



February 12, 2014

SHELDON HITCHCOCK

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: MERCURY

Enclosed are the results of analyses for samples received by the laboratory on 02/11/14 12:20.

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](http://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 cursive script that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager

**Analytical Results For:**

 TALON LPE  
 SHELDON HITCHCOCK  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

 Received: 02/11/2014  
 Reported: 02/12/2014  
 Project Name: MERCURY  
 Project Number: 700348.137.02  
 Project Location: NONE GIVEN

 Sampling Date: 02/10/2014  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: BG-1 0' (H400414-01)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>25600</b>	16.0	02/12/2014	ND	416	104	400	3.92	

**Sample ID: BG-1 6.5' (H400414-02)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>1250</b>	16.0	02/12/2014	ND	416	104	400	3.92	

**Sample ID: S-2 8.5' (H400414-03)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/11/2014	ND	2.34	117	2.00	4.12	
Toluene*	<0.050	0.050	02/11/2014	ND	2.32	116	2.00	3.68	
Ethylbenzene*	<0.050	0.050	02/11/2014	ND	2.30	115	2.00	4.18	
Total Xylenes*	<0.150	0.150	02/11/2014	ND	6.76	113	6.00	3.04	
Total BTEX	<0.300	0.300	02/11/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 120 % 89.4-126

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>1470</b>	16.0	02/12/2014	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 TALON LPE  
 SHELDON HITCHCOCK  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

 Received: 02/11/2014  
 Reported: 02/12/2014  
 Project Name: MERCURY  
 Project Number: 700348.137.02  
 Project Location: NONE GIVEN

 Sampling Date: 02/10/2014  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: S-2 8.5' (H400414-03)**

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	02/11/2014	ND	194	96.9	200	0.635	
DRO >C10-C28	<10.0	10.0	02/11/2014	ND	188	94.2	200	1.47	

*Surrogate: 1-Chlorooctane* 77.4 % 65.2-140

*Surrogate: 1-Chlorooctadecane* 80.2 % 63.6-154

**Sample ID: S-4 7' (H400414-04)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>640</b>	16.0	02/12/2014	ND	416	104	400	3.92	

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 TALON LPE  
 SHELDON HITCHCOCK  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	02/11/2014	Sampling Date:	02/11/2014
Reported:	02/12/2014	Sampling Type:	Soil
Project Name:	MERCURY	Sampling Condition:	Cool & Intact
Project Number:	700348.137.02	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

**Sample ID: S-6 7' (H400414-05)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/11/2014	ND	2.34	117	2.00	4.12		
Toluene*	<0.050	0.050	02/11/2014	ND	2.32	116	2.00	3.68		
Ethylbenzene*	<0.050	0.050	02/11/2014	ND	2.30	115	2.00	4.18		
Total Xylenes*	<0.150	0.150	02/11/2014	ND	6.76	113	6.00	3.04		
Total BTEX	<0.300	0.300	02/11/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 121 % 89.4-126

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Chloride</b>	<b>384</b>	16.0	02/12/2014	ND	416	104	400	3.92		

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	02/11/2014	ND	194	96.9	200	0.635		
DRO >C10-C28	<10.0	10.0	02/11/2014	ND	188	94.2	200	1.47		

Surrogate: 1-Chlorooctane 98.8 % 65.2-140

Surrogate: 1-Chlorooctadecane 101 % 63.6-154

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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



# CARDINAL Laboratories

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Talon/LPE

Project Manager: S. HITCHCOCK

Address: 408 W. Texas Ave.

City: Artesia

Phone #: 575-746-8768

Project #: 700348137.01

Project Name: Mendenhall

Project Location:

Sampler Name: S. Hitchcock

FOR LAB USE ONLY

P.O. #: **BILL TO**

Company: Talon/LPE

Attn:

Address:

City:

State:

Phone #:

Fax #:

ANALYSIS REQUEST

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	TPH	BTEX	Chlorides
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :					
1490414	BG-10'	G-1	1							2/10/14	8:46			
	BG-16.5'	G-1	1							2/10/14	8:59			
	S-2 8.5'	G-1	1							2/11/14	12:45			
	S-4 7'	G-1	1							2/11/14	10:21			
	S-6 7'	G-1	1							2/11/14	10:26			

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Relinquished By:

*Sheldon Mendenhall*

Date: 2/11/14

Received By: *S. Hitchcock*

Relinquished By:

*S. Hitchcock*

Phone Result:  Yes  No

Fax Result:  Yes  No

REMARKS: RUSH

Additional Phone #:

Additional Fax #:

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:  UPS

Sample Condition

Cool  Intact

Checked By: *S. Hitchcock*

Signature

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