



October 02, 2013

SHELDON HITCHCOCK

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: RHOMER #1 SWD

Enclosed are the results of analyses for samples received by the laboratory on 09/26/13 15:45.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. 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 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:	09/26/2013	Sampling Date:	09/25/2013
Reported:	10/02/2013	Sampling Type:	Soil
Project Name:	RHOMER #1 SWD	Sampling Condition:	Cool & Intact
Project Number:	701712.001.01	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: S-1 1' (H302351-01)

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	10/01/2013	ND	1.93	96.7	2.00	7.21	
Toluene*	<0.050	0.050	10/01/2013	ND	1.91	95.5	2.00	7.26	
Ethylbenzene*	<0.050	0.050	10/01/2013	ND	1.97	98.5	2.00	8.07	
Total Xylenes*	<0.150	0.150	10/01/2013	ND	5.83	97.1	6.00	7.93	
Total BTEX	<0.300	0.300	10/01/2013	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2200	16.0	09/30/2013	ND	400	100	400	0.00	

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	09/28/2013	ND	195	97.5	200	11.3	
DRO >C10-C28	17.1	10.0	09/28/2013	ND	185	92.3	200	5.20	

Surrogate: 1-Chlorooctane 85.8 % 65.2-140
Surrogate: 1-Chlorooctadecane 93.3 % 63.6-154

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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

Received:	09/26/2013	Sampling Date:	09/25/2013
Reported:	10/02/2013	Sampling Type:	Soil
Project Name:	RHOMER #1 SWD	Sampling Condition:	Cool & Intact
Project Number:	701712.001.01	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: S-2 1' (H302351-02)

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	10/01/2013	ND	1.93	96.7	2.00	7.21		
Toluene*	<0.050	0.050	10/01/2013	ND	1.91	95.5	2.00	7.26		
Ethylbenzene*	<0.050	0.050	10/01/2013	ND	1.97	98.5	2.00	8.07		
Total Xylenes*	<0.150	0.150	10/01/2013	ND	5.83	97.1	6.00	7.93		
Total BTEX	<0.300	0.300	10/01/2013	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3960	16.0	09/30/2013	ND	400	100	400	0.00		

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	09/28/2013	ND	195	97.5	200	11.3		
DRO >C10-C28	<10.0	10.0	09/28/2013	ND	185	92.3	200	5.20		

Surrogate: 1-Chlorooctane 74.0 % 65.2-140

Surrogate: 1-Chlorooctadecane 79.3 % 63.6-154

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

Received:	09/26/2013	Sampling Date:	09/25/2013
Reported:	10/02/2013	Sampling Type:	Soil
Project Name:	RHOMER #1 SWD	Sampling Condition:	Cool & Intact
Project Number:	701712.001.01	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: S-3 1' (H302351-03)

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	10/01/2013	ND	1.93	96.7	2.00	7.21		
Toluene*	<0.050	0.050	10/01/2013	ND	1.91	95.5	2.00	7.26		
Ethylbenzene*	<0.050	0.050	10/01/2013	ND	1.97	98.5	2.00	8.07		
Total Xylenes*	<0.150	0.150	10/01/2013	ND	5.83	97.1	6.00	7.93		
Total BTEX	<0.300	0.300	10/01/2013	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	896	16.0	09/30/2013	ND	400	100	400	0.00		

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	09/30/2013	ND	195	97.5	200	11.3		
DRO >C10-C28	<10.0	10.0	09/30/2013	ND	185	92.3	200	5.20		

Surrogate: 1-Chlorooctane 80.2 % 65.2-140

Surrogate: 1-Chlorooctadecane 84.9 % 63.6-154

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Received:	09/26/2013	Sampling Date:	09/25/2013
Reported:	10/02/2013	Sampling Type:	Soil
Project Name:	RHOMER #1 SWD	Sampling Condition:	Cool & Intact
Project Number:	701712.001.01	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: S-4 1' (H302351-04)

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	10/01/2013	ND	1.93	96.7	2.00	7.21		
Toluene*	<0.050	0.050	10/01/2013	ND	1.91	95.5	2.00	7.26		
Ethylbenzene*	<0.050	0.050	10/01/2013	ND	1.97	98.5	2.00	8.07		
Total Xylenes*	<0.150	0.150	10/01/2013	ND	5.83	97.1	6.00	7.93		
Total BTEX	<0.300	0.300	10/01/2013	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	09/30/2013	ND	400	100	400	0.00		

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	09/28/2013	ND	195	97.5	200	11.3		
DRO >C10-C28	<10.0	10.0	09/28/2013	ND	185	92.3	200	5.20		

Surrogate: 1-Chlorooctane 83.1 % 65.2-140

Surrogate: 1-Chlorooctadecane 90.8 % 63.6-154

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 Received: 09/26/2013
 Reported: 10/02/2013
 Project Name: RHOMER #1 SWD
 Project Number: 701712.001.01
 Project Location: NOT GIVEN

 Sampling Date: 09/25/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: S-5 1' (H302351-05)

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	10/01/2013	ND	1.93	96.7	2.00	7.21	
Toluene*	<0.050	0.050	10/01/2013	ND	1.91	95.5	2.00	7.26	
Ethylbenzene*	<0.050	0.050	10/01/2013	ND	1.97	98.5	2.00	8.07	
Total Xylenes*	<0.150	0.150	10/01/2013	ND	5.83	97.1	6.00	7.93	
Total BTEX	<0.300	0.300	10/01/2013	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	528	16.0	09/30/2013	ND	400	100	400	0.00	

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	09/28/2013	ND	195	97.5	200	11.3	
DRO >C10-C28	<10.0	10.0	09/28/2013	ND	185	92.3	200	5.20	

Surrogate: 1-Chlorooctane 82.6 % 65.2-140

Surrogate: 1-Chlorooctadecane 85.4 % 63.6-154

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 Received: 09/26/2013
 Reported: 10/02/2013
 Project Name: RHOMER #1 SWD
 Project Number: 701712.001.01
 Project Location: NOT GIVEN

 Sampling Date: 09/25/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: S-6 4.5' (H302351-06)

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	10/01/2013	ND	1.93	96.7	2.00	7.21		
Toluene*	<0.050	0.050	10/01/2013	ND	1.91	95.5	2.00	7.26		
Ethylbenzene*	<0.050	0.050	10/01/2013	ND	1.97	98.5	2.00	8.07		
Total Xylenes*	<0.150	0.150	10/01/2013	ND	5.83	97.1	6.00	7.93		
Total BTEX	<0.300	0.300	10/01/2013	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	09/30/2013	ND	400	100	400	0.00		

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	09/28/2013	ND	195	97.5	200	11.3		
DRO >C10-C28	<10.0	10.0	09/28/2013	ND	185	92.3	200	5.20		

Surrogate: 1-Chlorooctane 80.5 % 65.2-140

Surrogate: 1-Chlorooctadecane 86.6 % 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



Celey D. Keene, Lab Director/Quality Manager

