



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

February 09, 2015

GREG GREGSON

MARK L. SHIDLER

1313 CAMPBELL ROAD BLDG. D

HOUSTON, TX 77055

RE: NM STATE I-30

Enclosed are the results of analyses for samples received by the laboratory on 02/05/15 10:40.

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/qa/lab_accred_certif.html.

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 (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,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

MARK L. SHIDLER
GREG GREGSON
1313 CAMPBELL ROAD BLDG. D
HOUSTON TX, 77055
Fax To:

Received:	02/05/2015	Sampling Date:	02/05/2015
Reported:	02/09/2015	Sampling Type:	Soil
Project Name:	NM STATE I-30	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: TB #1 (H500329-01)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	02/06/2015	ND	432	108	400	3.77	
TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	10.6	10.0	02/06/2015	ND	195	97.3	200	2.01	
DRO >C10-C28	<10.0	10.0	02/06/2015	ND	193	96.3	200	9.21	
Surrogate: 1-Chlorooctane	105 %	47.2-157							
Surrogate: 1-Chlorooctadecane	81.4 %	52.1-176							

Sample ID: TB #2 (H500329-02)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	02/06/2015	ND	432	108	400	3.77		
TPH 8015M		mg/kg		Analyzed By: MS						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	902	50.0	02/06/2015	ND	195	97.3	200	2.01		
DRO >C10-C28	3610	50.0	02/06/2015	ND	193	96.3	200	9.21		
Surrogate: 1-Chlorooctane	191 %	47.2-157								
Surrogate: 1-Chlorooctadecane	96.1 %	52.1-176								

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

MARK L. SHIDLER
GREG GREGSON
1313 CAMPBELL ROAD BLDG. D
HOUSTON TX, 77055
Fax To:

Received:	02/05/2015	Sampling Date:	02/05/2015
Reported:	02/09/2015	Sampling Type:	Soil
Project Name:	NM STATE I-30	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: TB #3 (H500329-03)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	02/06/2015	ND	432	108	400	3.77	
TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	13.1	10.0	02/06/2015	ND	195	97.3	200	2.01	
DRO >C10-C28	95.1	10.0	02/06/2015	ND	193	96.3	200	9.21	
Surrogate: 1-Chlorooctane									
	100 %	47.2-157							
Surrogate: 1-Chlorooctadecane									
	86.0 %	52.1-176							

Sample ID: TB #4 (H500329-04)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	02/06/2015	ND	432	108	400	3.77	
TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/06/2015	ND	195	97.3	200	2.01	
DRO >C10-C28	41.3	10.0	02/06/2015	ND	193	96.3	200	9.21	
Surrogate: 1-Chlorooctane	113 %	47.2-157							
Surrogate: 1-Chlorooctadecane	113 %	52.1-176							

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

MARK L. SHIDLER
GREG GREGSON
1313 CAMPBELL ROAD BLDG. D
HOUSTON TX, 77055
Fax To:

Received:	02/05/2015	Sampling Date:	02/05/2015
Reported:	02/09/2015	Sampling Type:	Soil
Project Name:	NM STATE I-30	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: TB #5 (H500329-05)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	784	16.0	02/06/2015	ND	432	108	400	3.77		
TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	247	50.0	02/06/2015	ND	195	97.3	200	2.01		
DRO >C10-C28	3980	50.0	02/06/2015	ND	193	96.3	200	9.21		

Surrogate: 1-Chlorooctane 150 % 47.2-157
Surrogate: 1-Chlorooctadecane 113 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
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

Cardinal Laboratories

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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: Mark L. Shidler		BILL TO		ANALYSIS REQUEST																													
Project Manager: Gregg Gresson		P.O. #:																															
Address: 1313 Campbell Rd Bldg B		Company:																															
City: Houston		Attn:																															
State: TX		Address:																															
Zip: 77055		City:																															
Phone #: 713-705-0476		State:																															
Fax #: 713-705-0476		Zip:																															
Project #:		Project Owner:																															
Project Name: NM State 1-30		Phone #:																															
Project Location:		Fax #:																															
Sampler Name: Gary Morehead																																	
FOR LAB USE ONLY																																	
Lab I.D. #500529		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER :		ACID/BASE:		ICE / COOL		OTHER :		DATE		TIME		CL		TPH 8015	
1 TB#1		1		1		1		1		1		1		1		1		1		1		1		1		1		1		1		1	
2 TB#2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2	
3 TB#3		3		3		3		3		3		3		3		3		3		3		3		3		3		3		3		3	
4 TB#4		4		4		4		4		4		4		4		4		4		4		4		4		4		4		4		4	
5 TB#5		5		5		5		5		5		5		5		5		5		5		5		5		5		5		5		5	
Relinquished By: Gregg Gresson		Date: 2/5/15		Received By: Gregg Gresson		Date: 2/5/15		Time: 9:00		Time: 9:00																							
Delivered By: (Circle One)		Sample Condition		Checked By: GA																													
Sampler - UPS - Bus - Other: 2.22		Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/>		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>																											
Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326																																	