



December 13, 2013

Mr. Mike Bratcher
NMOCD District 2
811 S. 1st Street
Artesia, NM 88210

AMARILLO
921 North Bivins
Amarillo, Texas 79107
Phone 806.467.0607
Fax 806.467.0622

ARTESIA
408 West Texas Ave.
Artesia, New Mexico 88210
Phone 575.746.8768
Fax 575.746.8905

Subject: **Soil Assessment and Remediation Work Plan**
Dakota Resources
Trigg Federal #1 SWD
Eddy County, New Mexico.

Dear Mr. Bratcher,

HOBBS
318 East Taylor Street
Hobbs, New Mexico 88240
Phone 575.393.4261
Fax 575.393.4658

Dakota Resources (Dakota) has contracted Talon/LPE (Talon) to perform soil assessment and remediation services at the above referenced location. The results of our soil assessment and proposed remediation activities consist of the following.

Incident Date

MIDLAND
2901 State Hwy 349
Midland, Texas 79706
Phone 432.522.2133
Fax 432.522.2180

The release was discovered by Dakota personnel on August 6, 2013 at 9:00 am.

Background Information

OKLAHOMA CITY
7700 North Hudson Avenue
Suite 10
Oklahoma City, Oklahoma 73116
Phone 405.486.7030
Fax 806.467.0622

The Trigg Federal #1 SWD is located approximately eleven (11) miles east of Carlsbad, New Mexico. The legal location for this site is Unit Letter L of Section 7, Township 21 South, Range 28 East. More specifically, the latitude and longitude for the release are 32.492875 North and -104.132300 West. A site plan is presented in Appendix I.

SAN ANTONIO
11 Commercial Place
Schertz, Texas 78154
Phone 210.265.8025
Fax 210.568.2191

According to the soil survey provided by the United States Department of Agriculture Natural Resources Conservation Service, the soil in this area is made up of the Gypsum land-Reeves complex, with 0 to 3 percent slopes. Per the New Mexico Bureau of Geology and Mineral Resources, the local surface and shallow geology is comprised of Holocene to upper Pleistocene Alluvium. Drainage courses in this area are normally dry. Groundwater in the project vicinity is approximately 69-feet below ground surface (bgs) according to the New Mexico Office of the State Engineer. See Appendix II for the referenced groundwater data.

The ranking for this site is 10 based on the following:

ENVIRONMENTAL CONSULTING	Depth to ground water	<100'
ENGINEERING	Wellhead Protection Area	>1000'
DRILLING	Distance to surface water body	>1000'
CONSTRUCTION		
SPIRIT MANAGEMENT		
GENERAL CONTRACTING		

Incident Description

A 500bbls tank leaked causing a release of approximately 40bbls of mixed fluids. The majority of the fluid was contained within the berms of the battery. A small amount of fluid penetrated the berms at the gate and flow southeast of the battery. The impacted areas are shown on the site plan in Appendix I.

Laboratory Results

See Appendix III for complete report of laboratory results.

Sample ID	Depth (feet)	BTEX (mg/kg)	Chlorides (mg/kg)	TPH (mg/kg) GRO	TPH (mg/kg) DRO
S-1	0	ND	3400	ND	622
S-1	1	ND	6160	ND	280
S-1	2	ND	1840	ND	48.7
S-1	3	ND	6660	ND	ND
S-1	4	ND	8660	ND	10.9
S-2	0	ND	2720	ND	15900
S-2	1	ND	12300	ND	1000
S-2	2	ND	2240	ND	839
S-2	3	ND	5760	ND	3830
S-2	4	ND	6640	ND	1730
S-3	0	ND	7600	ND	10100
S-3	1	ND	9120	ND	4300
S-3	2	ND	1880	ND	27.1
S-3	3	ND	5600	ND	ND
S-3	4	ND	7920	ND	40.7
S-4	0	ND	11500	ND	9180
S-4	1	165	13900	4780	11800
S-4	2 (refusal)	141	1730	3140	7020
S-5	0	ND	4640	ND	ND
S-5	1	ND	1020	ND	ND
S-5	2	ND	1310	ND	ND
S-5	3	ND	1310	ND	ND
S-5	4	ND	752	ND	ND

(ND) Analyte Not Detected

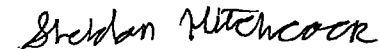
Based upon the site ranking of **10**, NMOCD Recommended Remedial Action Levels (RRAL's) are 50 mg/kg for BTEX, 10 mg for Benzene, and 1,000 mg/kg for TPH.


Proposed Remedial Actions

- The impacted area within the battery will be excavated to a depth of 2-feet bgs. Care will be taken as to not affect the structural integrity of the tanks. A 20-mil reinforced liner padded with felt will be installed at the bottom of the excavation.
- The impacted area on the location in the vicinity of S-5 will be excavated to a depth of 4-feet bgs.
- All of the excavated material will be hauled to an NMOCD approved solid waste disposal facility.
- The excavated areas will be backfilled with caliche and contoured to match the surrounding location.

Should you have any questions or if further information is required, please do not hesitate to contact our office at (575)-746-8768

Respectfully submitted,


Sheldon Hitchcock
Environmental Scientist


David J. Adkins
District Manager

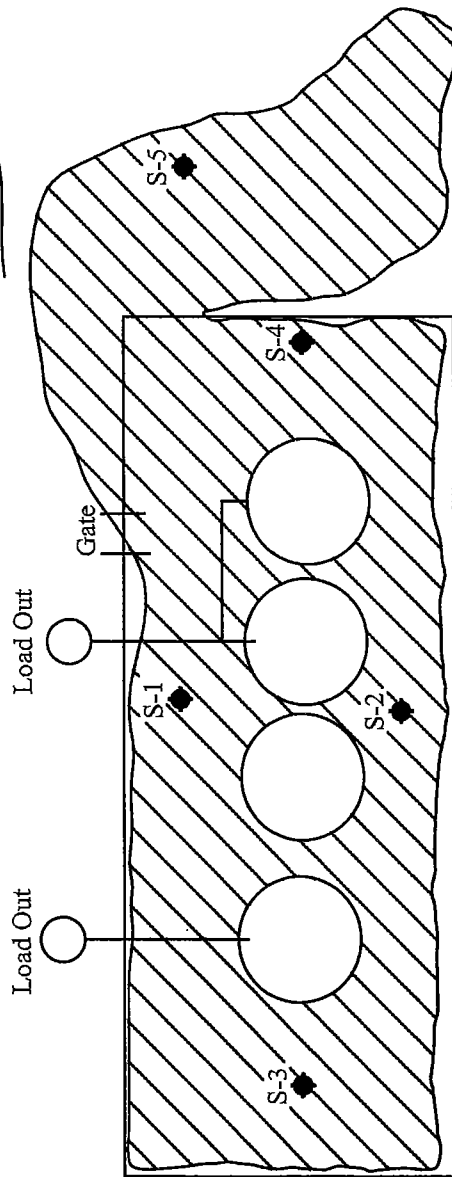
SITE PLAN

Well Head



Legend
◆ - Sample Location
▨ - Impacted Area

Entrance
Road



Trigg Fed Battery
Dakota Resources, Inc.
Lea County, New Mexico
Figure 1 - Site Plan

Date: 11/26/2013

Scale: NTS

Drawn By: TJS



GROUNDWATER DATA

INITIAL C-141



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

(A CLW##### in the
POD suffix indicates the
POD has been replaced
& no longer serves a
water right file.)

(R=POD has
been replaced,
O=orphaned,
C=the file is
closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
<u>C 03272 POD1</u>		CUB	ED	4	3	1	18	21S	28E	581632	3594114*	1307	22	9	13
<u>C 03268 POD1</u>		CUB	ED	4	2	4	01	21S	27E	581201	3596915*	1532	48	13	35
<u>C 02992</u>		C	ED	3	3	2	01	21S	27E	580594	3597311*	2109	250	186	64

Average Depth to Water: 69 feet

Minimum Depth: 9 feet

Maximum Depth: 186 feet

Record Count: 3

Basin/County Search:

County: Eddy

UTMNAD83 Radius Search (in meters):

Easting (X): 581522

Northing (Y): 3595417

Radius: 2150

*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised August 8, 2011

Submit 1 Copy to appropriate District Office in
accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company	Dakota Resources	Contact	LaWayne Day
Address	4914 N. Midkiff Midland TX. 79705	Telephone No.	432-697-3420
Facility Name	Federal Trigg #1	Facility Type	SWD
Surface Owner	BLM	Mineral Owner	BLM
		API No.	3001525006

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
L	7	215	28E	1980	South	660	West	Eddy

Latitude 32.492875 Longitude -104.132300

NATURE OF RELEASE

Type of Release	Produced Water	Volume of Release	40	Volume Recovered	0
Source of Release	Hole in water tank	Date and Hour of Occurrence	Date and Hour of Discovery 8/6/13 9a.m.		
Was Immediate Notice Given?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	BLM OCD to Randy Day 8/8/2013		
By Whom?	J.D. Machacek	Date and Hour	8/6/2013 (11:00 a.m.)		
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.			

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*

Had hole in 500 bbl. tank that we pumped out of to injection well. Water and some skim oil leaked out into berm to front side of tank some leaking out at low spot at edge area on to location pad.

Describe Area Affected and Cleanup Action Taken.*

Everything was soaked in dirt by morning. Will get backhoe and crew to pick up A.S.A.P.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOC rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOC marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOC acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

OIL CONSERVATION DIVISION

Signature: *LaWayne Day*
Printed Name: LaWayne Day
Title: Production Foreman
E-mail Address: lawayned@dakotares.com
Date: 08/08/2013 Phone: 432-413-3185

Approved by Environmental Specialist:

Approval Date:

Expiration Date:

Conditions of Approval:

Attached ☐

* Attach Additional Sheets if Necessary

LABORATORY RESULTS



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

November 26, 2013

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 11/20/13 14:00.

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,

Mike Snyder

Organic Supervisor

Analytical Results For:

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

Received: 11/20/2013
Reported: 11/26/2013
Project Name: TRIGG FED #1 SWD
Project Number: 701729.001.01
Project Location: DAKOTA RESOURCES

Sampling Date: 11/19/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Kathy Perez

Sample ID: S-1 0' (H302832-01)

BTX 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	11/22/2013	ND	2.30	115	2.00	3.57	
Toluene*	<0.050	0.050	11/22/2013	ND	2.32	116	2.00	2.68	
Ethylbenzene*	<0.050	0.050	11/22/2013	ND	2.35	118	2.00	2.65	
Total Xylenes*	<0.150	0.150	11/22/2013	ND	6.95	116	6.00	2.08	
Total BTX	<0.300	0.300	11/22/2013	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	3400	16.0	11/21/2013	ND	432	108	400	0.00	

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	<100	100	11/22/2013	ND	193	96.3	200	0.0809		
DRO >C10-C28	622	100	11/22/2013	ND	193	96.6	200	1.66		

Surrogate: 1-Chlorooctane 93.8 % 65.2-140

Surrogate: 1-Chlorooctadecane 198 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Mike Snyder, Organic Supervisor

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 ARTESIA NM, 88210
 Fax To: (575) 745-8905

 Received: 11/20/2013
 Reported: 11/26/2013
 Project Name: TRIGG FED #1 SWD
 Project Number: 701729.001.01
 Project Location: DAKOTA RESOURCES

 Sampling Date: 11/19/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Kathy Perez

Sample ID: S-1 1' (H302832-02)

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	11/22/2013	ND	2.30	115	2.00	3.57	
Toluene*	<0.050	0.050	11/22/2013	ND	2.32	116	2.00	2.68	
Ethylbenzene*	<0.050	0.050	11/22/2013	ND	2.35	118	2.00	2.65	
Total Xylenes*	<0.150	0.150	11/22/2013	ND	6.95	116	6.00	2.08	
Total BTEX	<0.300	0.300	11/22/2013	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	6160	16.0	11/21/2013	ND	432	108	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	<50.0	50.0	11/22/2013	ND	193	96.3	200	0.0809	
DRO >C10-C28	280	50.0	11/22/2013	ND	193	96.6	200	1.66	

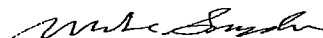
Surrogate: 1-Chlorooctane 94.8 % 65.2-140

Surrogate: 1-Chlorooctadecane 141 % 63.6-154

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*=Accredited Analyte

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Mike Snyder, Organic Supervisor

Analytical Results For:

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

Received: 11/20/2013
Reported: 11/26/2013
Project Name: TRIGG FED #1 SWD
Project Number: 701729.001.01
Project Location: DAKOTA RESOURCES

Sampling Date: 11/19/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Kathy Perez

Sample ID: S-1 2' (H302832-03)

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	11/22/2013	ND	2.30	115	2.00	3.57	
Toluene*	<0.050	0.050	11/22/2013	ND	2.32	116	2.00	2.68	
Ethylbenzene*	<0.050	0.050	11/22/2013	ND	2.35	118	2.00	2.65	
Total Xylenes*	<0.150	0.150	11/22/2013	ND	6.95	116	6.00	2.08	
Total BTEX	<0.300	0.300	11/22/2013	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	1840	16.0	11/21/2013	ND	432	108	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	11/22/2013	ND	193	96.3	200	0.0809	
DRO >C10-C28	48.7	10.0	11/22/2013	ND	193	96.6	200	1.66	

Surrogate: 1-Chlorooctane 104 % 65.2-140

Surrogate: 1-Chlorooctadecane 100 % 63.6-154

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*=Accredited Analyte

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 Received: 11/20/2013
 Reported: 11/26/2013
 Project Name: TRIGG FED #1 SWD
 Project Number: 701729.001.01
 Project Location: DAKOTA RESOURCES

 Sampling Date: 11/19/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Kathy Perez

Sample ID: S-1 3' (H302832-04)

BTX 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	11/22/2013	ND	2.30	115	2.00	3.57	
Toluene*	<0.050	0.050	11/22/2013	ND	2.32	116	2.00	2.68	
Ethylbenzene*	<0.050	0.050	11/22/2013	ND	2.35	118	2.00	2.65	
Total Xylenes*	<0.150	0.150	11/22/2013	ND	6.95	116	6.00	2.08	
Total BTX	<0.300	0.300	11/22/2013	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	6660	16.0	11/21/2013	ND	432	108	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	11/22/2013	ND	193	96.3	200	0.0809	
DRO >C10-C28	<10.0	10.0	11/22/2013	ND	193	96.6	200	1.66	


Surrogate: 1-Chlorooctane 84.4 % 65.2-140

Surrogate: 1-Chlorooctadecane 80.7 % 63.6-154

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*—Accredited Analyte

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 Fax To: (575) 745-8905

 Received: 11/20/2013
 Reported: 11/26/2013
 Project Name: TRIGG FED #1 SWD
 Project Number: 701729.001.01
 Project Location: DAKOTA RESOURCES

 Sampling Date: 11/19/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Kathy Perez

Sample ID: S-1 4' (H302832-05)

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	11/22/2013	ND	2.30	115	2.00	3.57	
Toluene*	<0.050	0.050	11/22/2013	ND	2.32	116	2.00	2.68	
Ethylbenzene*	<0.050	0.050	11/22/2013	ND	2.35	118	2.00	2.65	
Total Xylenes*	<0.150	0.150	11/22/2013	ND	6.95	116	6.00	2.08	
Total BTEX	<0.300	0.300	11/22/2013	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	8660	16.0	11/21/2013	ND	432	108	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	11/22/2013	ND	193	96.3	200	0.0809	
DRO >C10-C28	10.9	10.0	11/22/2013	ND	193	96.6	200	1.66	

Surrogate: 1-Chlorooctane 90.6 % 65.2-140

Surrogate: 1-Chlorooctadecane 86.9 % 63.6-154

Cardinal Laboratories

*—Accredited Analyte

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Received: 11/20/2013
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Project Number: 701729.001.01
Project Location: DAKOTA RESOURCES

Sampling Date: 11/19/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Kathy Perez

Sample ID: S-2 0' (H302832-06)

BTEx 8021B			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.200	0.200	11/22/2013	ND	2.30	115	2.00	3.57	
Toluene*	<0.200	0.200	11/22/2013	ND	2.32	116	2.00	2.68	
Ethylbenzene*	<0.200	0.200	11/22/2013	ND	2.35	118	2.00	2.65	
Total Xylenes*	<0.600	0.600	11/22/2013	ND	6.95	116	6.00	2.08	
Total BTEx	<1.20	1.20	11/22/2013	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	2720	16.0	11/21/2013	ND	432	108	400	0.00	

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	<200	200	11/22/2013	ND	193	96.3	200	0.0809		
DRO >C10-C28	15900	200	11/22/2013	ND	193	96.6	200	1.66		

Surrogate: 1-Chlorooctane 88.8 % 65.2-140

Surrogate: 1-Chlorooctadecane 423 % 63.6-154

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Mike Snyder, Organic Supervisor

Analytical Results For:

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

Received: 11/20/2013
Reported: 11/26/2013
Project Name: TRIGG FED #1 SWD
Project Number: 701729.001.01
Project Location: DAKOTA RESOURCES

Sampling Date: 11/19/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Kathy Perez

Sample ID: S-2 1' (H302832-07)

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	11/22/2013	ND	2.30	115	2.00	3.57	
Toluene*	<0.050	0.050	11/22/2013	ND	2.32	116	2.00	2.68	
Ethylbenzene*	<0.050	0.050	11/22/2013	ND	2.35	118	2.00	2.65	
Total Xylenes*	<0.150	0.150	11/22/2013	ND	6.95	116	6.00	2.08	
Total BTEX	<0.300	0.300	11/22/2013	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 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	12300	16.0	11/21/2013	ND	432	108	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	<200	200	11/22/2013	ND	193	96.3	200	0.0809	
DRO >C10-C28	1000	200	11/22/2013	ND	193	96.6	200	1.66	

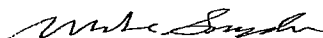
Surrogate: 1-Chlorooctane 98.0 % 65.2-140

Surrogate: 1-Chlorooctadecane 134 % 63.6-154

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*==Accredited Analyte

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Mike Snyder, Organic Supervisor

Analytical Results For:

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

Received: 11/20/2013
Reported: 11/26/2013
Project Name: TRIGG FED #1 SWD
Project Number: 701729.001.01
Project Location: DAKOTA RESOURCES

Sampling Date: 11/19/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Kathy Perez

Sample ID: S-2 2' (H302832-08)

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	11/22/2013	ND	2.30	115	2.00	3.57	
Toluene*	<0.050	0.050	11/22/2013	ND	2.32	116	2.00	2.68	
Ethylbenzene*	<0.050	0.050	11/22/2013	ND	2.35	118	2.00	2.65	
Total Xylenes*	<0.150	0.150	11/22/2013	ND	6.95	116	6.00	2.08	
Total BTEx	<0.300	0.300	11/22/2013	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	2240	16.0	11/21/2013	ND	432	108	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	<200	200	11/22/2013	ND	193	96.3	200	0.0809	
DRO >C10-C28	839	200	11/22/2013	ND	193	96.6	200	1.66	

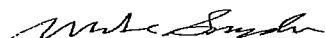
Surrogate: 1-Chlorooctane 96.2 % 65.2-140

Surrogate: 1-Chlorooctadecane 129 % 63.6-154

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Mike Snyder, Organic Supervisor

Analytical Results For:

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

 Received: 11/20/2013
 Reported: 11/26/2013
 Project Name: TRIGG FED #1 SWD
 Project Number: 701729.001.01
 Project Location: DAKOTA RESOURCES

 Sampling Date: 11/19/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Kathy Perez

Sample ID: S-2 3' (H302832-09)

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	11/22/2013	ND	2.30	115	2.00	3.57	
Toluene*	<0.050	0.050	11/22/2013	ND	2.32	116	2.00	2.68	
Ethylbenzene*	<0.050	0.050	11/22/2013	ND	2.35	118	2.00	2.65	
Total Xylenes*	<0.150	0.150	11/22/2013	ND	6.95	116	6.00	2.08	
Total BTEx	<0.300	0.300	11/22/2013	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	5760	16.0	11/21/2013	ND	432	108	400	0.00	

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	<200	200	11/22/2013	ND	193	96.3	200	0.0809		
DRO >C10-C28	3830	200	11/22/2013	ND	193	96.6	200	1.66		

Surrogate: 1-Chlorooctane 90.9 % 65.2-140

Surrogate: 1-Chlorooctadecane 207 % 63.6-154

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Analytical Results For:

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Received: 11/20/2013
Reported: 11/26/2013
Project Name: TRIGG FED #1 SWD
Project Number: 701729.001.01
Project Location: DAKOTA RESOURCES

Sampling Date: 11/19/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Kathy Perez

Sample ID: S-2 4' (H302832-10)

BTX 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	11/23/2013	ND	1.94	96.9	2.00	3.54	
Toluene*	<0.050	0.050	11/23/2013	ND	1.96	97.8	2.00	2.36	
Ethylbenzene*	<0.050	0.050	11/23/2013	ND	1.96	98.1	2.00	1.95	
Total Xylenes*	<0.150	0.150	11/23/2013	ND	5.88	98.0	6.00	0.607	
Total BTX	<0.300	0.300	11/23/2013	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	6640	16.0	11/21/2013	ND	432	108	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	<100	100	11/22/2013	ND	193	96.3	200	0.0809	
DRO >C10-C28	1730	100	11/22/2013	ND	193	96.6	200	1.66	

Surrogate: 1-Chlorooctane 103 % 65.2-140

Surrogate: 1-Chlorooctadecane 133 % 63.6-154

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Fax To: (575) 745-8905

Received: 11/20/2013
Reported: 11/26/2013
Project Name: TRIGG FED #1 SWD
Project Number: 701729.001.01
Project Location: DAKOTA RESOURCES

Sampling Date: 11/19/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Kathy Perez

Sample ID: S-3 0' (H302832-11)

BTX 8021B			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.200	0.200	11/23/2013	ND	1.94	96.9	2.00	3.54	
Toluene*	<0.200	0.200	11/23/2013	ND	1.96	97.8	2.00	2.36	
Ethylbenzene*	<0.200	0.200	11/23/2013	ND	1.96	98.1	2.00	1.95	
Total Xylenes*	<0.600	0.600	11/23/2013	ND	5.88	98.0	6.00	0.607	
Total BTX	<1.20	1.20	11/23/2013	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	7600	16.0	11/21/2013	ND	432	108	400	0.00	

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	<200	200	11/22/2013	ND	193	96.3	200	0.0809		
DRO >C10-C28	10100	200	11/22/2013	ND	193	96.6	200	1.66		


Surrogate: 1-Chlorooctane 86.7 % 65.2-140

Surrogate: 1-Chlorooctadecane 292 % 63.6-154

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Mike Snyder, Organic Supervisor

Analytical Results For:

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

Received: 11/20/2013
Reported: 11/26/2013
Project Name: TRIGG FED #1 SWD
Project Number: 701729.001.01
Project Location: DAKOTA RESOURCES

Sampling Date: 11/19/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Kathy Perez

Sample ID: S-3 1' (H302832-12)

BTEX 8021B			mg/kg				Analyzed By: MS			S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
Benzene*	<0.200	0.200	11/23/2013	ND	1.94	96.9	2.00	3.54			
Toluene*	<0.200	0.200	11/23/2013	ND	1.96	97.8	2.00	2.36			
Ethylbenzene*	0.389	0.200	11/23/2013	ND	1.96	98.1	2.00	1.95			
Total Xylenes*	<0.600	0.600	11/23/2013	ND	5.88	98.0	6.00	0.607			
Total BTEX	<1.20	1.20	11/23/2013	ND							

Surrogate: 4-Bromofluorobenzene (PID) 155 % 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	9120	16.0	11/21/2013	ND	432	108	400	0.00			

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	<200	200	11/22/2013	ND	193	96.3	200	0.0809			
DRO >C10-C28	4300	200	11/22/2013	ND	193	96.6	200	1.66			


Surrogate: 1-Chlorooctane 116 % 65.2-140

Surrogate: 1-Chlorooctadecane 170 % 63.6-154

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Mike Snyder, Organic Supervisor

Analytical Results For:

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

Received: 11/20/2013
Reported: 11/26/2013
Project Name: TRIGG FED #1 SWD
Project Number: 701729.001.01
Project Location: DAKOTA RESOURCES

Sampling Date: 11/19/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Kathy Perez

Sample ID: S-3 2' (H302832-13)

BTX 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	11/23/2013	ND	1.94	96.9	2.00	3.54	
Toluene*	<0.050	0.050	11/23/2013	ND	1.96	97.8	2.00	2.36	
Ethylbenzene*	<0.050	0.050	11/23/2013	ND	1.96	98.1	2.00	1.95	
Total Xylenes*	<0.150	0.150	11/23/2013	ND	5.88	98.0	6.00	0.607	
Total BTX	<0.300	0.300	11/23/2013	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	1880	16.0	11/25/2013	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	11/22/2013	ND	193	96.3	200	0.0809	
DRO >C10-C28	27.1	10.0	11/22/2013	ND	193	96.6	200	1.66	

Surrogate: 1-Chlorooctane 95.2 % 65.2-140

Surrogate: 1-Chlorooctadecane 93.5 % 63.6-154

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Mike Snyder, Organic Supervisor

Analytical Results For:

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

Received: 11/20/2013
Reported: 11/26/2013
Project Name: TRIGG FED #1 SWD
Project Number: 701729.001.01
Project Location: DAKOTA RESOURCES

Sampling Date: 11/19/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Kathy Perez

Sample ID: S-3 3' (H302832-14)

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	11/23/2013	ND	1.94	96.9	2.00	3.54		
Toluene*	<0.050	0.050	11/23/2013	ND	1.96	97.8	2.00	2.36		
Ethylbenzene*	<0.050	0.050	11/23/2013	ND	1.96	98.1	2.00	1.95		
Total Xylenes*	<0.150	0.150	11/23/2013	ND	5.88	98.0	6.00	0.607		
Total BTEx	<0.300	0.300	11/23/2013	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	5600	16.0	11/25/2013	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	11/22/2013	ND	193	96.3	200	0.0809			
DRO >C10-C28	<10.0	10.0	11/22/2013	ND	193	96.6	200	1.66			


Surrogate: 1-Chlorooctane 91.0 % 65.2-140

Surrogate: 1-Chlorooctadecane 79.8 % 63.6-154

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Analytical Results For:

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

Received: 11/20/2013
Reported: 11/26/2013
Project Name: TRIGG FED #1 SWD
Project Number: 701729.001.01
Project Location: DAKOTA RESOURCES

Sampling Date: 11/19/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Kathy Perez

Sample ID: S-3 4' (H302832-15)

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	11/23/2013	ND	1.94	96.9	2.00	3.54	
Toluene*	<0.050	0.050	11/23/2013	ND	1.96	97.8	2.00	2.36	
Ethylbenzene*	<0.050	0.050	11/23/2013	ND	1.96	98.1	2.00	1.95	
Total Xylenes*	<0.150	0.150	11/23/2013	ND	5.88	98.0	6.00	0.607	
Total BTEX	<0.300	0.300	11/23/2013	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	7920	16.0	11/25/2013	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	11/22/2013	ND	193	96.3	200	0.0809	
DRO >C10-C28	40.7	10.0	11/22/2013	ND	193	96.6	200	1.66	

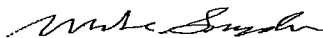
Surrogate: 1-Chlorooctane 91.1 % 65.2-140

Surrogate: 1-Chlorooctadecane 90.8 % 63.6-154

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Mike Snyder, Organic Supervisor

Analytical Results For:

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

Received: 11/20/2013
Reported: 11/26/2013
Project Name: TRIGG FED #1 SWD
Project Number: 701729.001.01
Project Location: DAKOTA RESOURCES

Sampling Date: 11/19/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Kathy Perez

Sample ID: S-4 0' (H302832-16)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.200	0.200	11/23/2013	ND	1.94	96.9	2.00	3.54	
Toluene*	0.285	0.200	11/23/2013	ND	1.96	97.8	2.00	2.36	
Ethylbenzene*	0.447	0.200	11/23/2013	ND	1.96	98.1	2.00	1.95	
Total Xylenes*	0.601	0.600	11/23/2013	ND	5.88	98.0	6.00	0.607	
Total BTEX	<1.20	1.20	11/23/2013	ND					

Surrogate: 4-Bromofluorobenzene (PID) 125 % 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	11500	16.0	11/25/2013	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	<200	200	11/22/2013	ND	193	96.3	200	0.0809	
DRO >C10-C28	9180	200	11/22/2013	ND	193	96.6	200	1.66	

Surrogate: 1-Chlorooctane 97.0 % 65.2-140

Surrogate: 1-Chlorooctadecane 284 % 63.6-154

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Mike Snyder, Organic Supervisor

Analytical Results For:

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

Received: 11/20/2013
Reported: 11/26/2013
Project Name: TRIGG FED #1 SWD
Project Number: 701729.001.01
Project Location: DAKOTA RESOURCES

Sampling Date: 11/19/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Kathy Perez

Sample ID: S-4 1' (H302832-17)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<5.00	5.00	11/23/2013	ND	1.94	96.9	2.00	3.54	
Toluene*	11.4	5.00	11/23/2013	ND	1.96	97.8	2.00	2.36	
Ethylbenzene*	12.5	5.00	11/23/2013	ND	1.96	98.1	2.00	1.95	
Total Xylenes*	141	15.0	11/23/2013	ND	5.88	98.0	6.00	0.607	
Total BTX	165	30.0	11/23/2013	ND					

Surrogate: 4-Bromofluorobenzene (PID) 120 % 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	13900	16.0	11/25/2013	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	4780	100	11/22/2013	ND	193	96.3	200	0.0809	
DRO >C10-C28	11800	100	11/22/2013	ND	193	96.6	200	1.66	

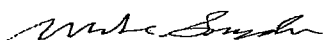
Surrogate: 1-Chlorooctane 216 % 65.2-140

Surrogate: 1-Chlorooctadecane		228 %		63.6-154					
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Mike Snyder, Organic Supervisor

Analytical Results For:

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

Received: 11/20/2013
Reported: 11/26/2013
Project Name: TRIGG FED #1 SWD
Project Number: 701729.001.01
Project Location: DAKOTA RESOURCES

Sampling Date: 11/19/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Kathy Perez

Sample ID: S-4 2' REFUSAL (H302832-18)

BTEX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<2.00	2.00	11/23/2013	ND	1.94	96.9	2.00	3.54	
Toluene*	8.42	2.00	11/23/2013	ND	1.96	97.8	2.00	2.36	
Ethylbenzene*	12.2	2.00	11/23/2013	ND	1.96	98.1	2.00	1.95	
Total Xylenes*	119	6.00	11/23/2013	ND	5.88	98.0	6.00	0.607	
Total BTEX	141	12.0	11/23/2013	ND					

Surrogate: 4-Bromofluorobenzene (PID) 140 % 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	1730	16.0	11/25/2013	ND	416	104	400	3.92	

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	3140	50.0	11/22/2013	ND	193	96.3	200	0.0809	
DRO >C10-C28	7020	50.0	11/22/2013	ND	193	96.6	200	1.66	

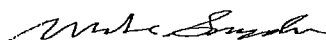
Surrogate: 1-Chlorooctane 187 % 65.2-140

Surrogate: 1-Chlorooctadecane 175 % 63.6-154

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Mike Snyder, Organic Supervisor

Analytical Results For:

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

Received: 11/20/2013
Reported: 11/26/2013
Project Name: TRIGG FED #1 SWD
Project Number: 701729.001.01
Project Location: DAKOTA RESOURCES

Sampling Date: 11/19/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Kathy Perez

Sample ID: S-5 0' (H302832-19)

BTX 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	11/23/2013	ND	1.94	96.9	2.00	3.54	
Toluene*	<0.050	0.050	11/23/2013	ND	1.96	97.8	2.00	2.36	
Ethylbenzene*	<0.050	0.050	11/23/2013	ND	1.96	98.1	2.00	1.95	
Total Xylenes*	<0.150	0.150	11/23/2013	ND	5.88	98.0	6.00	0.607	
Total BTX	<0.300	0.300	11/23/2013	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	4640	16.0	11/25/2013	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	11/22/2013	ND	205	102	200	1.20	
DRO >C10-C28	<10.0	10.0	11/22/2013	ND	205	103	200	2.92	

Surrogate: 1-Chlorooctane 104 % 65.2-140

Surrogate: 1-Chlorooctadecane 103 % 63.6-154

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Analytical Results For:

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

Received: 11/20/2013
Reported: 11/26/2013
Project Name: TRIGG FED #1 SWD
Project Number: 701729.001.01
Project Location: DAKOTA RESOURCES

Sampling Date: 11/19/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Kathy Perez

Sample ID: S-5 1' (H302832-20)

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	11/23/2013	ND	1.94	96.9	2.00	3.54	
Toluene*	<0.050	0.050	11/23/2013	ND	1.96	97.8	2.00	2.36	
Ethylbenzene*	<0.050	0.050	11/23/2013	ND	1.96	98.1	2.00	1.95	
Total Xylenes*	<0.150	0.150	11/23/2013	ND	5.88	98.0	6.00	0.607	
Total BTEX	<0.300	0.300	11/23/2013	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	1020	16.0	11/25/2013	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	11/22/2013	ND	205	102	200	1.20	
DRO >C10-C28	<10.0	10.0	11/22/2013	ND	205	103	200	2.92	

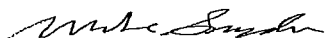
Surrogate: 1-Chlorooctane 95.8 % 65.2-140

Surrogate: 1-Chlorooctadecane 94.9 % 63.6-154

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Mike Snyder, Organic Supervisor

Analytical Results For:

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

Received: 11/20/2013
Reported: 11/26/2013
Project Name: TRIGG FED #1 SWD
Project Number: 701729.001.01
Project Location: DAKOTA RESOURCES

Sampling Date: 11/19/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Kathy Perez

Sample ID: S-5 2' (H302832-21)

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	11/23/2013	ND	1.94	96.9	2.00	3.54	
Toluene*	<0.050	0.050	11/23/2013	ND	1.96	97.8	2.00	2.36	
Ethylbenzene*	<0.050	0.050	11/23/2013	ND	1.96	98.1	2.00	1.95	
Total Xylenes*	<0.150	0.150	11/23/2013	ND	5.88	98.0	6.00	0.607	
Total BTEX	<0.300	0.300	11/23/2013	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	1310	16.0	11/25/2013	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	11/22/2013	ND	205	102	200	1.20	
DRO >C10-C28	<10.0	10.0	11/22/2013	ND	205	103	200	2.92	

Surrogate: 1-Chlorooctane 98.2 % 65.2-140

Surrogate: 1-Chlorooctadecane 94.2 % 63.6-154

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Analytical Results For:

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

Received: 11/20/2013
Reported: 11/26/2013
Project Name: TRIGG FED #1 SWD
Project Number: 701729.001.01
Project Location: DAKOTA RESOURCES

Sampling Date: 11/19/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Kathy Perez

Sample ID: S-5 3' (H302832-22)

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	11/23/2013	ND	1.94	96.9	2.00	3.54				
Toluene*	<0.050	0.050	11/23/2013	ND	1.96	97.8	2.00	2.36				
Ethylbenzene*	<0.050	0.050	11/23/2013	ND	1.96	98.1	2.00	1.95				
Total Xylenes*	<0.150	0.150	11/23/2013	ND	5.88	98.0	6.00	0.607				
Total BTEX	<0.300	0.300	11/23/2013	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	1310	16.0	11/25/2013	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	11/22/2013	ND	205	102	200	1.20		
DRO >C10-C28	<10.0	10.0	11/22/2013	ND	205	103	200	2.92		

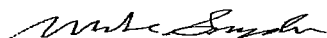
Surrogate: 1-Chlorooctane 94.2 % 65.2-140

Surrogate: 1-Chlorooctadecane 92.6 % 63.6-154

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Mike Snyder, Organic Supervisor

Analytical Results For:

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

Received: 11/20/2013
Reported: 11/26/2013
Project Name: TRIGG FED #1 SWD
Project Number: 701729.001.01
Project Location: DAKOTA RESOURCES

Sampling Date: 11/19/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Kathy Perez

Sample ID: S-5 4' (H302832-23)

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	11/23/2013	ND	1.94	96.9	2.00	3.54	
Toluene*	<0.050	0.050	11/23/2013	ND	1.96	97.8	2.00	2.36	
Ethylbenzene*	<0.050	0.050	11/23/2013	ND	1.96	98.1	2.00	1.95	
Total Xylenes*	<0.150	0.150	11/23/2013	ND	5.88	98.0	6.00	0.607	
Total BTEX	<0.300	0.300	11/23/2013	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	752	16.0	11/25/2013	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	11/22/2013	ND	205	102	200	1.20	
DRO >C10-C28	<10.0	10.0	11/22/2013	ND	205	103	200	2.92	

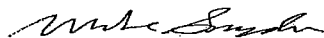
Surrogate: 1-Chlorooctane 109 % 65.2-140

Surrogate: 1-Chlorooctadecane 109 % 63.6-154

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Mike Snyder, Organic Supervisor


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.
- 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

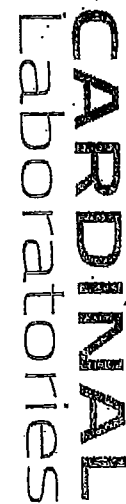
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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

page 1-3

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

Company Name: Talon LPE		P.O. #:		ANALYSIS REQUEST	
Project Manager: David Adams		Company: Talon LPE			
Address: 408 W. Texas Ave		Address:			
City: Arlington		State: NM		Zip: 88210	
Phone #: 575-746-8768		Fax #: 575-746-8905			
Project #: 701729.001.01		Project Owner: Alkata Resources			
Project Name: Trigg Fed #1 SWD		State: 		Zip: 	
Project Location:		Phone #:			
Sampler Name: Sheldon Hitchcock		Fax #:			
FOR LAB USE ONLY		MATRIX		PRESERV	
				SAMPLING	
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER
				SOIL	OIL
				SLUDGE	OTHER:
				ACID/BASE:	ICE / COOL
				OTHER:	
				DATE	TIME
H302832	1 5-1 0'		1	11/19/13	10:48
	2 5-1 1'		1	11/19/13	10:44
	3 5-1 2'		1	11/19/13	10:49
	4 5-1 3'		1	11/19/13	10:52
	5 5-1 4'		1	11/19/13	10:55
	6 5-2 0'		1	11/19/13	11:16
	7 5-2 1'		1	11/19/13	11:18
	8 5-2 2'		1	11/19/13	11:20
	9 5-2 3'		1	11/19/13	11:22
	10 5-2 4'		1	11/19/13	11:26

Chlorides

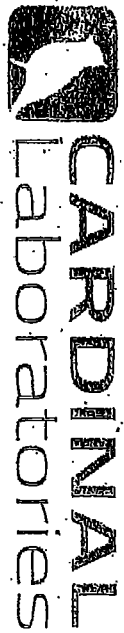
TPH

BTEX

REMARKS:

Phone Result: ☐ Yes ☐ No Addtl Phone #:

Fax Result: ☐ Yes ☐ No Addtl Fax #:



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(505) 393-2326 FAX (505) 393-2476

page 2-3

ANALYSIS REQUEST

Company Name: <u>Talon/LPE</u>		P.O. #:	
Project Manager: <u>David Adkins</u>		Company: <u>Talon/LPE</u>	
Address: <u>408 W. Texas Ave.</u>		Attn:	
City: <u>Alameda</u> State: <u>NM</u> Zip: <u>88210</u>		Address:	
Phone #: <u>575-746-8768</u> Fax #: <u>575-746-8905</u>		City:	
Project #: <u>101729-00101</u> Project Owner: <u>Dakota Resource</u>		State:	
Project Name: <u>Triga Road #1 3020</u>		Zip:	
Project Location:		Phone #:	
Sample Name: <u>Golden Wetback</u>		Fax #:	
FOR LAB USE ONLY		MATRIX	
Lab I.D. Sample I.D.		PRESERV	
H3078339		SAAMPLING	
1 3-3 0'		(G)RAB OR (C)OMP.	
2 3-3 1'		# CONTAINERS	
3 3-3 2'		GROUNDWATER	
4 3-3 3'		WASTEWATER	
5 3-3 4'		SOIL	
6 3-3 5'		OIL	
7 3-3 6'		SLUDGE	
8 3-3 7'		OTHER:	
9 3-3 8'		ACID/BASE:	
10 3-3 9'		ICE / COOL	
11 3-3 10'		OTHER:	
12 3-3 11'		DATE:	
13 3-3 12'		TIME:	
14 3-3 13'		Chlorides	
15 3-3 14'		TPH	
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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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