TONY FEDERAL #28	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Kathy Perez
Project Location:	NOT GIVEN		

Sample ID: PT. 3 @ SURFACE (H402321-03)

BTEX 8021B	mg	′kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/01/2014	ND	1.89	94.7	2.00	6.63	
Toluene*	0.103	0.050	08/01/2014	ND	1.89	94.5	2.00	5.95	
Ethylbenzene*	0.483	0.050	08/01/2014	ND	1.83	91.7	2.00	6.35	
Total Xylenes*	1.20	0.150	08/01/2014	ND	5.63	93.8	6.00	6.25	
Total BTEX	1.78	0.300	08/01/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	135	% 89.4-12	6						
Chloride, SM4500Cl-B	mg,	′kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	08/01/2014	ND	416	104	400	3.92	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	48.0	10.0	07/30/2014	ND	177	88.6	200	4.94	
DRO >C10-C28	1070	10.0	07/30/2014	ND	186	93.2	200	4.87	
Surrogate: 1-Chlorooctane	82.3	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	97.9	% 63.6-15	4						

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Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
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. Keine

Celey D. Keene, Lab Director/Quality Manager

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101 East Marland, Hobbs, NM 88240 2111 Beechwood, Abilene, TX 79603

Company Name:	ADAC MP	(040) 01010001	01 7718			ANA	ANALYSIS REC	REQUEST
Project Manager:	BLUCO BUKON	F	P.O. #:					
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FOR LAB USE ONLY			PRESERV. SAMPLING					
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† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476