



September 27, 2016

SHELDON HITCHCOCK

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: TRIGG FED #1 SWD

Enclosed are the results of analyses for samples received by the laboratory on 09/26/16 14:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-16-8. 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 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:**

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

Received:	09/26/2016	Sampling Date:	09/26/2016
Reported:	09/27/2016	Sampling Type:	Soil
Project Name:	TRIGG FED #1 SWD	Sampling Condition:	Cool & Intact
Project Number:	701729.002.01	Sample Received By:	Jodi Henson
Project Location:	DAKOTA RESOURCES		

**Sample ID: S-4 N. SIDEWALL (H602152-01)**

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	09/26/2016	ND	2.17	108	2.00	2.00		
Toluene*	<0.050	0.050	09/26/2016	ND	2.21	110	2.00	1.60		
Ethylbenzene*	<0.050	0.050	09/26/2016	ND	2.16	108	2.00	1.58		
Total Xylenes*	<0.150	0.150	09/26/2016	ND	6.59	110	6.00	1.14		
Total BTEX	<0.300	0.300	09/26/2016	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.6-140

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	09/26/2016	ND	193	96.3	200	6.67		
<b>DRO &gt;C10-C28</b>	<b>3390</b>	10.0	09/26/2016	ND	201	101	200	7.21		

Surrogate: 1-Chlorooctane 87.6 % 35-147

Surrogate: 1-Chlorooctadecane 167 % 28-171

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: 09/26/2016  
 Reported: 09/27/2016  
 Project Name: TRIGG FED #1 SWD  
 Project Number: 701729.002.01  
 Project Location: DAKOTA RESOURCES

 Sampling Date: 09/26/2016  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: S-4 S. SIDEWALL (H602152-02)**

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	09/26/2016	ND	2.17	108	2.00	2.00		
Toluene*	<0.050	0.050	09/26/2016	ND	2.21	110	2.00	1.60		
Ethylbenzene*	<0.050	0.050	09/26/2016	ND	2.16	108	2.00	1.58		
Total Xylenes*	<0.150	0.150	09/26/2016	ND	6.59	110	6.00	1.14		
Total BTEX	<0.300	0.300	09/26/2016	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.1 % 73.6-140

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	09/27/2016	ND	193	96.3	200	6.67		
<b>DRO &gt;C10-C28</b>	<b>35.8</b>	10.0	09/27/2016	ND	201	101	200	7.21		

Surrogate: 1-Chlorooctane 85.3 % 35-147

Surrogate: 1-Chlorooctadecane 106 % 28-171

Cardinal Laboratories

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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:	09/26/2016	Sampling Date:	09/26/2016
Reported:	09/27/2016	Sampling Type:	Soil
Project Name:	TRIGG FED #1 SWD	Sampling Condition:	Cool & Intact
Project Number:	701729.002.01	Sample Received By:	Jodi Henson
Project Location:	DAKOTA RESOURCES		

**Sample ID: S-4 E. SIDEWALL (H602152-03)**

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	09/26/2016	ND	2.17	108	2.00	2.00		
Toluene*	<0.050	0.050	09/26/2016	ND	2.21	110	2.00	1.60		
Ethylbenzene*	<0.050	0.050	09/26/2016	ND	2.16	108	2.00	1.58		
Total Xylenes*	<0.150	0.150	09/26/2016	ND	6.59	110	6.00	1.14		
Total BTEX	<0.300	0.300	09/26/2016	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.9 % 73.6-140

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	09/27/2016	ND	193	96.3	200	6.67		
<b>DRO &gt;C10-C28</b>	<b>256</b>	10.0	09/27/2016	ND	201	101	200	7.21		

Surrogate: 1-Chlorooctane 91.0 % 35-147

Surrogate: 1-Chlorooctadecane 111 % 28-171

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Notes and Definitions**

- S-04            The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- 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 SM450Cl-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



**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: Talon/LPE  
 Project Manager: S. Hitchcock  
 Address: 408 W. Texas Ave.  
 City: Artesia State: NM zip: 88210  
 Phone #: 575-746-8768 Fax #: 575-746-8905  
 Project #: 201729.002.01 Project Owner: Daley Rus  
 Project Name: Trigg Field #1 SWD  
 Project Location:  
 Sampler Name: S. Hitchcock  
 P.O. #: Company: Talon/LPE  
 Attn: Address:  
 City: State: Zip:  
 Phone #: Fax #:

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							DATE	TIME	ANALYSIS
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:			
H002152	1 S-4 N. Side wall	G	1							9/24/16	1:25	TPH	
	2 S-4 S. Side wall	G	1							9/24/16	1:27	BTEX	
	3 S-4 E. Side wall	G	1							9/24/16	1:30	Chlorides	

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Relinquished By: *Shawn Rasmussen*  
 Date: *9/26/16*  
 Time: *2:50*  
 Received By: *Daley Russon*  
 Date: \_\_\_\_\_  
 Time: \_\_\_\_\_

Delivered By: (Circle One)  
 Sampler - UPS - Bus - Other: *4.99*  
 Sample Condition:  Intact  Cool  Yes  No

CHECKED BY: *[Signature]*  
 Phone Result:  Yes  No  
 Fax Result:  Yes  No  
 Add'l Phone #: \_\_\_\_\_  
 Add'l Fax #: \_\_\_\_\_  
 REMARKS: *RUSN*

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