



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

June 26, 2014

DAVID ADKINS

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 06/23/14 14:20.

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.

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,

Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

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

Received: 06/23/2014
Reported: 06/26/2014
Project Name: TRIGG FED #1 SWD
Project Number: 701729.001.01
Project Location: DAKOTA RESOURCES

Sampling Date: 06/19/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: BH-1 5' (H401875-01)

BTEX 8021B		mg/kg		Analyzed By: CK				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/25/2014	ND	1.84	91.8	2.00	9.34	
Toluene*	0.176	0.050	06/25/2014	ND	1.99	99.5	2.00	6.67	
Ethylbenzene*	0.694	0.050	06/25/2014	ND	1.80	89.9	2.00	5.53	
Total Xylenes*	2.59	0.150	06/25/2014	ND	5.59	93.1	6.00	3.83	
Total BTEX	3.46	0.300	06/25/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIC) 208 % 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	6560	16.0	06/24/2014	ND	416	104	400	8.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	54.3	10.0	06/24/2014	ND	164	82.0	200	2.21	
DRO >C10-C28	518	10.0	06/24/2014	ND	184	92.0	200	3.27	

Surrogate: 1-Chlorooctane 69.3 % 65.2-140

Surrogate: 1-Chlorooctadecane 69.6 % 63.6-154

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*=Accredited Analyte

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Received: 06/23/2014
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Project Name: TRIGG FED #1 SWD
Project Number: 701729.001.01
Project Location: DAKOTA RESOURCES

Sampling Date: 06/19/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: BH-1 10' (H401875-02)

BTEX 8021B			mg/kg		Analyzed By: CK				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/25/2014	ND	1.84	91.8	2.00	9.34	
Toluene*	<0.050	0.050	06/25/2014	ND	1.99	99.5	2.00	6.67	
Ethylbenzene*	<0.050	0.050	06/25/2014	ND	1.80	89.9	2.00	5.53	
Total Xylenes*	<0.150	0.150	06/25/2014	ND	5.59	93.1	6.00	3.83	
Total BTEX	<0.300	0.300	06/25/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	4000	16.0	06/24/2014	ND	416	104	400	8.00	

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	06/24/2014	ND	164	82.0	200	2.21	
DRO >C10-C28	<10.0	10.0	06/24/2014	ND	184	92.0	200	3.27	

Surrogate: 1-Chlorooctane 87.0 % 65.2-140

Surrogate: 1-Chlorooctadecane 96.7 % 63.6-154

Sample ID: BH-1 15' (H401875-03)

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5280	16.0	06/24/2014	ND	416	104	400	8.00	

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 Received: 06/23/2014
 Reported: 06/26/2014
 Project Name: TRIGG FED #1 SWD
 Project Number: 701729.001.01
 Project Location: DAKOTA RESOURCES

 Sampling Date: 06/19/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: BH-1 20' (H401875-04)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5520	16.0	06/24/2014	ND	416	104	400	8.00	

Sample ID: BH-1 25' (H401875-05)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2240	16.0	06/24/2014	ND	416	104	400	8.00	

Sample ID: BH-1 30' (H401875-06)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1570	16.0	06/24/2014	ND	416	104	400	8.00	

Sample ID: BH-1 35' (H401875-07)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1380	16.0	06/24/2014	ND	416	104	400	8.00	

Sample ID: BH-1 40' (H401875-08)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	06/24/2014	ND	416	104	400	8.00	

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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 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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