



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".

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, SM4500CI-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, SM4500CI-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, SM4500CI-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, SM4500CI-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	

<i>Surrogate: 1-Chlorooctane</i>	<i>150 %</i>	<i>47.2-157</i>
<i>Surrogate: 1-Chlorooctadecane</i>	<i>113 %</i>	<i>52.1-176</i>

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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



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

BILL TO

ANALYSIS REQUEST

Company Name: **Mark L. Shidler**
 Project Manager: **Gregg Gresson**
 Address: **1313 Campbell Rd Bldg B**
 City: **Houston** State: **TX** Zip: **77055**
 Phone #: **113-705-0478** Fax #:
 Project #: Project Owner:
 Project Name: **NM State 1-30** City: Address:
 Project Location: State: Zip:
 Sampler Name: **Gary Morehead** Phone #: Fax #:
 FOR LAB USE ONLY

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							DATE	TIME	REMARKS
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:			
#500529	TB#1		1			<input checked="" type="checkbox"/>					2/5/15	9:00	TPH 8015
	TB#2		1			<input checked="" type="checkbox"/>							
	TB#3		1			<input checked="" type="checkbox"/>							
	TB#4		1			<input checked="" type="checkbox"/>							
	TB#5		1			<input checked="" type="checkbox"/>							

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Relinquished By: **[Signature]** Date: **2/5/15** Time: **10:00**
 Received By: **[Signature]** Date: Time:

Delivered By: (Circle One)
 Sampler - UPS - Bus - Other: **2.22**

Sample Condition
 Cool Intact
 Yes No

CHECKED BY: **[Signature]**

Phone Result: Yes No Add'l Phone #:
 Fax Result: Yes No Add'l Fax #:

REMARKS: **ggresson@marklshidlerinc.com**

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326 #5754