

April 22, 2014

ZACK THOMAS
MEWBOURNE OIL COMPANY
P. O. BOX 5270
HOBBS, NM 88240

RE: ALLIED STATE #2

Enclosed are the results of analyses for samples received by the laboratory on 04/14/14 15:15.

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.

Celey D. 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

04/14/2014

Soil



Analytical Results For:

MEWBOURNE OIL COMPANY ZACK THOMAS P. O. BOX 5270 HOBBS NM, 88240

Fax To: (575) 937-6252

Received: 04/14/2014 Sampling Date: Reported: 04/22/2014 Sampling Type:

Project Name: ALLIED STATE #2 Sampling Condition: ** (See Notes)
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: EDDY COUNTY, NM

Sample ID: A2-1 (H401125-01)

BTEX 8021B	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/17/2014	ND	2.68	134	2.00	12.6	
Toluene*	0.140	0.050	04/17/2014	ND	2.55	127	2.00	13.1	
Ethylbenzene*	<0.050	0.050	04/17/2014	ND	2.53	126	2.00	14.0	
Total Xylenes*	<0.150	0.150	04/17/2014	ND	7.29	122	6.00	13.9	
Total BTEX	<0.300	0.300	04/17/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	120 %	6 89.4-12	6						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/16/2014	ND	400	100	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	<10.0	10.0	04/16/2014	ND	199	99.3	200	1.82	
DRO >C10-C28	11.9	10.0	04/16/2014	ND	218	109	200	2.81	
Surrogate: 1-Chlorooctane	117 %	65.2-14	0						
Surrogate: 1-Chlorooctadecane	107 9	63.6-15	4						

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keine



Analytical Results For:

MEWBOURNE OIL COMPANY **ZACK THOMAS** P. O. BOX 5270 HOBBS NM, 88240

Fax To: (575) 937-6252

Received: 04/14/2014 Sampling Date: 04/14/2014

Reported: 04/22/2014 Sampling Type: Soil

Project Name: ALLIED STATE #2 Sampling Condition: ** (See Notes) Sample Received By: Project Number: NONE GIVEN Jodi Henson

Project Location: EDDY COUNTY, NM

Sample ID: A2-2 (H401125-02)

BTEX 8021B	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.100	0.100	04/17/2014	ND	2.68	134	2.00	12.6	
Toluene*	0.166	0.100	04/17/2014	ND	2.55	127	2.00	13.1	
Ethylbenzene*	<0.100	0.100	04/17/2014	ND	2.53	126	2.00	14.0	
Total Xylenes*	<0.300	0.300	04/17/2014	ND	7.29	122	6.00	13.9	
Total BTEX	<0.600	0.600	04/17/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	120 9	% 89.4-12	6						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/16/2014	ND	400	100	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	<10.0	10.0	04/16/2014	ND	199	99.3	200	1.82	
DRO >C10-C28	103	10.0	04/16/2014	ND	218	109	200	2.81	
Surrogate: 1-Chlorooctane	118 9	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	112	% 63.6-15	4						

112 % Surrogate: 1-Chlorooctadecane 63.6-154

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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



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Me April Of Conferre		BILL TO	ANALYSIS REQUEST
rons		P.O. #:	
Address:		Company: Menteura Dillo	16.
City: State: 2	Zip:	Attn: Zoch Thoras	
Phone #: \$75-631-327 / Fax #:		Address:	
		City:	
Project Name: Allied State #2	1-	State: Zip:	
Project Location: Eddu (p. N.M.		Phone #: 575-631-3271	221
)		Fax #:	
		PRESERV. SAMPLING	<u>X</u>
Lab I.D. Sample I.D.	(G)RAB OR (C)OM # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER: ACID/BASE: ICE / COOL OTHER: DATE	TPH BTE
- A2-1	<		1 1 1 W
2 /A3-2	7	4 NFAI-D	180 V V V
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affiliate or successors arising out of or related to the performance of services hereunder by Cardinal regardless of whether such claim is based upon any of the above stated reasons or otherwise. Reclinquished By: Phone Result Phone Result	rdinal regardless of whether such claim is Received By:	s based upon any of the above stated reason	Dons or otherwise. Phone Result: □ Yes □ No Add'I Phone #: Fax Result: □ Yes □ No Add'I Fax #:
ع	Cai Ja	emon	
Relinquished By: Date:	Received By:		
Time:			
Delivered By: (Circle One)	Cool Intact	(Initials)	

Sampler - UPS - Bus - Other: